

FASHION IMAGE GENERATION WITH AUXILIARY CLASSIFIER – GENERATIVE ADVERSARIAL NETWORK MODELS

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1. Abstract

Image generation applications, which have dramatically improved in sophistication in recent years, have been captivating the public's attention and transforming the way that people create artistic content. In this study, we apply one such computer vision model – the Auxiliary Classifier Generative Adversarial Network (AC-GAN) model to the MNIST Fashion dataset to create ten generative AI applications capable of creating images of clothing. As we create these AC-GAN models we explore the impacts of model architecture and regularization design choices on model performance, and we discover one such model that provides promising evidence that AC-GAN models could serve as useful tools for generating images that correspond to a variety of object classes.

2. Introduction

Image generation applications like Stable Diffusion, Midjourney, and DALL-E have skyrocketed in popularity since their recent releases – helping users create media content, develop educational materials, and accelerate marketing campaigns. Inspired by these visionary companies, we focus this study on developing and evaluating the effectiveness of 10 image-based generative AI algorithms that can help accomplish similar content creation tasks for users. Specifically, we leverage the publicly available Modified National Institute of Standards and Technology (MNIST) Fashion Dataset, which contains 60,000 training and 10,000 testing images of fashion-related articles published by Zalando Research (Zalando Research 2017). Each observation consists of 28 x 28 pixel, greyscale images that correspond to one of the 10 fashion-related classes defined in Table 1 below. Utilizing this fashion dataset, we create ten Auxiliary Classifier – Generative Adversarial Network (AC-GAN) models while leveraging varying model architecture and regularization techniques, so that we can discover the impacts of these model design choices on the ability of these models to create realistic fashion images.

Table 1: Image Classes and Corresponding Labels in the MNIST Fashion Dataset

Class Label in MNIST Fashion Dataset	Class Description
0	T-Shirt or Top
1	Trousers
2	Pullover
3	Dress
4	Coat
5	Sandal
6	Shirt
7	Sneaker
8	Bag
9	Ankle Boot

3. Literature Review

Researchers have been exploring the intersection of art and computing for decades, and their efforts have laid the groundwork for this study’s analyses of AC-GAN models. This research began as early as the 1960’s when artist and engineer Harold Cohen first developed AARON – a computer system capable of generating art by instructing a small robot equipped with a marker (known as a “turtle”) about how it should move on a page (Garcia 2016). While AARON was artistically significant in raising important questions about art, AARON was still technologically simple since it required all new styles and imagery to be hard-coded by Cohen and since it could not independently learn (Wikipedia 2023). The sophistication of image-based generative AI technology began rapidly accelerating in 2014 after Dr. Ian Goodfellow invented the Generative Adversarial Network (GAN). This model pitted two neural networks – one image generator and one image discriminator – against one another (Giles 2018). By iteratively training each model, the neural networks would grow increasingly sophisticated until the generator finally would create highly realistic images. Three years later, a group of researchers introduced the first AC-GAN model – which built upon existing GAN models whose discriminators solely discriminated between real and fake images by adding a second classification layer to discriminate between classes of images (Bandyopadhyay 2020). This added discriminator layer enabled the AC-GAN model to learn to generate more sophisticated images across a broad array of classes. As early as 2019, data scientists began applying this newly developed AC-GAN technology to the MNIST Fashion dataset

and achieved admirable results in creating realistic images of clothing (Brownlee 2019). While the successes of all these researchers are quite admirable, in this paper, we hope to build upon their success by constructing many AC-GANs with varied architecture and regularization design choices to optimize the fashion image generation performance of these models as much as possible.

4. Methods

After clearly defining our business objective and conducting the background literature review, we kicked off our experimentation with the MNIST Fashion dataset, and the first phase of this process was exploratory data analysis. Accordingly, we first imported the MNIST fashion dataset and explored its characteristics like the number of observations in the training and testing datasets (which were 60,000 and 10,000, respectively). We also created a histogram to visualize the number of observations that correspond to each of the fashion categories and found that the observation counts were evenly distributed across the 10 classes. Subsequently, we examined the data quality by visualizing a subset of 100 of these greyscale images. Inspection of these images revealed that the data appeared to be of sufficient quality to empower us move forward with creating AC-GAN models using this dataset.

In the next phase of our study, we constructed ten different AC-GAN models. The goals of this phase were to: 1) determine whether AC-GAN models could be used to generate realistic images of fashion-related objects and 2) assess the impact of model design choices on AC-GAN model performance. Collectively, addressing these two objectives would empower the research team to understand how to build an AC-GAN that creates images that are as realistic as possible across image classes. For the first experiment, we developed a baseline AC-GAN model that included a discriminator with four convolutional layers and a generator with two convolutional 2D transpose layers. In the second experiment, we strived to determine whether altering the model architecture by increasing the dimensionality of the latent space from 100 to 200 nodes would improve model performance. For the third experiment we shifted our attention to examining whether increasing the number of epochs leveraged while fitting the model could improve the model's usability. In the fourth experiment, we aimed to build upon the success of previous models by doubling the number of training epochs and by

introducing regularization. Specifically, we aimed to assess the impact on model performance of decreasing the AC-GAN’s learning rate parameters from 0.002 to 0.001. For the fifth experiment, we aimed to see whether the model could benefit from adjusting the hyperparameters to address potential underfitting. Consequently, we decreased the dropout rate in the model’s discriminator from 0.5 to 0.35 to determine the impact of such an adjustment on model performance. After enduring the long training time of over 3.5 hours for the fifth model, we aimed to examine the impact of batch size on model performance for the sixth model. In this sixth experiment, we were interested in whether increasing the batch size from 64 to 128 would have noticeable impacts on model performance or on training time. For the seventh model, we pivoted our attention to assessing the impacts of another important hyperparameter: discriminator convolutional layer stride sizes. Specifically, we evaluated whether decreasing the stride sizes from (2,2) to (1,1) would empower the discriminator to perform with greater accuracy and consequently improve the AC-GAN model. For the eighth model, we focused our attention on the impacts of layer architecture on AC-GAN model performance. Accordingly, we removed one of the four 2-D convolutional layers from the discriminator model, so we could determine whether a simpler layer architecture could improve performance. For the ninth experiment, we evaluated the impacts of adjusting the AC-GAN model’s momentum hyperparameters from 0.5 to 0.9 to see whether returning this parameter to its default levels could improve outcomes. For the tenth and last model, we re-focused our attention on the impact of the number of epochs on model performance. While we were not able to run the first nine models with as many epochs as desired (due to time constraints), we set the number of epochs to be as high as we could for this model to assess the impacts of giving the AC-GAN more time to appropriately train itself using the massive amount of available data.

After constructing each of these 10 AC-GAN models, we evaluated the effectiveness of each model via both quantitative and qualitative assessments. To conduct qualitative assessments, we first generated 100 images from the resulting model and randomly selected 100 images from the MNIST Fashion dataset. Then, we manually conducted pairwise comparisons between 100 pairs of these images – picking which image to be more realistic in each match-up. After completing this process, we

calculated the percentage of sampled fake images that were more realistic than real MNIST Fashion images. We also conducted further qualitative assessments by reviewing the 100 generated images for evidence of mode collapse, which occurs when a generator repeatedly generates the same image and the discriminator fails to learn to identify it as fake. To conduct quantitative assessments, we calculated and reviewed a commonly used performance metric for assessing AC-GAN models – called the inception score – for each model. Additionally, we calculated the time to fit each model, since the time to fit such sophisticated models could be a significant limiting factor for organizations interested in such generative AI applications. Through these experiments and the qualitative / quantitative reviews of their results, we aimed to determine whether AC-GAN models could be optimally tuned to generate realistic images across an array of object classes.

5. Results

The primary takeaway from the results of the first model is that our first AC-GAN model was able to successfully generate images based on what it had learned from the MNIST Fashion dataset. Though many of the sample images generated by this model (as displayed in Appendix B) were very blurry, they still suggested an extremely exciting finding: that these AC-GAN models, if properly tuned, could work for our desired objective. Despite the blurriness of the model’s generated images and the low inception score of 1.127, there were some other positive findings as well. Specifically, this baseline model managed to produce images that looked more realistic than 2% of the sampled MNIST images. Furthermore, since the model was not repeatedly generating the same fake image, there was no evidence of mode collapse in the results. One last very significant finding from this model was that this introductory single-epoch model took over 13 minutes to fit. Given that we would ideally like to have dozens of epochs to fit such a model, the runtime to fit this model served as a bright warning sign that we would need to be cautious about how much time we’d have to fit the models for this study.

The second experiment, which adjusted the model architecture by increasing the dimensionality of the latent space from 100 to 200 nodes, produced quite interesting results. Perhaps the most interesting finding was that the resulting generated images resembled Rorschach inkblot tests perhaps more than any

other model’s generated images did. In that sense, the contrast in these images was quite high. Still, increasing the complexity of the model architecture did not seem to improve the model results. The percentage of generated images deemed more realistic than actual images fell from 2% to 0%, and the inception score remained low at 1.15. The main positive finding was just that this was the fastest model to fit (by far) at 9 minutes and 20 seconds. As a result of these lukewarm findings, future AC-GAN models returned to using a 100-dimensional latent space.

In many ways, increasing the number of epochs from 1 to 3 for the third experiment produced the exact results that one would expect. The time to fit the model (27 minutes) was triple that of previous models, and the quantitative performance metrics rose as well. The inception score reached a new high of 1.191 and the percentage of generated images deemed more realistic than real images rose back up to 2%. The qualitative review of the generated images also revealed that these images were less blurry than the images generated by previous models. Furthermore, the fact that the generated images exhibit no evidence of mode collapse builds our confidence that more epochs should result in greater model performance.

For the fourth model, we not only built on the third model’s success by doubling the number of training epochs to 6, but also examined the impacts of regularization on AC-GAN model performance. Specifically, decreasing the model’s learning rate hyperparameters from 0.002 to 0.001 seemed to generate some positive outcomes. The percentage of generated images deemed relatively realistic increased to 3% and the inception score ticked up to 1.218. Both of these were new high levels, though notably, they did remain low compared to the maximum possible values of 100% and 10. Another significant finding was that, as expected, doubling the number of epochs also doubled the training time to a new high of 1:02:29. In subsequent models, we would leverage these findings about appropriate learning rates and the utility of extra epochs to guide how we set these values, so we could further improve the model results.

For the fifth model, which focused on adjusting the dropout rate from 0.5 to 0.35 so that the model could potentially address the possibility of underfitting, the most startling finding was not the

performance metrics but the training runtime. The time to fit this model increased to a jarring new high of 3:37:41 despite the number of training epochs remaining unchanged at 6. The actual performance evaluation results were quite muted in comparison to that computational finding. The inspection score rose slightly to 1.218, the percentage of generated images deemed relatively realistic fell slightly to 2%, and there was no evidence of mode collapse. Qualitatively, many of the images looked less blurry than images generated by previous models, but often didn't resemble clothes. These findings suggest that adjusting the dropout rate did not have a strong impact on model performance, so we set it back to 0.5 in future models to mitigate the risk of overfitting to our large training dataset.

The sixth model, for which we increased the batch sizes during training from 64 to 128, produced mixed results. Computationally, this model produced much better performance metrics than the fifth model as evidenced by the training time falling by 71% down to 1:04:14. While this decrease in runtimes was incredible, the increased batch size also (as expected) decreased model performance. The percent of model-generated images deemed relatively realistic fell to 0% and the inception score dropped to 1.204. As a consequence of these quantitative performance measures falling, for future models, we returned to leveraging batch sizes of 64 – even if that did mean accepting that we'd experience longer training times.

The results of the seventh model, for which we decreased the discriminator convolutional layer strides from (2,2) to (1,1) produced some extreme results. As expected, the runtime for this model increased – though the runtime skyrocketed to even longer levels than we had anticipated. The training time for this model was a staggering 3:49:51 – the longest training time of any of the 10 models. This increased training time did result in some positive performance impacts. Specifically, the resulting images exhibited no signs of mode collapse and were less blurry than images generated by previous rounds. Furthermore, the inception score reached the highest level of all 10 models – 1.228. Despite these successes, the percentage of generated images deemed relatively real only reached 1%. In this way, the increase in training time caused by decreasing the strides simply did not result in strong enough improvements in performance to justify keeping the strides at (1,1) for the final 3 models.

The key finding from the eighth AC-GAN model experiment was that the removal of a 2D-convolutional layer from the discriminator decreased model performance. Quantitatively, this manifested as a decrease in the inception score down to 1.221 and a decrease in the percent of generated images deemed relatively realistic down to 0%. On the qualitative side, this decrease in performance manifested as the generated images being blurrier than the images generated by previous models. Collectively, these findings suggested that the additional 2-D convolutional layer in the first 7 AC-GAN models had been serving an important role, so we added this layer back in for the last two AC-GAN models constructed.

The results of the ninth AC-GAN model, for which we increased the momentum hyperparameters from 0.5 to 0.9, were very similar to the results of the eighth AC-GAN model. The training time for this model remained at a relatively reasonable level (1:12:58), and the generated images suggested no evidence of mode collapse. Still, the results did leave room for improvement. Specifically, the inception score fell a bit to 1.21 and the percentage of generated images deemed relatively realistic remained at 0%. Despite these not-so-promising quantitative measures, on a purely anecdotal level, we did think that many of model 9's generated images looked better than the images generated by prior models.

For the tenth and final model, for which we refocused our energy on the epochs hyperparameter – increasing the number of epochs to a new high of 15 – the results were relatively strong. As expected, the training time to fit this model did spike quite a bit up to 2:46:59 – the third longest training time of any of our models. However, the other quantitative KPIs delivered improved results. This model resulted in the second highest inception score of 1.224 and the highest percent of generated images deemed relatively realistic of 7%. Anecdotally, this model really seemed to begin to understand the silhouette of certain articles of clothing like dresses, t-shirts, ankle boots, and sneakers. Furthermore, our heighted fears of mode collapse (due to the increased epochs) did not materialize in the generated images, which was a great finding as well. Overall, this was probably the best of the ten models constructed, but certainly suggested that with additional computational power / time, the AC-GAN model could be further improved by training the model with even more epochs.

6. Conclusions

The images generated by each of the AC-GAN models that we trained throughout our research suggest that properly tuned AC-GAN models could serve as useful tools for generating images corresponding to a broad array of classes. Furthermore, we find that model architecture and regularization design choices can have important impacts on the quality of generated images as well. If I were the lead data scientist accountable for advising a tech company whether to launch one of these image generation applications, I would advise them to strongly consider conducting further research to improve model performance to find a model that generates images more realistic than real images more than 7% of the time. Specifically, I would emphasize that areas for future research should include: leveraging more computational power so that researchers can run more epochs when fitting the models, finding ways to detect the Vanishing Gradient Problem (when the discriminator is too much better than the discriminator, so the discriminator fails to improve), and exploring options to leverage pre-trained image generation models like DALL-E or Stable Diffusion. By better addressing these areas for future research, the tech company could certainly construct an AC-GAN model even more successful than the 10 that we constructed here. That said, if the client needed to launch one of these AC-GAN models, I would recommend utilizing the tenth model since it achieved the highest qualitative ratings and the second highest inception scores of all ten models constructed.

References

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Appendix A – Top-Line Summary of Experiment Results

The table below displays the qualitative and quantitative evaluations of each of 10 AC-GAN models developed, as well as the time to train each model and the implementation recommendation for each model.

Trial Number	Model Architecture and Regularization	Percent of Sampled Generated Images That Looked Better than Sampled Real Images	Average Inception Score	Training Time	Recommendation
1	<ul style="list-style-type: none"> • Baseline Model • Discriminator with 4 Convolutional Layers, as well as sigmoid and softmax output layers • Generator with 2 Convolutional 2D-Transpose Layers 	2%	1.127	0:13:23	Do Not Implement
2	<ul style="list-style-type: none"> • Modified Model 1 To Have 200-Dimensional Latent Space 	0%	1.15	0:09:20	Do Not Implement
3	<ul style="list-style-type: none"> • Modified Model 1 To Give It 3 Epochs To Converge 	2%	1.191	0:27:28	Do Not Implement
4	<ul style="list-style-type: none"> • Modified Model 1 To Give It 6 Epochs To Converge • Decreased Learning Rate from 0.002 to 0.001 	3%	1.214	1:02:29	Do Not Implement
5	<ul style="list-style-type: none"> • Modified Model 4 To Decrease Dropout Rate from 0.5 to 0.35 • Set the Learning Rate Back to 0.002 	2%	1.218	3:37:41	Do Not Implement
6	<ul style="list-style-type: none"> • Kept the Learning Rate Back to 0.002 • Set the Dropout Rate Back to 0.5 • Increased the Batch Size from 64 to 128 	0%	1.204	1:04:14	Do Not Implement
7	<ul style="list-style-type: none"> • Kept the Learning Rate at 0.002 and the Dropout Rate at 0.5 • Adjusted the Batch Size Back To 64 • Decreased the Strides in the Discriminator's Convolutional Layers from (2,2) to (1,1) 	1%	1.228	3:49:51	Do Not Implement
8	<ul style="list-style-type: none"> • Kept the Learning Rate at 0.002 and the Dropout Rate at 0.5 and Batch Size at 64 • Changed the Strides in the Discriminator's Convolutional Layers back to (2,2) • Removed Layers From the Discriminator • Increased the number of epochs from 6 to 7 	0%	1.221	1:37:06	Do Not Implement
9	<ul style="list-style-type: none"> • Kept the Learning Rate at 0.002 and the Dropout Rate at 0.5 and Batch Size at 64 and Strides in Discriminator's Convolutional Layers at (2,2) and number of epochs as 7 • Adding the previously removed layers back in • Increasing Momentum from 0.5 to default level of 0.9 	0%	1.21	1:12:58	Do Not Implement
10	<ul style="list-style-type: none"> • Kept the Learning Rate at 0.002 and the Dropout Rate at 0.5 and Batch Size at 64 and Strides in Discriminator's Convolutional Layers at (2,2) • Set Momentum back to 0.5 • Increasing the number of epochs to 15 	7%	1.224	2:46:59	Implement

Appendix B – Sample Generated Images

Below, we display 100 fashion images generated by each of the 10 models after completing the training process for each of the AC-GAN models. These were the images leveraged to conduct the qualitative evaluations of how realistic the model-generated images appeared compared to randomly selected images from the MNIST Fashion dataset. The code leveraged to generate these images is available in Appendix C.

Experiment 1 – Sample Generated Fashion Images



Experiment 2 – Sample Generated Fashion Images



Experiment 3 – Sample Generated Fashion Images



Experiment 4 – Sample Generated Fashion Images



Experiment 5 – Sample Generated Fashion Images



Experiment 6 – Sample Generated Fashion Images



Experiment 7 – Sample Generated Fashion Images



Experiment 8 – Sample Generated Fashion Images



Experiment 9 – Sample Generated Fashion Images



Experiment 10 – Sample Generated Fashion Images



Appendix C - Assignment 4 Supporting Python Code

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1) Introduction and Exploratory Data Analysis

Let's import the MNIST Fashion Dataset and conduct exploratory data analysis.

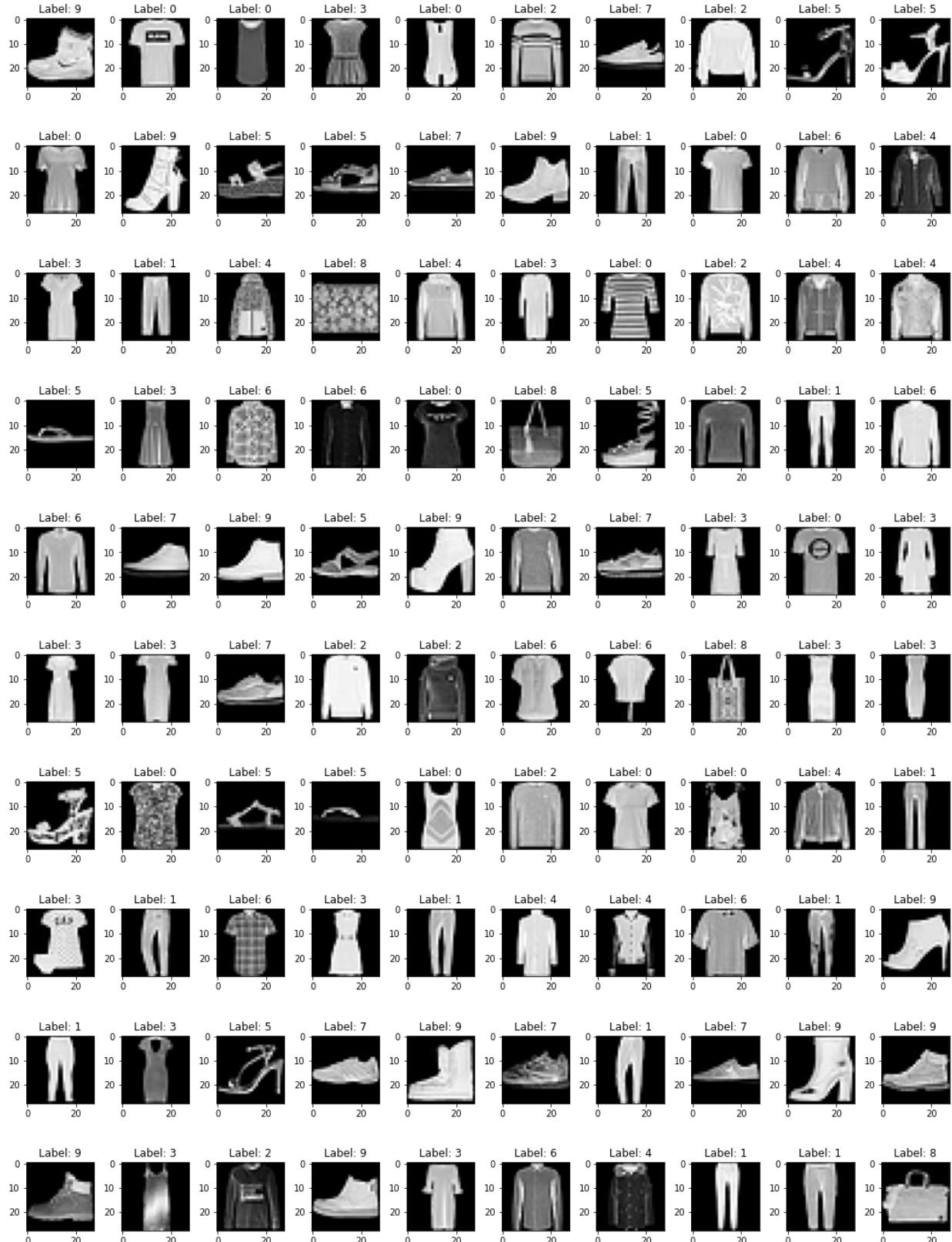
```
In [24]: from tensorflow.keras.datasets import fashion_mnist  
  
(X_train_eda, Y_train_eda), (X_test_eda, Y_test_eda) = fashion_mnist.load_data()  
print('Fashion MNIST Dataset Shape: ')  
print('X_train: ' + str(X_train_eda.shape))  
print('Y_train: ' + str(Y_train_eda.shape))  
print('X_test: ' + str(X_test_eda.shape))  
print('Y_test: ' + str(Y_test_eda.shape))  
  
Fashion MNIST Dataset Shape:  
X_train: (60000, 28, 28)  
Y_train: (60000,)  
X_test: (10000, 28, 28)  
Y_test: (10000,)
```

```
In [25]: import matplotlib.pyplot as plt  
%matplotlib inline
```

Let's visualize sample images from our dataset

```
In [28]: # specify the number of rows and columns you want to see  
num_row = 10  
num_col = 10  
  
# get a segment of the dataset  
num = num_row*num_col  
images_eda = X_train_eda[:num]  
labels_eda = Y_train_eda[:num]  
  
# plot images  
fig, axes = plt.subplots(num_row, num_col, figsize=(1.5*num_col, 2*num_row))  
for i in range(num_row*num_col):  
    ax = axes[i//num_col, i%num_col]  
    ax.imshow(images_eda[i], cmap='gray')  
    ax.set_title('Label: {}'.format(labels_eda[i]))  
plt.tight_layout()  
plt.show()
```

Appendix - Supporting Python Code



Let's create a graph to display the number of observations that correspond to each of our 10 categories (as outlined below).

Label In MNIST Fashion Dataset	Description
0	T-Shirt Or Top
1	Trousers

Label In MNIST Fashion Dataset Description

2	Pullover
3	Dress
4	Coat
5	Sandal
6	Shirt
7	Sneaker
8	Bag
9	Ankle Boot

```
In [33]: print(type(Y_train_eda))

<class 'numpy.ndarray'>
```

```
In [36]: unique_eda, counts_eda = np.unique(Y_train_eda, return_counts=True)

dict_of_counts = dict(zip(unique_eda, counts_eda))
```

```
In [40]: import pandas as pd

df_counts = pd.DataFrame(list(dict_of_counts.items()), columns=['MNIST Dataset Label',
df_counts
```

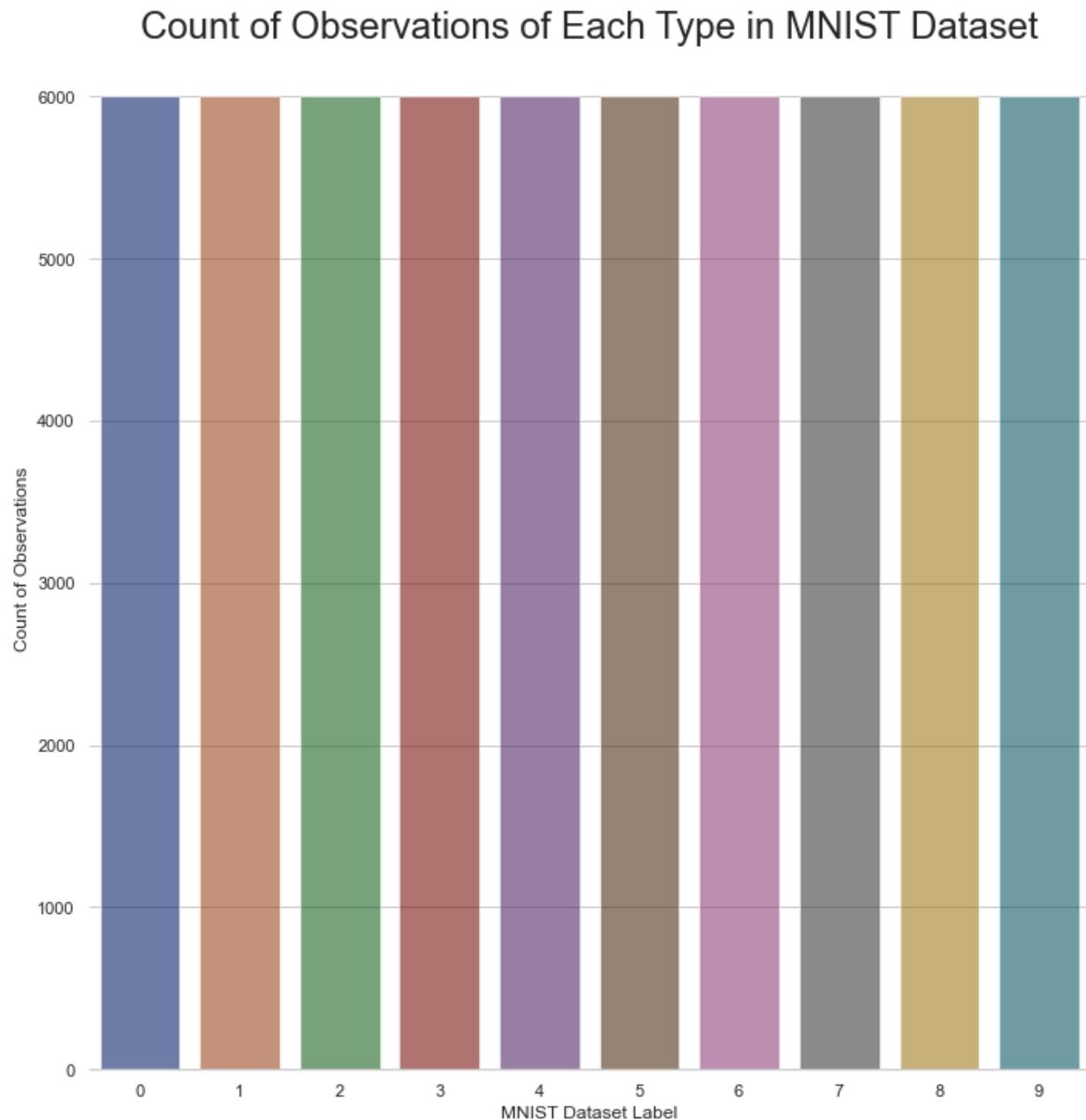
	MNIST Dataset Label	Count of Observations
0	0	6000
1	1	6000
2	2	6000
3	3	6000
4	4	6000
5	5	6000
6	6	6000
7	7	6000
8	8	6000
9	9	6000

```
In [48]: import seaborn as sns
sns.set_theme(style="whitegrid")

# Draw a nested barplot by species and sex
g = sns.catplot(
    data=df_counts, kind="bar",
    x="MNIST Dataset Label", y="Count of Observations",
    palette="dark", alpha=.6, height=10
)
```

```
g.despine(left=True)
sns.set(font_scale=2.0)
g.set_axis_labels("MNIST Dataset Label", "Count of Observations")
g.set(title='Count of Observations of Each Type in MNIST Dataset')
```

Out[48]: <seaborn.axisgrid.FacetGrid at 0x2172b183f40>



2) Model 1 - First AC-GAN Model

2.1) Create the Model

In [2]: !pip install pydot

```
Collecting pydot
```

```
  Downloading pydot-1.4.2-py2.py3-none-any.whl (21 kB)
```

```
Requirement already satisfied: pyparsing>=2.1.4 in c:\users\steve\anaconda3\lib\site-packages (from pydot) (3.0.4)
```

```
Installing collected packages: pydot
```

```
Successfully installed pydot-1.4.2
```

```
WARNING: Ignoring invalid distribution -rotobuf (c:\users\steve\anaconda3\lib\site-packages)
```

```
WARNING: Ignoring invalid distribution -rotobuf (c:\users\steve\anaconda3\lib\site-packages)
```

```
[notice] A new release of pip is available: 23.2.1 -> 23.3.1
```

```
[notice] To update, run: python.exe -m pip install --upgrade pip
```

In [4]: `!pip install graphviz`

```
Requirement already satisfied: graphviz in c:\users\steve\anaconda3\lib\site-packages (0.20.1)
```

```
WARNING: Ignoring invalid distribution -rotobuf (c:\users\steve\anaconda3\lib\site-packages)
```

```
WARNING: Ignoring invalid distribution -rotobuf (c:\users\steve\anaconda3\lib\site-packages)
```

```
[notice] A new release of pip is available: 23.2.1 -> 23.3.1
```

```
[notice] To update, run: python.exe -m pip install --upgrade pip
```

In [9]:

```
# example of defining the discriminator model
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Conv2D
from keras.layers import LeakyReLU
from keras.layers import Dropout
from keras.layers import Flatten
from keras.layers import BatchNormalization
from keras.initializers import RandomNormal
from keras.optimizers import Adam
from keras.utils.vis_utils import plot_model
import numpy as np

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
```

```
# normal
fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
fe = BatchNormalization()(fe)
fe = LeakyReLU(alpha=0.2)(fe)
fe = Dropout(0.5)(fe)
# flatten feature maps
fe = Flatten()(fe)
# real/fake output
out1 = Dense(1, activation='sigmoid')(fe)
# class label output
out2 = Dense(n_classes, activation='softmax')(fe)
# define model
model = Model(in_image, [out1, out2])
# compile model
opt = Adam(lr=0.0002, beta_1=0.5)
model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt
return model

# define the discriminator model
model = define_discriminator()
# summarize the model
model.summary()
# plot the model
plot_model(model, to_file='discriminator_plot.png', show_shapes=True, show_layer_names
```

Model: "model_7"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_9 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d_16 (Conv2D)	(None, 14, 14, 32)	320	['input_9[0][0]']
leaky_re_lu_16 (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d_16[0][0]']
dropout_16 (Dropout)	(None, 14, 14, 32)	0	['leaky_re_lu_16[0][0]']
conv2d_17 (Conv2D)	(None, 14, 14, 64)	18496	['dropout_16[0][0]']
batch_normalization_14 (BatchNormalization)	(None, 14, 14, 64)	256	['conv2d_17[0][0]']
leaky_re_lu_17 (LeakyReLU)	(None, 14, 14, 64)	0	['batch_normalization_14[0][0]']
dropout_17 (Dropout)	(None, 14, 14, 64)	0	['leaky_re_lu_17[0][0]']
conv2d_18 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_17[0][0]']
batch_normalization_15 (BatchNormalization)	(None, 7, 7, 128)	512	['conv2d_18[0][0]']
leaky_re_lu_18 (LeakyReLU)	(None, 7, 7, 128)	0	['batch_normalization_15[0][0]']
dropout_18 (Dropout)	(None, 7, 7, 128)	0	['leaky_re_lu_18[0][0]']
conv2d_19 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_18[0][0]']
batch_normalization_16 (BatchNormalization)	(None, 7, 7, 256)	1024	['conv2d_19[0][0]']
leaky_re_lu_19 (LeakyReLU)	(None, 7, 7, 256)	0	['batch_normalization_16[0][0]']
dropout_19 (Dropout)	(None, 7, 7, 256)	0	['leaky_re_lu_19[0][0]']
flatten_4 (Flatten)	(None, 12544)	0	['dropout_19[0][0]']
dense_12 (Dense)	(None, 1)	12545	['flatten_4[0][0]']
dense_13 (Dense)	(None, 10)	125450	['flatten_4[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 526,731			
Non-trainable params: 896			

You must install pydot (`pip install pydot`) and install graphviz (see instructions at <https://graphviz.gitlab.io/download/>) for plot_model to work.

In [10]:

```
# example of defining the generator model
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Conv2DTranspose
from keras.layers import Embedding
from keras.layers import Concatenate
from keras.layers import Activation
from keras.layers import BatchNormalization
from keras.initializers import RandomNormal
from keras.utils.vis_utils import plot_model

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)
    # merge image gen and Label input
    merge = Concatenate()([gen, li])
    # upsample to 14x14
    gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    gen = BatchNormalization()(gen)
    gen = Activation('relu')(gen)
    # upsample to 28x28
    gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    out_layer = Activation('tanh')(gen)
    # define model
    model = Model([in_lat, in_label], out_layer)
    return model

# define the size of the Latent space
latent_dim = 100
# define the generator model
model = define_generator(latent_dim)
# summarize the model
model.summary()
# plot the model
plot_model(model, to_file='generator_plot.png', show_shapes=True, show_layer_names=True)
```

Model: "model_8"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_11 (InputLayer)	[(None, 100)]	0	[]
input_10 (InputLayer)	[(None, 1)]	0	[]
dense_15 (Dense)	(None, 18816)	1900416	['input_11[0][0]']
embedding_2 (Embedding)	(None, 1, 50)	500	['input_10[0][0]']
activation_6 (Activation)	(None, 18816)	0	['dense_15[0][0]']
dense_14 (Dense) [0]'	(None, 1, 49)	2499	['embedding_2[0] [0]']
reshape_5 (Reshape) [0]'	(None, 7, 7, 384)	0	['activation_6[0] [0]']
reshape_4 (Reshape)	(None, 7, 7, 1)	0	['dense_14[0][0]']
concatenate_2 (Concatenate)	(None, 7, 7, 385)	0	['reshape_5[0][0]', 'reshape_4[0][0]']
conv2d_transpose_4 (Conv2DTran [0]' spose)	(None, 14, 14, 192)	1848192	['concatenate_2[0] [0]']
batch_normalization_17 (BatchN [0][0]' ormalization)	(None, 14, 14, 192)	768	['conv2d_transpose_4 [0][0]']
activation_7 (Activation) n_17[0][0]']	(None, 14, 14, 192)	0	['batch_normalizatio n_17[0][0]']
conv2d_transpose_5 (Conv2DTran [0]' spose)	(None, 28, 28, 1)	4801	['activation_7[0] [0]']
activation_8 (Activation) [0][0]']	(None, 28, 28, 1)	0	['conv2d_transpose_5 [0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

You must install pydot (`pip install pydot`) and install graphviz (see instructions at <https://graphviz.gitlab.io/download/>) for plot_model to work.

```
In [11]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
```

```
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt
    return model

# define the standalone generator model
```

```

def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # Label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # Linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)
    # merge image gen and Label input
    merge = Concatenate()([gen, li])
    # upsample to 14x14
    gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    gen = BatchNormalization()(gen)
    gen = Activation('relu')(gen)
    # upsample to 28x28
    gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    out_layer = Activation('tanh')(gen)
    # define model
    model = Model([in_lat, in_label], out_layer)
    return model

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

```

```

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = randint(0, n_classes, n_samples)
    return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=1, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations

```

```

n_steps = bat_per_epo * n_epochs
# calculate the size of half a batch of samples
half_batch = int(n_batch / 2)
# manually enumerate epochs
for i in range(n_steps):
    # get randomly selected 'real' samples
    [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
    # update discriminator model weights
    _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
    # generate 'fake' examples
    [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
    # update discriminator model weights
    _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
    # prepare points in latent space as input for the generator
    [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
    # create inverted labels for the fake samples
    y_gan = ones((n_batch, 1))
    # update the generator via the discriminator's error
    _,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
    # summarize loss on this batch
    print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f, d_f2, g_1,g_2))
    # evaluate the model performance every 'epoch'
    if (i+1) % (bat_per_epo * 1) == 0:
        summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# Load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")

```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 247ms/step  
>1, dr[0.497,3.104], df[1.586,2.983], g[0.505,3.093]  
1/1 [=====] - 0s 138ms/step  
>2, dr[0.418,2.847], df[1.411,3.368], g[0.856,3.244]  
1/1 [=====] - 0s 137ms/step  
>3, dr[0.746,2.975], df[1.035,3.395], g[0.867,3.275]  
1/1 [=====] - 0s 105ms/step  
>4, dr[0.615,3.115], df[0.806,2.889], g[0.850,3.403]  
1/1 [=====] - 0s 99ms/step  
>5, dr[0.825,3.034], df[0.971,2.724], g[1.119,3.434]  
1/1 [=====] - 0s 97ms/step  
>6, dr[0.614,2.641], df[0.868,3.382], g[1.119,3.095]  
1/1 [=====] - 0s 129ms/step  
>7, dr[0.709,2.766], df[0.661,3.220], g[1.075,2.810]  
1/1 [=====] - 0s 124ms/step  
>8, dr[0.498,2.774], df[0.640,3.229], g[1.388,3.031]  
1/1 [=====] - 0s 101ms/step  
>9, dr[0.439,2.467], df[0.533,3.058], g[1.107,3.179]  
1/1 [=====] - 0s 122ms/step  
>10, dr[0.582,2.522], df[0.573,3.126], g[1.386,3.073]  
1/1 [=====] - 0s 102ms/step  
>11, dr[0.387,2.695], df[0.599,2.843], g[1.346,2.549]  
1/1 [=====] - 0s 129ms/step  
>12, dr[0.496,1.954], df[0.492,2.786], g[1.466,3.067]  
1/1 [=====] - 0s 123ms/step  
>13, dr[0.553,2.632], df[0.385,3.247], g[1.246,2.731]  
1/1 [=====] - 0s 124ms/step  
>14, dr[0.403,2.465], df[0.662,2.609], g[1.209,2.857]  
1/1 [=====] - 0s 85ms/step  
>15, dr[0.310,2.491], df[0.628,3.103], g[0.970,3.030]  
1/1 [=====] - 0s 102ms/step  
>16, dr[0.625,2.264], df[0.559,2.922], g[0.894,2.714]  
1/1 [=====] - 0s 122ms/step  
>17, dr[0.448,2.670], df[0.498,2.784], g[0.969,2.984]  
1/1 [=====] - 0s 161ms/step  
>18, dr[0.343,1.997], df[0.350,3.028], g[0.686,2.822]  
1/1 [=====] - 0s 197ms/step  
>19, dr[0.438,1.923], df[0.454,3.059], g[0.534,3.150]  
1/1 [=====] - 0s 121ms/step  
>20, dr[0.446,2.456], df[0.338,3.267], g[0.438,3.084]  
1/1 [=====] - 0s 181ms/step  
>21, dr[0.375,2.344], df[0.327,3.121], g[0.393,2.991]  
1/1 [=====] - 0s 125ms/step  
>22, dr[0.232,1.809], df[0.273,3.377], g[0.320,3.159]  
1/1 [=====] - 0s 88ms/step  
>23, dr[0.350,1.962], df[0.460,3.316], g[0.347,3.114]  
1/1 [=====] - 0s 96ms/step  
>24, dr[0.376,2.395], df[0.272,2.774], g[0.328,2.872]  
1/1 [=====] - 0s 100ms/step  
>25, dr[0.288,2.023], df[0.239,3.126], g[0.242,3.305]  
1/1 [=====] - 0s 128ms/step  
>26, dr[0.230,2.065], df[0.242,3.580], g[0.301,3.175]  
1/1 [=====] - 0s 85ms/step  
>27, dr[0.217,1.507], df[0.156,3.374], g[0.160,3.201]  
1/1 [=====] - 0s 88ms/step  
>28, dr[0.224,1.940], df[0.161,2.934], g[0.201,3.025]  
1/1 [=====] - 0s 105ms/step  
>29, dr[0.239,1.416], df[0.154,2.895], g[0.137,3.053]  
1/1 [=====] - 0s 90ms/step
```

```
>30, dr[0.382,2.082], df[0.167,3.129], g[0.133,3.241]
1/1 [=====] - 0s 104ms/step
>31, dr[0.167,1.349], df[0.136,3.121], g[0.117,3.168]
1/1 [=====] - 0s 104ms/step
>32, dr[0.070,1.626], df[0.205,3.126], g[0.145,3.370]
1/1 [=====] - 0s 92ms/step
>33, dr[0.118,1.870], df[0.097,3.006], g[0.128,3.362]
1/1 [=====] - 0s 98ms/step
>34, dr[0.244,1.443], df[0.264,3.425], g[0.145,3.248]
1/1 [=====] - 0s 104ms/step
>35, dr[0.143,1.662], df[0.157,3.100], g[0.125,3.007]
1/1 [=====] - 0s 101ms/step
>36, dr[0.105,1.790], df[0.146,3.105], g[0.098,3.135]
1/1 [=====] - 0s 118ms/step
>37, dr[0.184,1.497], df[0.134,2.955], g[0.092,3.351]
1/1 [=====] - 0s 118ms/step
>38, dr[0.216,1.854], df[0.130,3.272], g[0.156,3.219]
1/1 [=====] - 0s 103ms/step
>39, dr[0.198,1.744], df[0.184,3.090], g[0.154,2.974]
1/1 [=====] - 0s 100ms/step
>40, dr[0.171,1.368], df[0.129,2.939], g[0.104,3.113]
1/1 [=====] - 0s 97ms/step
>41, dr[0.118,1.317], df[0.144,3.207], g[0.123,2.736]
1/1 [=====] - 0s 161ms/step
>42, dr[0.145,1.725], df[0.125,3.257], g[0.100,3.109]
1/1 [=====] - 0s 118ms/step
>43, dr[0.152,1.865], df[0.064,3.020], g[0.080,2.992]
1/1 [=====] - 0s 92ms/step
>44, dr[0.153,1.587], df[0.153,3.300], g[0.078,3.370]
1/1 [=====] - 0s 100ms/step
>45, dr[0.070,1.683], df[0.077,2.736], g[0.121,3.312]
1/1 [=====] - 0s 96ms/step
>46, dr[0.064,1.416], df[0.060,2.910], g[0.083,3.146]
1/1 [=====] - 0s 107ms/step
>47, dr[0.107,2.107], df[0.072,3.426], g[0.066,3.500]
1/1 [=====] - 0s 103ms/step
>48, dr[0.128,1.651], df[0.052,2.976], g[0.073,3.002]
1/1 [=====] - 0s 102ms/step
>49, dr[0.133,1.183], df[0.058,2.975], g[0.040,3.194]
1/1 [=====] - 0s 106ms/step
>50, dr[0.144,1.519], df[0.071,2.798], g[0.047,3.238]
1/1 [=====] - 0s 102ms/step
>51, dr[0.131,1.749], df[0.072,3.661], g[0.054,3.122]
1/1 [=====] - 0s 90ms/step
>52, dr[0.132,1.395], df[0.112,3.022], g[0.059,3.228]
1/1 [=====] - 0s 97ms/step
>53, dr[0.022,2.076], df[0.064,2.828], g[0.118,3.084]
1/1 [=====] - 0s 102ms/step
>54, dr[0.131,1.483], df[0.106,2.774], g[0.134,3.089]
1/1 [=====] - 0s 104ms/step
>55, dr[0.173,1.507], df[0.150,3.181], g[0.111,2.722]
1/1 [=====] - 0s 109ms/step
>56, dr[0.128,1.471], df[0.101,3.113], g[0.051,3.150]
1/1 [=====] - 0s 101ms/step
>57, dr[0.033,1.432], df[0.083,3.586], g[0.076,3.392]
1/1 [=====] - 0s 136ms/step
>58, dr[0.052,1.177], df[0.120,3.097], g[0.108,3.121]
1/1 [=====] - 0s 132ms/step
>59, dr[0.077,1.264], df[0.066,2.783], g[0.061,3.102]
1/1 [=====] - 0s 98ms/step
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>60, dr[0.108,1.340], df[0.099,3.377], g[0.075,3.133]
1/1 [=====] - 0s 127ms/step
>61, dr[0.062,1.320], df[0.066,2.976], g[0.085,3.231]
1/1 [=====] - 0s 112ms/step
>62, dr[0.090,1.331], df[0.103,3.065], g[0.083,3.249]
1/1 [=====] - 0s 95ms/step
>63, dr[0.043,1.406], df[0.074,3.413], g[0.078,3.117]
1/1 [=====] - 0s 122ms/step
>64, dr[0.089,1.124], df[0.058,3.310], g[0.092,3.191]
1/1 [=====] - 0s 134ms/step
>65, dr[0.040,1.007], df[0.073,3.155], g[0.129,3.089]
1/1 [=====] - 0s 118ms/step
>66, dr[0.194,1.272], df[0.105,3.229], g[0.092,2.997]
1/1 [=====] - 0s 103ms/step
>67, dr[0.074,1.338], df[0.142,3.225], g[0.056,2.834]
1/1 [=====] - 0s 98ms/step
>68, dr[0.274,1.394], df[0.176,3.188], g[0.057,2.981]
1/1 [=====] - 0s 120ms/step
>69, dr[0.088,1.338], df[0.153,3.006], g[0.061,3.118]
1/1 [=====] - 0s 102ms/step
>70, dr[0.072,1.539], df[0.083,3.148], g[0.066,2.896]
1/1 [=====] - 0s 100ms/step
>71, dr[0.113,0.954], df[0.084,2.926], g[0.108,3.258]
1/1 [=====] - 0s 116ms/step
>72, dr[0.223,1.471], df[0.115,3.532], g[0.109,2.839]
1/1 [=====] - 0s 103ms/step
>73, dr[0.050,0.954], df[0.301,3.210], g[0.071,2.976]
1/1 [=====] - 0s 102ms/step
>74, dr[0.072,1.654], df[0.149,2.755], g[0.134,3.409]
1/1 [=====] - 0s 104ms/step
>75, dr[0.235,1.038], df[0.099,3.201], g[0.108,2.986]
1/1 [=====] - 0s 94ms/step
>76, dr[0.128,1.092], df[0.112,3.072], g[0.105,2.967]
1/1 [=====] - 0s 105ms/step
>77, dr[0.112,1.481], df[0.259,2.740], g[0.138,3.242]
1/1 [=====] - 0s 115ms/step
>78, dr[0.131,1.329], df[0.089,3.226], g[0.131,2.878]
1/1 [=====] - 0s 123ms/step
>79, dr[0.102,1.370], df[0.097,2.905], g[0.111,3.153]
1/1 [=====] - 0s 137ms/step
>80, dr[0.240,1.448], df[0.027,3.276], g[0.084,3.153]
1/1 [=====] - 0s 115ms/step
>81, dr[0.148,1.432], df[0.105,3.146], g[0.064,3.073]
1/1 [=====] - 0s 95ms/step
>82, dr[0.139,0.915], df[0.152,2.922], g[0.045,2.580]
1/1 [=====] - 0s 120ms/step
>83, dr[0.049,1.152], df[0.197,2.776], g[0.140,2.825]
1/1 [=====] - 0s 92ms/step
>84, dr[0.319,1.520], df[0.114,2.715], g[0.062,2.869]
1/1 [=====] - 0s 93ms/step
>85, dr[0.054,1.355], df[0.094,3.192], g[0.095,3.191]
1/1 [=====] - 0s 95ms/step
>86, dr[0.124,1.076], df[0.088,3.624], g[0.067,3.135]
1/1 [=====] - 0s 98ms/step
>87, dr[0.260,1.162], df[0.148,3.329], g[0.081,3.017]
1/1 [=====] - 0s 87ms/step
>88, dr[0.090,1.099], df[0.195,3.462], g[0.083,2.897]
1/1 [=====] - 0s 85ms/step
>89, dr[0.153,1.519], df[0.173,3.053], g[0.091,2.736]
1/1 [=====] - 0s 100ms/step
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>90, dr[0.251,0.677], df[0.102,3.114], g[0.118,2.786]
1/1 [=====] - 0s 89ms/step
>91, dr[0.150,1.330], df[0.144,3.131], g[0.139,3.055]
1/1 [=====] - 0s 88ms/step
>92, dr[0.122,1.373], df[0.299,2.586], g[0.163,2.892]
1/1 [=====] - 0s 89ms/step
>93, dr[0.098,1.011], df[0.084,3.310], g[0.168,3.109]
1/1 [=====] - 0s 86ms/step
>94, dr[0.191,1.316], df[0.069,2.854], g[0.110,2.871]
1/1 [=====] - 0s 89ms/step
>95, dr[0.206,0.858], df[0.209,3.091], g[0.088,2.976]
1/1 [=====] - 0s 89ms/step
>96, dr[0.078,1.358], df[0.105,3.161], g[0.120,3.158]
1/1 [=====] - 0s 93ms/step
>97, dr[0.100,1.118], df[0.068,3.041], g[0.144,2.833]
1/1 [=====] - 0s 94ms/step
>98, dr[0.145,1.272], df[0.110,2.873], g[0.096,3.171]
1/1 [=====] - 0s 86ms/step
>99, dr[0.202,1.018], df[0.162,2.981], g[0.094,2.992]
1/1 [=====] - 0s 99ms/step
>100, dr[0.050,1.367], df[0.172,3.041], g[0.156,2.399]
1/1 [=====] - 0s 95ms/step
>101, dr[0.153,0.942], df[0.139,2.466], g[0.178,3.034]
1/1 [=====] - 0s 101ms/step
>102, dr[0.058,1.030], df[0.058,2.828], g[0.145,2.454]
1/1 [=====] - 0s 103ms/step
>103, dr[0.112,1.333], df[0.070,2.975], g[0.110,2.548]
1/1 [=====] - 0s 127ms/step
>104, dr[0.375,1.213], df[0.235,3.063], g[0.056,2.598]
1/1 [=====] - 0s 109ms/step
>105, dr[0.469,1.226], df[0.167,2.630], g[0.073,3.063]
1/1 [=====] - 0s 103ms/step
>106, dr[0.064,1.076], df[0.189,3.346], g[0.073,2.776]
1/1 [=====] - 0s 108ms/step
>107, dr[0.210,1.330], df[0.121,2.779], g[0.160,2.626]
1/1 [=====] - 0s 95ms/step
>108, dr[0.154,1.095], df[0.138,2.713], g[0.120,2.576]
1/1 [=====] - 0s 116ms/step
>109, dr[0.161,1.204], df[0.355,2.386], g[0.150,2.540]
1/1 [=====] - 0s 104ms/step
>110, dr[0.320,0.784], df[0.150,2.327], g[0.136,2.524]
1/1 [=====] - 0s 108ms/step
>111, dr[0.209,0.961], df[0.229,2.386], g[0.142,2.196]
1/1 [=====] - 0s 88ms/step
>112, dr[0.220,1.396], df[0.193,2.562], g[0.191,2.032]
1/1 [=====] - 0s 97ms/step
>113, dr[0.142,1.078], df[0.144,2.133], g[0.166,2.447]
1/1 [=====] - 0s 95ms/step
>114, dr[0.279,1.247], df[0.147,2.438], g[0.065,2.216]
1/1 [=====] - 0s 90ms/step
>115, dr[0.136,1.091], df[0.058,3.021], g[0.069,2.071]
1/1 [=====] - 0s 100ms/step
>116, dr[0.147,1.216], df[0.355,2.322], g[0.086,2.142]
1/1 [=====] - 0s 90ms/step
>117, dr[0.157,0.856], df[0.238,1.580], g[0.234,2.079]
1/1 [=====] - 0s 91ms/step
>118, dr[0.218,0.920], df[0.248,2.039], g[0.303,1.741]
1/1 [=====] - 0s 91ms/step
>119, dr[0.428,0.785], df[0.576,1.889], g[0.424,1.855]
1/1 [=====] - 0s 132ms/step
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>120, dr[0.320,1.235], df[0.270,1.765], g[0.395,1.788]
1/1 [=====] - 0s 97ms/step
>121, dr[0.570,0.837], df[0.287,1.837], g[0.381,1.879]
1/1 [=====] - 0s 91ms/step
>122, dr[0.289,0.809], df[0.238,1.601], g[0.159,1.645]
1/1 [=====] - 0s 91ms/step
>123, dr[0.329,0.862], df[0.399,1.588], g[0.203,1.819]
1/1 [=====] - 0s 99ms/step
>124, dr[0.407,1.402], df[0.131,1.447], g[0.217,1.120]
1/1 [=====] - 0s 101ms/step
>125, dr[0.246,1.251], df[0.483,1.444], g[0.191,1.229]
1/1 [=====] - 0s 88ms/step
>126, dr[0.329,0.602], df[0.184,1.670], g[0.198,1.283]
1/1 [=====] - 0s 94ms/step
>127, dr[0.313,0.959], df[0.350,1.741], g[0.326,1.102]
1/1 [=====] - 0s 92ms/step
>128, dr[0.255,1.406], df[0.245,1.171], g[0.230,1.279]
1/1 [=====] - 0s 87ms/step
>129, dr[0.352,1.131], df[0.213,1.686], g[0.164,1.288]
1/1 [=====] - 0s 100ms/step
>130, dr[0.423,0.829], df[0.148,1.336], g[0.094,1.241]
1/1 [=====] - 0s 105ms/step
>131, dr[0.087,0.810], df[0.147,1.023], g[0.064,1.116]
1/1 [=====] - 0s 110ms/step
>132, dr[0.287,1.267], df[0.147,1.424], g[0.062,1.050]
1/1 [=====] - 0s 89ms/step
>133, dr[0.139,1.770], df[0.205,1.472], g[0.071,1.102]
1/1 [=====] - 0s 112ms/step
>134, dr[0.120,0.986], df[0.160,1.531], g[0.183,1.321]
1/1 [=====] - 0s 109ms/step
>135, dr[0.160,1.066], df[0.297,1.055], g[0.165,1.142]
1/1 [=====] - 0s 137ms/step
>136, dr[0.269,1.161], df[0.058,1.057], g[0.192,1.132]
1/1 [=====] - 0s 90ms/step
>137, dr[0.304,0.657], df[0.276,0.842], g[0.278,1.032]
1/1 [=====] - 0s 103ms/step
>138, dr[0.154,0.769], df[0.080,1.368], g[0.156,1.049]
1/1 [=====] - 0s 145ms/step
>139, dr[0.436,0.946], df[0.263,0.736], g[0.111,0.898]
1/1 [=====] - 0s 136ms/step
>140, dr[0.172,0.707], df[0.116,1.017], g[0.155,0.720]
1/1 [=====] - 0s 84ms/step
>141, dr[0.118,1.234], df[0.152,0.673], g[0.069,0.881]
1/1 [=====] - 0s 102ms/step
>142, dr[0.101,1.141], df[0.095,0.847], g[0.101,0.872]
1/1 [=====] - 0s 96ms/step
>143, dr[0.203,0.737], df[0.439,0.581], g[0.063,0.814]
1/1 [=====] - 0s 95ms/step
>144, dr[0.148,1.542], df[0.021,1.004], g[0.135,0.921]
1/1 [=====] - 0s 96ms/step
>145, dr[0.311,1.046], df[0.107,1.084], g[0.033,0.868]
1/1 [=====] - 0s 110ms/step
>146, dr[0.150,0.598], df[0.217,1.062], g[0.047,0.671]
1/1 [=====] - 0s 88ms/step
>147, dr[0.171,1.061], df[0.233,0.754], g[0.115,0.683]
1/1 [=====] - 0s 86ms/step
>148, dr[0.255,1.393], df[0.051,0.830], g[0.036,0.644]
1/1 [=====] - 0s 96ms/step
>149, dr[0.103,1.456], df[0.083,0.882], g[0.031,0.693]
1/1 [=====] - 0s 126ms/step
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>150, dr[0.108,1.001], df[0.064,0.814], g[0.036,0.757]
1/1 [=====] - 0s 100ms/step
>151, dr[0.087,0.827], df[0.107,0.777], g[0.040,0.609]
1/1 [=====] - 0s 125ms/step
>152, dr[0.084,1.365], df[0.206,0.761], g[0.058,0.819]
1/1 [=====] - 0s 92ms/step
>153, dr[0.168,0.949], df[0.076,1.136], g[0.037,0.580]
1/1 [=====] - 0s 127ms/step
>154, dr[0.246,1.208], df[0.588,0.603], g[0.131,0.639]
1/1 [=====] - 0s 145ms/step
>155, dr[0.244,0.624], df[0.076,0.729], g[0.140,0.720]
1/1 [=====] - 0s 99ms/step
>156, dr[0.084,1.062], df[0.090,0.780], g[0.043,0.707]
1/1 [=====] - 0s 92ms/step
>157, dr[0.221,1.016], df[0.280,0.780], g[0.049,0.493]
1/1 [=====] - 0s 124ms/step
>158, dr[0.144,0.930], df[0.067,0.803], g[0.055,0.624]
1/1 [=====] - 0s 105ms/step
>159, dr[0.099,1.485], df[0.158,0.535], g[0.098,0.548]
1/1 [=====] - 0s 93ms/step
>160, dr[0.118,1.679], df[0.144,0.704], g[0.082,0.433]
1/1 [=====] - 0s 119ms/step
>161, dr[0.112,1.040], df[0.105,0.612], g[0.116,0.314]
1/1 [=====] - 0s 98ms/step
>162, dr[0.157,0.901], df[0.043,0.803], g[0.053,0.522]
1/1 [=====] - 0s 93ms/step
>163, dr[0.215,1.233], df[0.193,0.490], g[0.111,0.445]
1/1 [=====] - 0s 100ms/step
>164, dr[0.272,1.104], df[0.252,0.684], g[0.135,0.768]
1/1 [=====] - 0s 97ms/step
>165, dr[0.282,0.954], df[0.035,0.521], g[0.046,0.515]
1/1 [=====] - 0s 118ms/step
>166, dr[0.118,1.221], df[0.206,0.662], g[0.057,0.507]
1/1 [=====] - 0s 88ms/step
>167, dr[0.201,0.906], df[0.075,0.707], g[0.056,0.437]
1/1 [=====] - 0s 98ms/step
>168, dr[0.124,1.574], df[0.096,0.623], g[0.063,0.364]
1/1 [=====] - 0s 92ms/step
>169, dr[0.094,1.039], df[0.154,0.421], g[0.075,0.423]
1/1 [=====] - 0s 116ms/step
>170, dr[0.087,1.107], df[0.013,0.557], g[0.128,0.328]
1/1 [=====] - 0s 138ms/step
>171, dr[0.341,1.407], df[0.096,0.704], g[0.034,0.440]
1/1 [=====] - 0s 94ms/step
>172, dr[0.072,0.903], df[0.130,0.604], g[0.097,0.373]
1/1 [=====] - 0s 84ms/step
>173, dr[0.059,0.576], df[0.084,0.637], g[0.174,0.420]
1/1 [=====] - 0s 91ms/step
>174, dr[0.111,0.800], df[0.079,0.350], g[0.121,0.423]
1/1 [=====] - 0s 112ms/step
>175, dr[0.171,0.840], df[0.064,0.316], g[0.058,0.570]
1/1 [=====] - 0s 93ms/step
>176, dr[0.056,1.253], df[0.261,0.301], g[0.231,0.450]
1/1 [=====] - 0s 96ms/step
>177, dr[0.289,1.233], df[0.031,0.662], g[0.100,0.327]
1/1 [=====] - 0s 94ms/step
>178, dr[0.081,1.051], df[0.071,0.691], g[0.066,0.334]
1/1 [=====] - 0s 100ms/step
>179, dr[0.079,1.719], df[0.157,0.287], g[0.135,0.428]
1/1 [=====] - 0s 89ms/step
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>180, dr[0.075,0.812], df[0.070,0.624], g[0.097,0.430]
1/1 [=====] - 0s 100ms/step
>181, dr[0.068,0.925], df[0.063,0.633], g[0.077,0.288]
1/1 [=====] - 0s 132ms/step
>182, dr[0.095,1.403], df[0.163,0.491], g[0.178,0.395]
1/1 [=====] - 0s 87ms/step
>183, dr[0.127,0.825], df[0.018,0.445], g[0.092,0.332]
1/1 [=====] - 0s 99ms/step
>184, dr[0.090,1.102], df[0.050,0.465], g[0.047,0.328]
1/1 [=====] - 0s 140ms/step
>185, dr[0.048,0.798], df[0.039,0.343], g[0.049,0.419]
1/1 [=====] - 0s 110ms/step
>186, dr[0.040,0.798], df[0.204,0.276], g[0.135,0.420]
1/1 [=====] - 0s 114ms/step
>187, dr[0.045,0.992], df[0.011,0.359], g[0.282,0.230]
1/1 [=====] - 0s 114ms/step
>188, dr[0.144,1.040], df[0.068,0.259], g[0.096,0.313]
1/1 [=====] - 0s 88ms/step
>189, dr[0.160,1.115], df[0.103,0.364], g[0.084,0.361]
1/1 [=====] - 0s 107ms/step
>190, dr[0.044,0.771], df[0.071,0.499], g[0.138,0.487]
1/1 [=====] - 0s 92ms/step
>191, dr[0.035,1.031], df[0.017,0.544], g[0.077,0.343]
1/1 [=====] - 0s 96ms/step
>192, dr[0.099,0.749], df[0.027,0.432], g[0.029,0.368]
1/1 [=====] - 0s 129ms/step
>193, dr[0.037,0.654], df[0.177,0.255], g[0.073,0.315]
1/1 [=====] - 0s 96ms/step
>194, dr[0.030,0.635], df[0.010,0.338], g[0.094,0.237]
1/1 [=====] - 0s 129ms/step
>195, dr[0.073,0.986], df[0.057,0.463], g[0.045,0.399]
1/1 [=====] - 0s 85ms/step
>196, dr[0.030,0.557], df[0.024,0.318], g[0.055,0.210]
1/1 [=====] - 0s 117ms/step
>197, dr[0.040,0.855], df[0.037,0.324], g[0.051,0.199]
1/1 [=====] - 0s 106ms/step
>198, dr[0.072,0.613], df[0.057,0.261], g[0.090,0.339]
1/1 [=====] - 0s 83ms/step
>199, dr[0.021,1.938], df[0.010,0.440], g[0.072,0.291]
1/1 [=====] - 0s 84ms/step
>200, dr[0.184,1.041], df[0.119,0.276], g[0.070,0.127]
1/1 [=====] - 0s 84ms/step
>201, dr[0.035,0.868], df[0.077,0.296], g[0.103,0.228]
1/1 [=====] - 0s 127ms/step
>202, dr[0.119,1.052], df[0.018,0.207], g[0.063,0.167]
1/1 [=====] - 0s 91ms/step
>203, dr[0.061,1.269], df[0.048,0.228], g[0.063,0.166]
1/1 [=====] - 0s 107ms/step
>204, dr[0.022,0.911], df[0.066,0.244], g[0.065,0.195]
1/1 [=====] - 0s 127ms/step
>205, dr[0.033,1.113], df[0.035,0.461], g[0.090,0.331]
1/1 [=====] - 0s 106ms/step
>206, dr[0.047,0.667], df[0.079,0.337], g[0.086,0.204]
1/1 [=====] - 0s 110ms/step
>207, dr[0.060,0.951], df[0.046,0.266], g[0.097,0.242]
1/1 [=====] - 0s 96ms/step
>208, dr[0.065,0.952], df[0.043,0.115], g[0.162,0.234]
1/1 [=====] - 0s 91ms/step
>209, dr[0.040,1.244], df[0.024,0.232], g[0.110,0.214]
1/1 [=====] - 0s 155ms/step
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>210, dr[0.060,1.087], df[0.074,0.349], g[0.107,0.128]
1/1 [=====] - 0s 90ms/step
>211, dr[0.049,0.773], df[0.026,0.253], g[0.109,0.177]
1/1 [=====] - 0s 101ms/step
>212, dr[0.023,0.758], df[0.013,0.267], g[0.076,0.245]
1/1 [=====] - 0s 98ms/step
>213, dr[0.032,1.013], df[0.135,0.171], g[0.108,0.156]
1/1 [=====] - 0s 98ms/step
>214, dr[0.124,0.721], df[0.019,0.118], g[0.118,0.160]
1/1 [=====] - 0s 92ms/step
>215, dr[0.047,0.774], df[0.032,0.262], g[0.063,0.137]
1/1 [=====] - 0s 104ms/step
>216, dr[0.105,1.075], df[0.078,0.127], g[0.082,0.237]
1/1 [=====] - 0s 100ms/step
>217, dr[0.055,1.673], df[0.055,0.263], g[0.132,0.135]
1/1 [=====] - 0s 107ms/step
>218, dr[0.062,0.684], df[0.032,0.204], g[0.083,0.218]
1/1 [=====] - 0s 95ms/step
>219, dr[0.085,0.407], df[0.123,0.393], g[0.118,0.205]
1/1 [=====] - 0s 97ms/step
>220, dr[0.019,0.750], df[0.076,0.137], g[0.136,0.193]
1/1 [=====] - 0s 89ms/step
>221, dr[0.064,1.157], df[0.017,0.257], g[0.173,0.133]
1/1 [=====] - 0s 95ms/step
>222, dr[0.085,1.201], df[0.006,0.255], g[0.119,0.165]
1/1 [=====] - 0s 96ms/step
>223, dr[0.086,0.936], df[0.088,0.178], g[0.061,0.150]
1/1 [=====] - 0s 145ms/step
>224, dr[0.047,0.854], df[0.029,0.220], g[0.080,0.194]
1/1 [=====] - 0s 93ms/step
>225, dr[0.029,1.046], df[0.020,0.216], g[0.089,0.180]
1/1 [=====] - 0s 89ms/step
>226, dr[0.042,0.706], df[0.085,0.217], g[0.146,0.174]
1/1 [=====] - 0s 91ms/step
>227, dr[0.038,1.167], df[0.098,0.109], g[0.375,0.280]
1/1 [=====] - 0s 124ms/step
>228, dr[0.030,1.290], df[0.020,0.170], g[0.389,0.171]
1/1 [=====] - 0s 107ms/step
>229, dr[0.139,0.406], df[0.026,0.244], g[0.096,0.213]
1/1 [=====] - 0s 132ms/step
>230, dr[0.034,1.078], df[0.071,0.137], g[0.165,0.160]
1/1 [=====] - 0s 79ms/step
>231, dr[0.059,0.813], df[0.027,0.216], g[0.245,0.148]
1/1 [=====] - 0s 132ms/step
>232, dr[0.032,0.878], df[0.063,0.214], g[0.173,0.131]
1/1 [=====] - 0s 102ms/step
>233, dr[0.032,1.087], df[0.072,0.220], g[0.163,0.191]
1/1 [=====] - 0s 96ms/step
>234, dr[0.035,0.828], df[0.029,0.155], g[0.165,0.285]
1/1 [=====] - 0s 89ms/step
>235, dr[0.036,0.680], df[0.047,0.146], g[0.180,0.150]
1/1 [=====] - 0s 103ms/step
>236, dr[0.076,1.264], df[0.053,0.229], g[0.062,0.198]
1/1 [=====] - 0s 87ms/step
>237, dr[0.032,1.183], df[0.148,0.129], g[0.345,0.169]
1/1 [=====] - 0s 132ms/step
>238, dr[0.104,0.679], df[0.093,0.144], g[0.340,0.248]
1/1 [=====] - 0s 86ms/step
>239, dr[0.050,0.642], df[0.221,0.254], g[0.580,0.228]
1/1 [=====] - 0s 90ms/step
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>240, dr[0.297,1.015], df[0.121,0.166], g[0.378,0.167]
1/1 [=====] - 0s 82ms/step
>241, dr[0.042,1.284], df[0.156,0.332], g[0.481,0.198]
1/1 [=====] - 0s 99ms/step
>242, dr[0.084,0.818], df[0.047,0.200], g[0.559,0.173]
1/1 [=====] - 0s 96ms/step
>243, dr[0.096,1.050], df[0.102,0.163], g[0.493,0.120]
1/1 [=====] - 0s 113ms/step
>244, dr[0.112,1.188], df[0.190,0.223], g[0.764,0.343]
1/1 [=====] - 0s 90ms/step
>245, dr[0.061,0.975], df[0.135,0.141], g[0.917,0.225]
1/1 [=====] - 0s 138ms/step
>246, dr[0.079,0.813], df[0.036,0.260], g[0.602,0.201]
1/1 [=====] - 0s 88ms/step
>247, dr[0.202,0.704], df[0.091,0.151], g[0.302,0.081]
1/1 [=====] - 0s 137ms/step
>248, dr[0.056,0.822], df[0.143,0.270], g[0.472,0.122]
1/1 [=====] - 0s 85ms/step
>249, dr[0.094,0.918], df[0.059,0.130], g[0.429,0.102]
1/1 [=====] - 0s 95ms/step
>250, dr[0.084,1.132], df[0.118,0.100], g[0.552,0.143]
1/1 [=====] - 0s 123ms/step
>251, dr[0.100,0.924], df[0.067,0.158], g[0.553,0.096]
1/1 [=====] - 0s 117ms/step
>252, dr[0.114,0.972], df[0.090,0.120], g[0.417,0.183]
1/1 [=====] - 0s 84ms/step
>253, dr[0.081,0.623], df[0.053,0.144], g[0.433,0.141]
1/1 [=====] - 0s 135ms/step
>254, dr[0.056,0.831], df[0.026,0.138], g[0.384,0.095]
1/1 [=====] - 0s 92ms/step
>255, dr[0.063,1.003], df[0.024,0.244], g[0.171,0.156]
1/1 [=====] - 0s 87ms/step
>256, dr[0.076,1.470], df[0.170,0.209], g[0.222,0.100]
1/1 [=====] - 0s 146ms/step
>257, dr[0.059,0.779], df[0.027,0.192], g[0.482,0.138]
1/1 [=====] - 0s 98ms/step
>258, dr[0.118,0.572], df[0.043,0.138], g[0.337,0.183]
1/1 [=====] - 0s 125ms/step
>259, dr[0.061,0.724], df[0.028,0.109], g[0.209,0.124]
1/1 [=====] - 0s 85ms/step
>260, dr[0.053,0.703], df[0.112,0.080], g[0.470,0.164]
1/1 [=====] - 0s 90ms/step
>261, dr[0.056,0.755], df[0.030,0.069], g[0.441,0.114]
1/1 [=====] - 0s 91ms/step
>262, dr[0.173,0.769], df[0.504,0.079], g[1.630,0.146]
1/1 [=====] - 0s 92ms/step
>263, dr[0.514,0.643], df[0.187,0.120], g[0.569,0.178]
1/1 [=====] - 0s 126ms/step
>264, dr[0.107,0.560], df[0.101,0.058], g[0.682,0.137]
1/1 [=====] - 0s 83ms/step
>265, dr[0.268,1.066], df[0.118,0.056], g[0.144,0.130]
1/1 [=====] - 0s 102ms/step
>266, dr[0.108,1.056], df[0.391,0.109], g[1.395,0.153]
1/1 [=====] - 0s 111ms/step
>267, dr[0.161,0.589], df[0.009,0.147], g[1.182,0.201]
1/1 [=====] - 0s 87ms/step
>268, dr[0.231,0.890], df[0.152,0.105], g[0.563,0.092]
1/1 [=====] - 0s 135ms/step
>269, dr[0.121,1.350], df[0.065,0.059], g[0.705,0.094]
1/1 [=====] - 0s 115ms/step
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>270, dr[0.094,0.786], df[0.105,0.077], g[0.559,0.190]
1/1 [=====] - 0s 108ms/step
>271, dr[0.102,0.507], df[0.111,0.112], g[0.637,0.115]
1/1 [=====] - 0s 94ms/step
>272, dr[0.142,0.503], df[0.057,0.103], g[0.450,0.107]
1/1 [=====] - 0s 126ms/step
>273, dr[0.073,0.847], df[0.166,0.146], g[0.793,0.141]
1/1 [=====] - 0s 85ms/step
>274, dr[0.161,1.154], df[0.112,0.245], g[0.295,0.087]
1/1 [=====] - 0s 109ms/step
>275, dr[0.189,1.053], df[0.294,0.158], g[0.698,0.127]
1/1 [=====] - 0s 105ms/step
>276, dr[0.151,1.027], df[0.079,0.097], g[0.449,0.107]
1/1 [=====] - 0s 120ms/step
>277, dr[0.472,1.123], df[1.280,0.082], g[0.764,0.111]
1/1 [=====] - 0s 91ms/step
>278, dr[0.445,0.629], df[0.019,0.113], g[0.150,0.120]
1/1 [=====] - 0s 115ms/step
>279, dr[0.126,0.938], df[0.049,0.140], g[0.058,0.068]
1/1 [=====] - 0s 88ms/step
>280, dr[0.007,1.123], df[0.030,0.048], g[0.092,0.188]
1/1 [=====] - 0s 126ms/step
>281, dr[0.046,0.648], df[0.074,0.080], g[0.049,0.086]
1/1 [=====] - 0s 97ms/step
>282, dr[0.040,1.314], df[0.113,0.105], g[0.381,0.144]
1/1 [=====] - 0s 123ms/step
>283, dr[0.235,0.333], df[0.302,0.096], g[0.388,0.077]
1/1 [=====] - 0s 92ms/step
>284, dr[0.103,0.310], df[0.016,0.071], g[0.550,0.089]
1/1 [=====] - 0s 83ms/step
>285, dr[0.198,0.927], df[0.127,0.080], g[0.096,0.107]
1/1 [=====] - 0s 128ms/step
>286, dr[0.059,0.811], df[0.109,0.060], g[0.428,0.095]
1/1 [=====] - 0s 86ms/step
>287, dr[0.604,0.750], df[0.800,0.090], g[3.370,0.139]
1/1 [=====] - 0s 93ms/step
>288, dr[2.626,0.808], df[2.468,0.089], g[0.145,0.143]
1/1 [=====] - 0s 114ms/step
>289, dr[0.087,1.101], df[0.030,0.149], g[0.760,0.136]
1/1 [=====] - 0s 86ms/step
>290, dr[0.398,0.872], df[0.117,0.113], g[0.136,0.109]
1/1 [=====] - 0s 121ms/step
>291, dr[0.296,0.681], df[0.332,0.052], g[0.187,0.087]
1/1 [=====] - 0s 88ms/step
>292, dr[0.071,1.113], df[0.197,0.025], g[0.454,0.093]
1/1 [=====] - 0s 88ms/step
>293, dr[0.241,1.134], df[0.358,0.074], g[0.772,0.093]
1/1 [=====] - 0s 118ms/step
>294, dr[0.510,0.647], df[0.617,0.047], g[1.632,0.129]
1/1 [=====] - 0s 144ms/step
>295, dr[0.983,0.672], df[0.768,0.116], g[0.501,0.079]
1/1 [=====] - 0s 134ms/step
>296, dr[0.579,1.236], df[0.717,0.040], g[2.711,0.135]
1/1 [=====] - 0s 103ms/step
>297, dr[2.128,0.990], df[1.351,0.055], g[0.896,0.119]
1/1 [=====] - 0s 101ms/step
>298, dr[0.412,0.665], df[0.176,0.166], g[1.101,0.133]
1/1 [=====] - 0s 109ms/step
>299, dr[0.602,1.015], df[0.943,0.122], g[0.716,0.087]
1/1 [=====] - 0s 95ms/step
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>300, dr[0.525,1.419], df[0.260,0.085], g[0.411,0.111]
1/1 [=====] - 0s 93ms/step
>301, dr[0.328,0.719], df[0.457,0.049], g[0.431,0.087]
1/1 [=====] - 0s 116ms/step
>302, dr[0.256,1.265], df[0.134,0.099], g[0.364,0.239]
1/1 [=====] - 0s 94ms/step
>303, dr[0.483,1.332], df[0.348,0.145], g[0.175,0.078]
1/1 [=====] - 0s 85ms/step
>304, dr[0.048,0.585], df[0.471,0.103], g[0.887,0.195]
1/1 [=====] - 0s 94ms/step
>305, dr[0.626,0.850], df[0.664,0.056], g[0.649,0.082]
1/1 [=====] - 0s 97ms/step
>306, dr[0.559,0.944], df[0.552,0.068], g[0.968,0.080]
1/1 [=====] - 0s 98ms/step
>307, dr[0.257,0.838], df[0.086,0.056], g[0.529,0.195]
1/1 [=====] - 0s 94ms/step
>308, dr[0.930,0.542], df[0.750,0.035], g[0.392,0.076]
1/1 [=====] - 0s 95ms/step
>309, dr[0.380,0.567], df[0.744,0.050], g[2.219,0.239]
1/1 [=====] - 0s 94ms/step
>310, dr[1.433,1.016], df[1.457,0.045], g[2.973,0.302]
1/1 [=====] - 0s 96ms/step
>311, dr[1.292,0.887], df[0.454,0.241], g[0.865,0.164]
1/1 [=====] - 0s 86ms/step
>312, dr[1.079,0.971], df[1.650,0.099], g[0.549,0.099]
1/1 [=====] - 0s 97ms/step
>313, dr[0.283,0.684], df[0.318,0.090], g[0.900,0.114]
1/1 [=====] - 0s 92ms/step
>314, dr[0.622,0.676], df[0.316,0.040], g[0.333,0.164]
1/1 [=====] - 0s 97ms/step
>315, dr[0.303,0.927], df[0.741,0.156], g[0.639,0.104]
1/1 [=====] - 0s 81ms/step
>316, dr[0.621,1.295], df[0.761,0.123], g[0.843,0.137]
1/1 [=====] - 0s 87ms/step
>317, dr[0.411,0.571], df[0.201,0.079], g[0.789,0.095]
1/1 [=====] - 0s 114ms/step
>318, dr[0.508,0.637], df[0.785,0.048], g[1.165,0.061]
1/1 [=====] - 0s 133ms/step
>319, dr[0.606,0.466], df[0.716,0.041], g[2.776,0.060]
1/1 [=====] - 0s 100ms/step
>320, dr[1.871,1.340], df[1.345,0.049], g[1.478,0.096]
1/1 [=====] - 0s 83ms/step
>321, dr[0.717,0.805], df[1.017,0.135], g[3.971,0.193]
1/1 [=====] - 0s 130ms/step
>322, dr[2.429,1.003], df[0.340,0.104], g[0.809,0.210]
1/1 [=====] - 0s 119ms/step
>323, dr[0.469,0.912], df[1.598,0.041], g[1.720,0.182]
1/1 [=====] - 0s 89ms/step
>324, dr[0.547,0.687], df[1.020,0.112], g[2.705,0.341]
1/1 [=====] - 0s 103ms/step
>325, dr[2.400,1.454], df[1.415,0.493], g[1.401,0.285]
1/1 [=====] - 0s 92ms/step
>326, dr[0.709,0.474], df[0.547,0.130], g[1.453,0.132]
1/1 [=====] - 0s 91ms/step
>327, dr[0.473,1.145], df[0.193,0.132], g[1.079,0.087]
1/1 [=====] - 0s 91ms/step
>328, dr[0.384,1.021], df[0.571,0.158], g[0.893,0.172]
1/1 [=====] - 0s 117ms/step
>329, dr[0.202,0.674], df[0.108,0.127], g[0.875,0.116]
1/1 [=====] - 0s 99ms/step
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>330, dr[0.195,1.193], df[0.204,0.118], g[0.928,0.088]
1/1 [=====] - 0s 91ms/step
>331, dr[0.167,0.424], df[0.234,0.093], g[0.951,0.088]
1/1 [=====] - 0s 94ms/step
>332, dr[0.253,0.659], df[0.239,0.088], g[1.204,0.106]
1/1 [=====] - 0s 131ms/step
>333, dr[0.243,0.912], df[0.285,0.087], g[0.909,0.033]
1/1 [=====] - 0s 85ms/step
>334, dr[0.298,1.037], df[0.518,0.171], g[1.101,0.121]
1/1 [=====] - 0s 132ms/step
>335, dr[0.317,1.040], df[0.353,0.085], g[1.109,0.107]
1/1 [=====] - 0s 84ms/step
>336, dr[0.774,0.405], df[0.780,0.105], g[0.729,0.048]
1/1 [=====] - 0s 98ms/step
>337, dr[0.576,0.652], df[1.150,0.090], g[1.829,0.107]
1/1 [=====] - 0s 92ms/step
>338, dr[1.456,1.774], df[0.794,0.028], g[1.204,0.137]
1/1 [=====] - 0s 104ms/step
>339, dr[0.684,0.932], df[0.697,0.105], g[1.414,0.308]
1/1 [=====] - 0s 84ms/step
>340, dr[0.753,0.715], df[0.641,0.060], g[1.292,0.184]
1/1 [=====] - 0s 148ms/step
>341, dr[0.749,0.841], df[0.878,0.055], g[1.154,0.156]
1/1 [=====] - 0s 124ms/step
>342, dr[0.469,0.935], df[0.691,0.062], g[2.247,0.204]
1/1 [=====] - 0s 89ms/step
>343, dr[0.786,1.191], df[0.581,0.218], g[1.546,0.173]
1/1 [=====] - 0s 87ms/step
>344, dr[1.082,0.948], df[1.490,0.043], g[1.231,0.181]
1/1 [=====] - 0s 90ms/step
>345, dr[0.571,0.751], df[0.590,0.083], g[2.596,0.175]
1/1 [=====] - 0s 93ms/step
>346, dr[1.555,0.669], df[0.447,0.081], g[1.333,0.207]
1/1 [=====] - 0s 97ms/step
>347, dr[0.680,0.756], df[1.224,0.238], g[2.136,0.170]
1/1 [=====] - 0s 85ms/step
>348, dr[0.902,0.897], df[0.282,0.072], g[1.855,0.122]
1/1 [=====] - 0s 132ms/step
>349, dr[0.661,0.907], df[0.813,0.067], g[1.836,0.245]
1/1 [=====] - 0s 108ms/step
>350, dr[0.751,0.602], df[0.622,0.042], g[2.157,0.113]
1/1 [=====] - 0s 87ms/step
>351, dr[0.924,1.447], df[0.677,0.037], g[1.085,0.118]
1/1 [=====] - 0s 113ms/step
>352, dr[0.551,0.941], df[0.642,0.057], g[1.248,0.105]
1/1 [=====] - 0s 149ms/step
>353, dr[0.680,1.310], df[0.541,0.108], g[1.166,0.145]
1/1 [=====] - 0s 98ms/step
>354, dr[0.812,0.671], df[0.749,0.086], g[1.452,0.114]
1/1 [=====] - 0s 123ms/step
>355, dr[0.441,0.700], df[0.535,0.052], g[1.595,0.065]
1/1 [=====] - 0s 87ms/step
>356, dr[0.741,0.678], df[0.532,0.087], g[0.919,0.076]
1/1 [=====] - 0s 101ms/step
>357, dr[0.544,1.019], df[0.770,0.096], g[0.956,0.066]
1/1 [=====] - 0s 106ms/step
>358, dr[0.475,1.097], df[0.642,0.108], g[0.977,0.068]
1/1 [=====] - 0s 115ms/step
>359, dr[0.427,0.539], df[0.321,0.056], g[1.081,0.085]
1/1 [=====] - 0s 86ms/step
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>360, dr[0.391,1.523], df[0.510,0.044], g[1.063,0.042]
1/1 [=====] - 0s 88ms/step
>361, dr[0.328,0.458], df[0.308,0.060], g[1.078,0.073]
1/1 [=====] - 0s 122ms/step
>362, dr[0.451,0.874], df[0.517,0.036], g[1.107,0.086]
1/1 [=====] - 0s 120ms/step
>363, dr[0.649,0.464], df[0.355,0.035], g[0.784,0.066]
1/1 [=====] - 0s 90ms/step
>364, dr[0.295,0.633], df[0.770,0.031], g[1.627,0.123]
1/1 [=====] - 0s 85ms/step
>365, dr[0.658,0.756], df[0.471,0.070], g[1.559,0.076]
1/1 [=====] - 0s 93ms/step
>366, dr[0.864,0.473], df[0.780,0.044], g[1.599,0.150]
1/1 [=====] - 0s 101ms/step
>367, dr[0.521,0.883], df[0.591,0.068], g[1.605,0.093]
1/1 [=====] - 0s 96ms/step
>368, dr[0.635,1.215], df[0.474,0.044], g[1.397,0.129]
1/1 [=====] - 0s 82ms/step
>369, dr[0.506,0.812], df[0.551,0.039], g[1.330,0.134]
1/1 [=====] - 0s 99ms/step
>370, dr[0.599,0.988], df[0.792,0.033], g[2.092,0.080]
1/1 [=====] - 0s 96ms/step
>371, dr[0.709,0.893], df[0.583,0.061], g[1.776,0.078]
1/1 [=====] - 0s 138ms/step
>372, dr[0.494,1.409], df[0.377,0.036], g[1.825,0.096]
1/1 [=====] - 0s 135ms/step
>373, dr[0.502,0.593], df[0.571,0.033], g[1.588,0.139]
1/1 [=====] - 0s 133ms/step
>374, dr[0.892,0.503], df[0.375,0.038], g[1.091,0.133]
1/1 [=====] - 0s 99ms/step
>375, dr[0.208,0.650], df[0.533,0.047], g[1.729,0.134]
1/1 [=====] - 0s 105ms/step
>376, dr[0.770,1.091], df[0.362,0.035], g[1.182,0.139]
1/1 [=====] - 0s 101ms/step
>377, dr[0.391,1.206], df[0.629,0.121], g[1.293,0.186]
1/1 [=====] - 0s 92ms/step
>378, dr[0.393,0.988], df[0.250,0.122], g[1.432,0.108]
1/1 [=====] - 0s 117ms/step
>379, dr[0.328,0.504], df[0.347,0.048], g[1.357,0.083]
1/1 [=====] - 0s 119ms/step
>380, dr[0.390,0.703], df[0.358,0.049], g[1.350,0.231]
1/1 [=====] - 0s 116ms/step
>381, dr[0.537,0.648], df[0.658,0.032], g[1.439,0.170]
1/1 [=====] - 0s 113ms/step
>382, dr[0.290,0.527], df[0.224,0.048], g[1.433,0.122]
1/1 [=====] - 0s 128ms/step
>383, dr[0.444,0.564], df[0.156,0.061], g[1.092,0.135]
1/1 [=====] - 0s 95ms/step
>384, dr[0.550,0.546], df[0.502,0.077], g[0.782,0.293]
1/1 [=====] - 0s 103ms/step
>385, dr[0.377,1.057], df[0.594,0.048], g[1.383,0.116]
1/1 [=====] - 0s 100ms/step
>386, dr[0.401,0.678], df[0.317,0.099], g[1.737,0.138]
1/1 [=====] - 0s 87ms/step
>387, dr[0.630,0.806], df[0.664,0.097], g[1.862,0.102]
1/1 [=====] - 0s 91ms/step
>388, dr[0.461,0.805], df[0.301,0.083], g[1.529,0.107]
1/1 [=====] - 0s 90ms/step
>389, dr[0.601,0.874], df[0.736,0.053], g[1.782,0.100]
1/1 [=====] - 0s 95ms/step
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>390, dr[0.387,0.790], df[0.485,0.078], g[2.031,0.205]
1/1 [=====] - 0s 97ms/step
>391, dr[0.433,0.568], df[0.233,0.103], g[2.002,0.115]
1/1 [=====] - 0s 86ms/step
>392, dr[0.377,1.066], df[0.408,0.061], g[2.101,0.100]
1/1 [=====] - 0s 96ms/step
>393, dr[0.609,0.382], df[0.465,0.067], g[1.712,0.100]
1/1 [=====] - 0s 100ms/step
>394, dr[0.398,0.403], df[0.365,0.061], g[1.606,0.091]
1/1 [=====] - 0s 107ms/step
>395, dr[0.419,0.515], df[0.390,0.071], g[1.707,0.105]
1/1 [=====] - 0s 107ms/step
>396, dr[0.365,0.758], df[0.484,0.085], g[1.951,0.074]
1/1 [=====] - 0s 85ms/step
>397, dr[0.517,1.254], df[0.280,0.075], g[1.805,0.139]
1/1 [=====] - 0s 118ms/step
>398, dr[0.439,1.360], df[0.694,0.075], g[1.572,0.119]
1/1 [=====] - 0s 97ms/step
>399, dr[0.578,0.443], df[0.367,0.034], g[1.771,0.093]
1/1 [=====] - 0s 122ms/step
>400, dr[0.403,0.595], df[0.455,0.075], g[2.100,0.155]
1/1 [=====] - 0s 126ms/step
>401, dr[0.349,1.025], df[0.326,0.062], g[1.747,0.069]
1/1 [=====] - 0s 87ms/step
>402, dr[0.389,0.528], df[0.426,0.090], g[1.845,0.138]
1/1 [=====] - 0s 134ms/step
>403, dr[0.671,0.572], df[0.396,0.064], g[1.302,0.100]
1/1 [=====] - 0s 117ms/step
>404, dr[0.334,0.730], df[1.002,0.093], g[1.381,0.127]
1/1 [=====] - 0s 90ms/step
>405, dr[0.715,1.086], df[0.617,0.097], g[1.607,0.190]
1/1 [=====] - 0s 89ms/step
>406, dr[0.732,0.807], df[1.068,0.186], g[2.111,0.293]
1/1 [=====] - 0s 86ms/step
>407, dr[1.173,0.835], df[0.612,0.110], g[1.759,0.216]
1/1 [=====] - 0s 141ms/step
>408, dr[0.367,0.466], df[0.628,0.183], g[1.738,0.149]
1/1 [=====] - 0s 106ms/step
>409, dr[0.453,1.039], df[0.461,0.092], g[1.933,0.175]
1/1 [=====] - 0s 98ms/step
>410, dr[0.472,0.604], df[0.647,0.142], g[2.371,0.118]
1/1 [=====] - 0s 94ms/step
>411, dr[0.351,0.620], df[0.351,0.132], g[3.062,0.090]
1/1 [=====] - 0s 84ms/step
>412, dr[0.529,0.759], df[0.363,0.067], g[2.152,0.095]
1/1 [=====] - 0s 112ms/step
>413, dr[0.383,0.949], df[0.321,0.063], g[2.038,0.059]
1/1 [=====] - 0s 103ms/step
>414, dr[0.221,0.804], df[0.219,0.091], g[1.859,0.078]
1/1 [=====] - 0s 120ms/step
>415, dr[0.490,0.480], df[0.489,0.043], g[2.400,0.056]
1/1 [=====] - 0s 82ms/step
>416, dr[0.543,0.894], df[0.313,0.049], g[1.854,0.051]
1/1 [=====] - 0s 110ms/step
>417, dr[0.281,1.206], df[0.437,0.043], g[1.743,0.067]
1/1 [=====] - 0s 108ms/step
>418, dr[0.289,0.631], df[0.430,0.132], g[1.604,0.073]
1/1 [=====] - 0s 95ms/step
>419, dr[0.513,0.799], df[0.557,0.034], g[1.666,0.106]
1/1 [=====] - 0s 100ms/step
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>420, dr[0.405,0.781], df[0.264,0.087], g[1.706,0.123]
1/1 [=====] - 0s 99ms/step
>421, dr[0.875,1.356], df[1.284,0.045], g[1.574,0.161]
1/1 [=====] - 0s 89ms/step
>422, dr[0.617,1.319], df[0.892,0.056], g[2.245,0.100]
1/1 [=====] - 0s 343ms/step
>423, dr[0.575,0.874], df[0.368,0.080], g[2.197,0.151]
1/1 [=====] - 0s 214ms/step
>424, dr[0.664,0.507], df[0.776,0.219], g[2.178,0.076]
1/1 [=====] - 0s 127ms/step
>425, dr[0.608,0.639], df[0.468,0.027], g[2.375,0.078]
1/1 [=====] - 0s 96ms/step
>426, dr[0.585,0.984], df[0.661,0.081], g[2.236,0.074]
1/1 [=====] - 0s 92ms/step
>427, dr[0.659,0.557], df[0.579,0.045], g[1.876,0.040]
1/1 [=====] - 0s 109ms/step
>428, dr[0.494,0.980], df[1.033,0.094], g[2.056,0.034]
1/1 [=====] - 0s 173ms/step
>429, dr[0.631,0.651], df[0.461,0.050], g[2.206,0.033]
1/1 [=====] - 0s 168ms/step
>430, dr[0.557,1.046], df[0.504,0.058], g[2.089,0.034]
1/1 [=====] - 0s 98ms/step
>431, dr[0.547,0.823], df[0.597,0.093], g[2.100,0.042]
1/1 [=====] - 0s 103ms/step
>432, dr[0.377,0.660], df[0.496,0.071], g[2.882,0.166]
1/1 [=====] - 0s 104ms/step
>433, dr[0.507,0.781], df[0.257,0.025], g[2.295,0.034]
1/1 [=====] - 0s 122ms/step
>434, dr[0.391,0.710], df[0.339,0.058], g[2.133,0.095]
1/1 [=====] - 0s 90ms/step
>435, dr[0.468,1.090], df[0.550,0.100], g[2.076,0.058]
1/1 [=====] - 0s 84ms/step
>436, dr[0.374,1.363], df[0.204,0.046], g[1.945,0.117]
1/1 [=====] - 0s 109ms/step
>437, dr[0.269,0.743], df[0.454,0.171], g[2.211,0.088]
1/1 [=====] - 0s 89ms/step
>438, dr[0.701,0.844], df[0.701,0.117], g[2.773,0.071]
1/1 [=====] - 0s 90ms/step
>439, dr[0.937,0.705], df[0.428,0.125], g[2.346,0.154]
1/1 [=====] - 0s 99ms/step
>440, dr[0.792,0.901], df[0.416,0.403], g[1.476,0.138]
1/1 [=====] - 0s 94ms/step
>441, dr[0.576,1.028], df[0.516,0.527], g[1.635,0.162]
1/1 [=====] - 0s 90ms/step
>442, dr[0.362,1.135], df[0.542,0.323], g[2.341,0.173]
1/1 [=====] - 0s 92ms/step
>443, dr[0.416,0.919], df[0.385,0.138], g[2.618,0.184]
1/1 [=====] - 0s 145ms/step
>444, dr[0.627,0.691], df[0.239,0.120], g[1.966,0.110]
1/1 [=====] - 0s 143ms/step
>445, dr[0.583,0.976], df[0.597,0.121], g[1.308,0.165]
1/1 [=====] - 0s 88ms/step
>446, dr[0.267,0.442], df[0.387,0.062], g[1.863,0.213]
1/1 [=====] - 0s 167ms/step
>447, dr[0.658,0.660], df[0.338,0.132], g[1.353,0.082]
1/1 [=====] - 0s 91ms/step
>448, dr[0.440,0.772], df[0.487,0.055], g[1.643,0.094]
1/1 [=====] - 0s 94ms/step
>449, dr[0.277,0.964], df[0.549,0.086], g[2.075,0.212]
1/1 [=====] - 0s 93ms/step
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>450, dr[0.679,0.513], df[0.367,0.104], g[1.638,0.242]
1/1 [=====] - 0s 135ms/step
>451, dr[0.392,0.783], df[0.722,0.215], g[1.779,0.140]
1/1 [=====] - 0s 99ms/step
>452, dr[0.810,0.652], df[1.041,0.350], g[2.154,0.096]
1/1 [=====] - 0s 134ms/step
>453, dr[1.025,0.941], df[0.786,0.781], g[2.608,0.084]
1/1 [=====] - 0s 91ms/step
>454, dr[0.588,0.625], df[0.553,0.261], g[2.701,0.131]
1/1 [=====] - 0s 111ms/step
>455, dr[0.870,0.772], df[0.578,0.243], g[2.856,0.151]
1/1 [=====] - 0s 103ms/step
>456, dr[0.383,1.260], df[0.327,0.140], g[2.824,0.097]
1/1 [=====] - 0s 87ms/step
>457, dr[0.336,0.924], df[0.276,0.052], g[2.789,0.101]
1/1 [=====] - 0s 140ms/step
>458, dr[0.282,0.735], df[0.365,0.182], g[2.641,0.082]
1/1 [=====] - 0s 130ms/step
>459, dr[0.255,1.349], df[0.779,0.299], g[3.563,0.172]
1/1 [=====] - 0s 84ms/step
>460, dr[0.546,0.729], df[0.179,0.232], g[2.929,0.180]
1/1 [=====] - 0s 98ms/step
>461, dr[0.493,0.388], df[0.292,0.171], g[2.492,0.213]
1/1 [=====] - 0s 85ms/step
>462, dr[0.483,1.005], df[0.531,0.486], g[2.041,0.186]
1/1 [=====] - 0s 98ms/step
>463, dr[0.365,1.062], df[0.148,0.394], g[2.215,0.124]
1/1 [=====] - 0s 118ms/step
>464, dr[0.789,1.109], df[0.300,0.509], g[1.490,0.145]
1/1 [=====] - 0s 105ms/step
>465, dr[0.210,0.615], df[0.303,0.293], g[1.273,0.141]
1/1 [=====] - 0s 94ms/step
>466, dr[0.270,0.387], df[0.172,0.167], g[1.358,0.131]
1/1 [=====] - 0s 101ms/step
>467, dr[0.331,0.772], df[0.414,0.106], g[1.264,0.095]
1/1 [=====] - 0s 97ms/step
>468, dr[0.281,1.318], df[0.408,0.261], g[1.411,0.080]
1/1 [=====] - 0s 98ms/step
>469, dr[0.416,1.209], df[0.335,0.086], g[1.124,0.094]
1/1 [=====] - 0s 96ms/step
>470, dr[0.525,0.724], df[0.593,0.093], g[1.145,0.127]
1/1 [=====] - 0s 122ms/step
>471, dr[0.302,0.250], df[0.502,0.050], g[1.276,0.092]
1/1 [=====] - 0s 104ms/step
>472, dr[0.536,0.906], df[0.565,0.046], g[2.317,0.227]
1/1 [=====] - 0s 102ms/step
>473, dr[0.705,0.652], df[0.432,0.044], g[2.564,0.112]
1/1 [=====] - 0s 114ms/step
>474, dr[0.912,1.387], df[0.400,0.149], g[1.897,0.072]
1/1 [=====] - 0s 112ms/step
>475, dr[0.479,0.815], df[0.336,0.085], g[1.480,0.158]
1/1 [=====] - 0s 108ms/step
>476, dr[0.376,0.430], df[0.368,0.101], g[1.761,0.225]
1/1 [=====] - 0s 98ms/step
>477, dr[0.464,0.835], df[0.318,0.119], g[1.834,0.110]
1/1 [=====] - 0s 110ms/step
>478, dr[0.252,0.550], df[0.173,0.231], g[1.822,0.072]
1/1 [=====] - 0s 131ms/step
>479, dr[0.458,0.821], df[0.241,0.137], g[1.243,0.085]
1/1 [=====] - 0s 129ms/step
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>480, dr[0.435,1.479], df[0.375,0.146], g[1.587,0.083]
1/1 [=====] - 0s 173ms/step
>481, dr[0.259,0.842], df[0.260,0.105], g[1.621,0.099]
1/1 [=====] - 0s 98ms/step
>482, dr[0.157,0.892], df[0.300,0.153], g[1.826,0.156]
1/1 [=====] - 0s 100ms/step
>483, dr[0.247,1.201], df[0.195,0.086], g[1.791,0.204]
1/1 [=====] - 0s 113ms/step
>484, dr[0.271,0.661], df[0.284,0.049], g[1.769,0.082]
1/1 [=====] - 0s 106ms/step
>485, dr[0.360,1.048], df[0.346,0.043], g[2.056,0.179]
1/1 [=====] - 0s 101ms/step
>486, dr[0.220,0.633], df[0.218,0.131], g[2.070,0.156]
1/1 [=====] - 0s 95ms/step
>487, dr[0.259,0.711], df[0.230,0.043], g[2.367,0.068]
1/1 [=====] - 0s 100ms/step
>488, dr[0.623,0.650], df[0.284,0.072], g[1.793,0.081]
1/1 [=====] - 0s 107ms/step
>489, dr[0.316,0.877], df[0.410,0.019], g[2.371,0.085]
1/1 [=====] - 0s 102ms/step
>490, dr[0.450,0.615], df[0.244,0.032], g[2.521,0.109]
1/1 [=====] - 0s 90ms/step
>491, dr[0.260,0.483], df[0.348,0.070], g[2.953,0.114]
1/1 [=====] - 0s 97ms/step
>492, dr[0.436,0.337], df[0.118,0.049], g[2.315,0.094]
1/1 [=====] - 0s 96ms/step
>493, dr[0.182,0.563], df[0.403,0.026], g[2.620,0.072]
1/1 [=====] - 0s 92ms/step
>494, dr[0.280,1.045], df[0.348,0.047], g[2.540,0.092]
1/1 [=====] - 0s 95ms/step
>495, dr[0.354,0.680], df[0.212,0.054], g[2.506,0.161]
1/1 [=====] - 0s 92ms/step
>496, dr[0.244,0.664], df[0.194,0.072], g[2.505,0.104]
1/1 [=====] - 0s 108ms/step
>497, dr[0.334,0.366], df[0.733,0.051], g[2.448,0.098]
1/1 [=====] - 0s 98ms/step
>498, dr[0.341,0.617], df[0.375,0.063], g[3.331,0.102]
1/1 [=====] - 0s 90ms/step
>499, dr[0.297,0.505], df[0.222,0.066], g[3.073,0.079]
1/1 [=====] - 0s 94ms/step
>500, dr[0.348,0.780], df[0.679,0.161], g[2.931,0.110]
1/1 [=====] - 0s 94ms/step
>501, dr[0.533,0.596], df[0.317,0.250], g[2.723,0.109]
1/1 [=====] - 0s 107ms/step
>502, dr[0.297,0.584], df[0.435,0.469], g[2.704,0.142]
1/1 [=====] - 0s 97ms/step
>503, dr[0.253,1.369], df[0.208,0.135], g[2.882,0.098]
1/1 [=====] - 0s 97ms/step
>504, dr[0.195,0.181], df[0.217,0.361], g[2.574,0.059]
1/1 [=====] - 0s 92ms/step
>505, dr[0.194,1.054], df[0.248,0.170], g[3.340,0.079]
1/1 [=====] - 0s 90ms/step
>506, dr[0.150,0.560], df[0.297,0.102], g[2.114,0.051]
1/1 [=====] - 0s 94ms/step
>507, dr[0.594,0.650], df[0.739,0.047], g[1.951,0.110]
1/1 [=====] - 0s 92ms/step
>508, dr[0.375,0.697], df[0.452,0.047], g[2.354,0.109]
1/1 [=====] - 0s 95ms/step
>509, dr[0.526,0.662], df[0.529,0.043], g[2.688,0.161]
1/1 [=====] - 0s 112ms/step
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>510, dr[0.472,0.848], df[0.611,0.086], g[1.961,0.099]
1/1 [=====] - 0s 95ms/step
>511, dr[0.886,0.684], df[0.971,0.084], g[1.688,0.104]
1/1 [=====] - 0s 90ms/step
>512, dr[1.003,1.445], df[0.794,0.080], g[1.688,0.088]
1/1 [=====] - 0s 99ms/step
>513, dr[0.723,0.866], df[1.308,0.077], g[3.196,0.106]
1/1 [=====] - 0s 118ms/step
>514, dr[1.268,1.041], df[0.344,0.082], g[2.022,0.052]
1/1 [=====] - 0s 102ms/step
>515, dr[0.528,0.548], df[0.546,0.118], g[2.133,0.131]
1/1 [=====] - 0s 117ms/step
>516, dr[0.555,0.391], df[0.588,0.083], g[1.518,0.076]
1/1 [=====] - 0s 91ms/step
>517, dr[0.820,0.698], df[0.853,0.154], g[1.714,0.130]
1/1 [=====] - 0s 87ms/step
>518, dr[0.981,0.573], df[0.519,0.100], g[1.566,0.064]
1/1 [=====] - 0s 87ms/step
>519, dr[0.645,0.525], df[0.559,0.109], g[0.998,0.112]
1/1 [=====] - 0s 99ms/step
>520, dr[0.706,0.962], df[0.656,0.097], g[0.914,0.085]
1/1 [=====] - 0s 91ms/step
>521, dr[0.197,0.818], df[0.606,0.216], g[1.347,0.114]
1/1 [=====] - 0s 100ms/step
>522, dr[0.341,1.190], df[0.255,0.136], g[1.588,0.137]
1/1 [=====] - 0s 97ms/step
>523, dr[0.676,0.666], df[0.408,0.143], g[0.913,0.084]
1/1 [=====] - 0s 90ms/step
>524, dr[0.288,0.829], df[0.324,0.090], g[1.343,0.122]
1/1 [=====] - 0s 94ms/step
>525, dr[0.338,0.603], df[0.433,0.209], g[1.527,0.156]
1/1 [=====] - 0s 93ms/step
>526, dr[0.293,1.103], df[0.200,0.039], g[1.375,0.264]
1/1 [=====] - 0s 87ms/step
>527, dr[0.252,0.765], df[0.223,0.041], g[1.263,0.192]
1/1 [=====] - 0s 88ms/step
>528, dr[0.368,0.528], df[0.272,0.035], g[1.301,0.110]
1/1 [=====] - 0s 105ms/step
>529, dr[0.223,0.786], df[0.470,0.108], g[1.511,0.296]
1/1 [=====] - 0s 88ms/step
>530, dr[0.171,0.417], df[0.509,0.317], g[2.251,0.252]
1/1 [=====] - 0s 94ms/step
>531, dr[0.695,0.470], df[0.569,0.192], g[1.808,0.254]
1/1 [=====] - 0s 108ms/step
>532, dr[0.338,0.404], df[0.349,0.160], g[1.567,0.218]
1/1 [=====] - 0s 137ms/step
>533, dr[0.577,1.090], df[0.554,0.145], g[1.813,0.241]
1/1 [=====] - 0s 98ms/step
>534, dr[0.273,0.939], df[0.419,0.149], g[2.244,0.252]
1/1 [=====] - 0s 105ms/step
>535, dr[0.498,0.963], df[0.293,0.210], g[1.903,0.191]
1/1 [=====] - 0s 108ms/step
>536, dr[0.592,0.358], df[0.696,0.057], g[1.884,0.169]
1/1 [=====] - 0s 109ms/step
>537, dr[0.618,0.949], df[0.575,0.219], g[2.160,0.138]
1/1 [=====] - 0s 119ms/step
>538, dr[0.600,0.625], df[0.273,0.038], g[2.521,0.127]
1/1 [=====] - 0s 111ms/step
>539, dr[0.496,0.702], df[0.362,0.023], g[2.340,0.199]
1/1 [=====] - 0s 96ms/step
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```
>540, dr[0.405,0.987], df[0.415,0.118], g[2.400,0.173]
1/1 [=====] - 0s 112ms/step
>541, dr[0.426,0.668], df[0.298,0.195], g[1.902,0.195]
1/1 [=====] - 0s 90ms/step
>542, dr[0.324,0.687], df[0.333,0.228], g[2.354,0.085]
1/1 [=====] - 0s 113ms/step
>543, dr[0.372,0.997], df[0.469,0.114], g[2.396,0.174]
1/1 [=====] - 0s 90ms/step
>544, dr[0.473,0.837], df[0.255,0.077], g[2.298,0.152]
1/1 [=====] - 0s 114ms/step
>545, dr[0.495,0.593], df[0.516,0.143], g[2.161,0.158]
1/1 [=====] - 0s 92ms/step
>546, dr[0.405,1.026], df[0.392,0.048], g[1.701,0.117]
1/1 [=====] - 0s 106ms/step
>547, dr[0.471,1.036], df[0.834,0.051], g[1.630,0.263]
1/1 [=====] - 0s 112ms/step
>548, dr[0.478,0.850], df[0.615,0.120], g[1.650,0.158]
1/1 [=====] - 0s 93ms/step
>549, dr[0.390,1.358], df[0.475,0.041], g[1.567,0.167]
1/1 [=====] - 0s 114ms/step
>550, dr[0.402,0.923], df[0.503,0.039], g[1.530,0.066]
1/1 [=====] - 0s 91ms/step
>551, dr[0.679,1.569], df[0.698,0.221], g[1.130,0.168]
1/1 [=====] - 0s 109ms/step
>552, dr[0.356,0.709], df[0.597,0.077], g[1.305,0.058]
1/1 [=====] - 0s 107ms/step
>553, dr[0.489,0.926], df[0.521,0.025], g[0.949,0.135]
1/1 [=====] - 0s 106ms/step
>554, dr[0.370,0.709], df[0.301,0.050], g[0.757,0.290]
1/1 [=====] - 0s 101ms/step
>555, dr[0.253,0.739], df[0.223,0.015], g[1.300,0.070]
1/1 [=====] - 0s 140ms/step
>556, dr[0.605,0.489], df[0.541,0.162], g[1.310,0.178]
1/1 [=====] - 0s 150ms/step
>557, dr[0.444,0.955], df[0.432,0.049], g[1.426,0.204]
1/1 [=====] - 0s 128ms/step
>558, dr[0.437,0.882], df[0.799,0.157], g[3.337,0.259]
1/1 [=====] - 0s 92ms/step
>559, dr[1.163,0.588], df[0.125,0.453], g[3.118,0.151]
1/1 [=====] - 0s 122ms/step
>560, dr[0.759,0.556], df[0.454,0.254], g[2.524,0.410]
1/1 [=====] - 0s 102ms/step
>561, dr[0.222,0.479], df[0.257,0.166], g[3.001,0.329]
1/1 [=====] - 0s 136ms/step
>562, dr[0.496,1.345], df[0.315,0.155], g[3.494,0.296]
1/1 [=====] - 0s 127ms/step
>563, dr[0.324,0.606], df[0.173,0.157], g[3.243,0.277]
1/1 [=====] - 0s 149ms/step
>564, dr[0.290,0.840], df[0.294,0.422], g[3.007,0.276]
1/1 [=====] - 0s 119ms/step
>565, dr[0.379,1.072], df[0.424,0.320], g[3.160,0.173]
1/1 [=====] - 0s 111ms/step
>566, dr[0.372,0.553], df[0.296,0.100], g[3.396,0.174]
1/1 [=====] - 0s 101ms/step
>567, dr[0.156,0.899], df[0.362,0.103], g[3.913,0.149]
1/1 [=====] - 0s 141ms/step
>568, dr[0.586,1.153], df[0.186,0.092], g[3.131,0.173]
1/1 [=====] - 0s 82ms/step
>569, dr[0.254,1.025], df[0.458,0.118], g[2.785,0.218]
1/1 [=====] - 0s 97ms/step
```

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>570, dr[0.164,0.594], df[0.471,0.103], g[3.758,0.176]
1/1 [=====] - 0s 180ms/step
>571, dr[0.499,0.615], df[0.217,0.138], g[3.359,0.152]
1/1 [=====] - 0s 103ms/step
>572, dr[0.260,1.071], df[0.448,0.121], g[3.061,0.050]
1/1 [=====] - 0s 139ms/step
>573, dr[0.369,0.659], df[0.316,0.135], g[2.585,0.104]
1/1 [=====] - 0s 104ms/step
>574, dr[0.689,0.781], df[0.995,0.076], g[2.025,0.144]
1/1 [=====] - 0s 104ms/step
>575, dr[0.484,1.113], df[0.828,0.071], g[2.968,0.149]
1/1 [=====] - 0s 101ms/step
>576, dr[0.620,1.028], df[0.401,0.042], g[2.156,0.099]
1/1 [=====] - 0s 115ms/step
>577, dr[0.629,0.886], df[0.842,0.144], g[2.169,0.159]
1/1 [=====] - 0s 95ms/step
>578, dr[0.243,0.893], df[0.464,0.164], g[2.566,0.081]
1/1 [=====] - 0s 84ms/step
>579, dr[0.748,0.835], df[0.589,0.126], g[2.352,0.039]
1/1 [=====] - 0s 132ms/step
>580, dr[0.468,0.907], df[0.351,0.055], g[2.362,0.070]
1/1 [=====] - 0s 131ms/step
>581, dr[0.398,0.606], df[0.363,0.169], g[2.318,0.117]
1/1 [=====] - 0s 101ms/step
>582, dr[0.368,0.704], df[0.424,0.067], g[2.428,0.140]
1/1 [=====] - 0s 88ms/step
>583, dr[0.565,1.300], df[0.296,0.184], g[2.318,0.114]
1/1 [=====] - 0s 121ms/step
>584, dr[0.647,1.038], df[0.409,0.153], g[2.188,0.177]
1/1 [=====] - 0s 123ms/step
>585, dr[0.223,0.601], df[0.250,0.114], g[2.561,0.132]
1/1 [=====] - 0s 96ms/step
>586, dr[0.221,1.228], df[0.274,0.282], g[3.147,0.179]
1/1 [=====] - 0s 106ms/step
>587, dr[0.373,1.111], df[0.239,0.256], g[3.006,0.141]
1/1 [=====] - 0s 119ms/step
>588, dr[0.241,1.040], df[0.185,0.090], g[2.764,0.154]
1/1 [=====] - 0s 88ms/step
>589, dr[0.295,0.702], df[0.271,0.131], g[2.423,0.086]
1/1 [=====] - 0s 109ms/step
>590, dr[0.317,0.604], df[0.461,0.099], g[2.555,0.112]
1/1 [=====] - 0s 99ms/step
>591, dr[0.240,0.436], df[0.346,0.106], g[1.993,0.118]
1/1 [=====] - 0s 154ms/step
>592, dr[0.669,0.939], df[0.552,0.072], g[1.815,0.148]
1/1 [=====] - 0s 104ms/step
>593, dr[0.425,0.545], df[0.474,0.079], g[0.861,0.053]
1/1 [=====] - 0s 196ms/step
>594, dr[0.592,0.595], df[0.655,0.221], g[0.740,0.113]
1/1 [=====] - 0s 158ms/step
>595, dr[0.222,0.891], df[0.710,0.096], g[0.809,0.122]
1/1 [=====] - 0s 84ms/step
>596, dr[0.370,0.819], df[0.785,0.097], g[0.948,0.125]
1/1 [=====] - 0s 123ms/step
>597, dr[0.496,0.532], df[0.389,0.117], g[1.065,0.128]
1/1 [=====] - 0s 91ms/step
>598, dr[0.448,0.899], df[0.579,0.115], g[0.688,0.093]
1/1 [=====] - 0s 131ms/step
>599, dr[0.361,0.695], df[0.815,0.133], g[1.059,0.154]
1/1 [=====] - 0s 163ms/step
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>600, dr[0.538,0.773], df[0.174,0.073], g[0.894,0.178]
1/1 [=====] - 0s 143ms/step
>601, dr[1.014,0.431], df[0.749,0.060], g[0.613,0.195]
1/1 [=====] - 0s 148ms/step
>602, dr[0.584,1.079], df[0.385,0.131], g[0.719,0.130]
1/1 [=====] - 0s 91ms/step
>603, dr[0.455,0.492], df[0.410,0.110], g[0.808,0.116]
1/1 [=====] - 0s 134ms/step
>604, dr[0.728,0.982], df[0.577,0.032], g[0.666,0.183]
1/1 [=====] - 0s 108ms/step
>605, dr[0.335,1.050], df[0.236,0.114], g[0.718,0.101]
1/1 [=====] - 0s 108ms/step
>606, dr[0.377,0.684], df[0.287,0.049], g[0.471,0.150]
1/1 [=====] - 0s 109ms/step
>607, dr[0.316,0.612], df[0.370,0.052], g[0.433,0.158]
1/1 [=====] - 0s 117ms/step
>608, dr[0.711,0.471], df[0.452,0.095], g[0.402,0.151]
1/1 [=====] - 0s 117ms/step
>609, dr[0.311,0.917], df[0.315,0.053], g[0.512,0.118]
1/1 [=====] - 0s 86ms/step
>610, dr[0.649,0.709], df[0.391,0.101], g[0.688,0.095]
1/1 [=====] - 0s 100ms/step
>611, dr[0.464,0.592], df[0.399,0.130], g[0.762,0.127]
1/1 [=====] - 0s 145ms/step
>612, dr[0.511,1.249], df[0.178,0.055], g[0.684,0.138]
1/1 [=====] - 0s 98ms/step
>613, dr[0.459,0.979], df[0.440,0.196], g[0.708,0.109]
1/1 [=====] - 0s 181ms/step
>614, dr[0.354,0.894], df[0.362,0.151], g[1.068,0.142]
1/1 [=====] - 0s 108ms/step
>615, dr[0.479,1.746], df[0.256,0.105], g[1.008,0.177]
1/1 [=====] - 0s 123ms/step
>616, dr[0.582,1.093], df[0.397,0.058], g[1.072,0.117]
1/1 [=====] - 0s 154ms/step
>617, dr[0.277,0.643], df[0.314,0.060], g[1.870,0.132]
1/1 [=====] - 0s 105ms/step
>618, dr[0.443,1.462], df[0.104,0.061], g[1.939,0.162]
1/1 [=====] - 0s 95ms/step
>619, dr[0.449,1.204], df[0.407,0.154], g[1.840,0.246]
1/1 [=====] - 0s 101ms/step
>620, dr[0.340,0.609], df[0.123,0.183], g[1.724,0.181]
1/1 [=====] - 0s 124ms/step
>621, dr[0.284,0.861], df[0.264,0.122], g[1.877,0.192]
1/1 [=====] - 0s 107ms/step
>622, dr[0.234,0.683], df[0.242,0.134], g[2.162,0.233]
1/1 [=====] - 0s 101ms/step
>623, dr[0.153,0.656], df[0.135,0.238], g[2.552,0.317]
1/1 [=====] - 0s 101ms/step
>624, dr[0.222,1.115], df[0.170,0.150], g[2.631,0.206]
1/1 [=====] - 0s 103ms/step
>625, dr[0.392,0.360], df[0.126,0.120], g[2.106,0.243]
1/1 [=====] - 0s 105ms/step
>626, dr[0.220,0.813], df[0.323,0.122], g[2.551,0.247]
1/1 [=====] - 0s 90ms/step
>627, dr[0.335,0.732], df[0.361,0.180], g[2.714,0.213]
1/1 [=====] - 0s 105ms/step
>628, dr[0.265,0.927], df[0.155,0.092], g[3.513,0.257]
1/1 [=====] - 0s 108ms/step
>629, dr[0.590,1.492], df[0.209,0.147], g[2.638,0.186]
1/1 [=====] - 0s 104ms/step
```

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>630, dr[0.102,1.043], df[0.480,0.082], g[3.643,0.283]
1/1 [=====] - 0s 118ms/step
>631, dr[0.286,0.971], df[0.103,0.079], g[3.592,0.206]
1/1 [=====] - 0s 89ms/step
>632, dr[0.285,0.789], df[0.222,0.209], g[3.455,0.152]
1/1 [=====] - 0s 101ms/step
>633, dr[0.243,0.711], df[0.267,0.319], g[3.208,0.197]
1/1 [=====] - 0s 133ms/step
>634, dr[0.581,0.467], df[0.364,0.300], g[2.642,0.179]
1/1 [=====] - 0s 112ms/step
>635, dr[0.310,0.679], df[0.204,0.245], g[2.812,0.135]
1/1 [=====] - 0s 113ms/step
>636, dr[0.254,1.208], df[0.411,0.170], g[2.948,0.322]
1/1 [=====] - 0s 108ms/step
>637, dr[0.377,1.595], df[0.350,0.256], g[2.894,0.150]
1/1 [=====] - 0s 110ms/step
>638, dr[0.449,0.470], df[0.239,0.124], g[2.719,0.210]
1/1 [=====] - 0s 107ms/step
>639, dr[0.310,0.723], df[0.951,0.492], g[2.942,0.230]
1/1 [=====] - 0s 102ms/step
>640, dr[0.680,0.633], df[1.323,0.634], g[3.548,0.183]
1/1 [=====] - 0s 102ms/step
>641, dr[0.271,0.425], df[0.127,0.582], g[3.690,0.363]
1/1 [=====] - 0s 103ms/step
>642, dr[0.408,0.811], df[0.142,0.357], g[2.976,0.226]
1/1 [=====] - 0s 105ms/step
>643, dr[0.327,1.320], df[0.201,0.198], g[2.241,0.161]
1/1 [=====] - 0s 102ms/step
>644, dr[0.084,1.251], df[0.711,0.216], g[2.305,0.125]
1/1 [=====] - 0s 94ms/step
>645, dr[0.142,0.816], df[0.344,0.164], g[3.429,0.179]
1/1 [=====] - 0s 100ms/step
>646, dr[0.581,0.966], df[0.381,0.212], g[3.476,0.200]
1/1 [=====] - 0s 100ms/step
>647, dr[0.522,0.302], df[0.136,0.100], g[3.136,0.116]
1/1 [=====] - 0s 104ms/step
>648, dr[0.552,0.686], df[0.236,0.155], g[2.829,0.082]
1/1 [=====] - 0s 104ms/step
>649, dr[0.257,1.373], df[0.354,0.273], g[2.770,0.146]
1/1 [=====] - 0s 105ms/step
>650, dr[0.341,0.651], df[0.147,0.105], g[2.825,0.127]
1/1 [=====] - 0s 102ms/step
>651, dr[0.599,0.824], df[0.420,0.179], g[2.328,0.123]
1/1 [=====] - 0s 101ms/step
>652, dr[0.134,0.571], df[0.228,0.061], g[2.356,0.093]
1/1 [=====] - 0s 109ms/step
>653, dr[0.272,1.259], df[0.513,0.243], g[2.190,0.113]
1/1 [=====] - 0s 97ms/step
>654, dr[0.243,1.024], df[0.332,0.136], g[2.441,0.135]
1/1 [=====] - 0s 95ms/step
>655, dr[0.338,1.267], df[0.498,0.204], g[2.212,0.181]
1/1 [=====] - 0s 111ms/step
>656, dr[0.299,0.740], df[0.114,0.143], g[1.480,0.166]
1/1 [=====] - 0s 114ms/step
>657, dr[0.199,0.855], df[0.146,0.197], g[1.361,0.147]
1/1 [=====] - 0s 102ms/step
>658, dr[0.093,1.694], df[0.223,0.126], g[1.014,0.153]
1/1 [=====] - 0s 109ms/step
>659, dr[0.162,0.726], df[0.283,0.097], g[1.519,0.151]
1/1 [=====] - 0s 118ms/step
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>660, dr[0.192,0.978], df[0.295,0.175], g[1.153,0.252]
1/1 [=====] - 0s 118ms/step
>661, dr[0.675,0.587], df[0.231,0.128], g[0.743,0.248]
1/1 [=====] - 0s 111ms/step
>662, dr[0.141,0.506], df[0.507,0.062], g[0.808,0.245]
1/1 [=====] - 0s 117ms/step
>663, dr[0.246,0.758], df[0.579,0.071], g[1.653,0.275]
1/1 [=====] - 0s 113ms/step
>664, dr[0.749,0.896], df[0.401,0.118], g[1.144,0.094]
1/1 [=====] - 0s 104ms/step
>665, dr[0.493,0.961], df[0.803,0.171], g[1.765,0.347]
1/1 [=====] - 0s 108ms/step
>666, dr[1.122,0.860], df[0.534,0.321], g[1.063,0.279]
1/1 [=====] - 0s 102ms/step
>667, dr[0.718,0.981], df[1.043,0.254], g[1.516,0.179]
1/1 [=====] - 0s 101ms/step
>668, dr[0.324,0.521], df[0.336,0.108], g[2.392,0.248]
1/1 [=====] - 0s 99ms/step
>669, dr[0.654,0.684], df[0.426,0.111], g[1.935,0.209]
1/1 [=====] - 0s 100ms/step
>670, dr[0.370,0.839], df[0.347,0.135], g[2.365,0.101]
1/1 [=====] - 0s 98ms/step
>671, dr[0.571,1.091], df[0.318,0.103], g[1.765,0.105]
1/1 [=====] - 0s 98ms/step
>672, dr[0.461,0.954], df[0.560,0.290], g[1.701,0.136]
1/1 [=====] - 0s 102ms/step
>673, dr[0.079,0.800], df[0.211,0.074], g[2.238,0.140]
1/1 [=====] - 0s 96ms/step
>674, dr[0.605,1.237], df[0.189,0.052], g[1.747,0.135]
1/1 [=====] - 0s 96ms/step
>675, dr[0.192,0.901], df[0.381,0.077], g[1.808,0.113]
1/1 [=====] - 0s 95ms/step
>676, dr[0.317,0.964], df[0.242,0.192], g[2.625,0.110]
1/1 [=====] - 0s 110ms/step
>677, dr[0.343,0.896], df[0.323,0.104], g[1.947,0.094]
1/1 [=====] - 0s 222ms/step
>678, dr[0.270,0.636], df[0.286,0.055], g[2.717,0.162]
1/1 [=====] - 0s 96ms/step
>679, dr[0.203,0.694], df[0.279,0.113], g[2.679,0.082]
1/1 [=====] - 0s 103ms/step
>680, dr[0.162,0.787], df[0.114,0.202], g[2.526,0.092]
1/1 [=====] - 0s 137ms/step
>681, dr[0.327,0.893], df[0.249,0.203], g[2.233,0.221]
1/1 [=====] - 0s 99ms/step
>682, dr[0.365,0.513], df[0.362,0.040], g[2.855,0.148]
1/1 [=====] - 0s 119ms/step
>683, dr[0.093,1.003], df[0.144,0.037], g[3.092,0.133]
1/1 [=====] - 0s 90ms/step
>684, dr[0.275,0.603], df[0.210,0.132], g[2.504,0.134]
1/1 [=====] - 0s 93ms/step
>685, dr[0.423,0.596], df[0.117,0.092], g[2.102,0.163]
1/1 [=====] - 0s 101ms/step
>686, dr[0.150,0.702], df[0.213,0.100], g[2.304,0.100]
1/1 [=====] - 0s 101ms/step
>687, dr[0.092,0.887], df[0.174,0.104], g[2.651,0.199]
1/1 [=====] - 0s 91ms/step
>688, dr[0.193,0.791], df[0.124,0.074], g[3.238,0.102]
1/1 [=====] - 0s 94ms/step
>689, dr[0.240,0.446], df[0.121,0.185], g[2.817,0.220]
1/1 [=====] - 0s 117ms/step
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>690, dr[0.090,0.791], df[0.073,0.159], g[3.112,0.147]
1/1 [=====] - 0s 97ms/step
>691, dr[0.149,0.879], df[0.202,0.030], g[3.157,0.125]
1/1 [=====] - 0s 92ms/step
>692, dr[0.142,1.365], df[0.125,0.106], g[2.733,0.133]
1/1 [=====] - 0s 117ms/step
>693, dr[0.382,1.013], df[0.398,0.086], g[2.920,0.146]
1/1 [=====] - 0s 93ms/step
>694, dr[0.283,1.362], df[0.242,0.240], g[3.370,0.118]
1/1 [=====] - 0s 98ms/step
>695, dr[0.165,0.760], df[0.214,0.236], g[3.725,0.156]
1/1 [=====] - 0s 90ms/step
>696, dr[0.136,0.881], df[0.061,0.045], g[3.506,0.171]
1/1 [=====] - 0s 105ms/step
>697, dr[0.124,1.112], df[0.115,0.117], g[3.587,0.224]
1/1 [=====] - 0s 103ms/step
>698, dr[0.109,0.787], df[0.154,0.121], g[3.420,0.116]
1/1 [=====] - 0s 114ms/step
>699, dr[0.120,0.571], df[0.109,0.332], g[3.611,0.220]
1/1 [=====] - 0s 120ms/step
>700, dr[0.246,0.562], df[0.158,0.181], g[3.582,0.229]
1/1 [=====] - 0s 129ms/step
>701, dr[0.139,1.011], df[0.080,0.140], g[3.525,0.093]
1/1 [=====] - 0s 135ms/step
>702, dr[0.115,0.611], df[0.090,0.180], g[3.193,0.361]
1/1 [=====] - 0s 107ms/step
>703, dr[0.180,0.893], df[0.205,0.215], g[2.999,0.126]
1/1 [=====] - 0s 105ms/step
>704, dr[0.103,0.724], df[0.054,0.038], g[2.820,0.091]
1/1 [=====] - 0s 114ms/step
>705, dr[0.172,0.641], df[0.175,0.109], g[3.091,0.071]
1/1 [=====] - 0s 138ms/step
>706, dr[0.041,1.044], df[0.122,0.153], g[2.953,0.194]
1/1 [=====] - 0s 102ms/step
>707, dr[0.140,0.781], df[0.181,0.100], g[2.577,0.051]
1/1 [=====] - 0s 131ms/step
>708, dr[0.261,0.545], df[0.238,0.092], g[3.228,0.159]
1/1 [=====] - 0s 101ms/step
>709, dr[0.178,1.089], df[0.099,0.081], g[3.281,0.152]
1/1 [=====] - 0s 129ms/step
>710, dr[0.040,0.787], df[0.193,0.177], g[3.663,0.128]
1/1 [=====] - 0s 105ms/step
>711, dr[0.126,0.978], df[0.071,0.124], g[3.792,0.192]
1/1 [=====] - 0s 93ms/step
>712, dr[0.091,0.390], df[0.087,0.347], g[3.768,0.107]
1/1 [=====] - 0s 112ms/step
>713, dr[0.102,0.524], df[0.116,0.110], g[3.638,0.148]
1/1 [=====] - 0s 96ms/step
>714, dr[0.070,0.970], df[0.080,0.068], g[3.545,0.164]
1/1 [=====] - 0s 141ms/step
>715, dr[0.326,0.652], df[0.109,0.189], g[2.727,0.209]
1/1 [=====] - 0s 120ms/step
>716, dr[0.111,0.969], df[0.090,0.179], g[2.585,0.101]
1/1 [=====] - 0s 102ms/step
>717, dr[0.190,0.483], df[0.156,0.133], g[2.926,0.226]
1/1 [=====] - 0s 115ms/step
>718, dr[0.095,0.522], df[0.217,0.117], g[2.673,0.079]
1/1 [=====] - 0s 88ms/step
>719, dr[0.113,0.765], df[0.134,0.241], g[2.503,0.162]
1/1 [=====] - 0s 94ms/step
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>720, dr[0.149,0.721], df[0.699,0.044], g[2.684,0.096]
1/1 [=====] - 0s 97ms/step
>721, dr[0.173,0.891], df[0.344,0.055], g[3.417,0.156]
1/1 [=====] - 0s 119ms/step
>722, dr[0.350,0.576], df[0.394,0.077], g[3.645,0.045]
1/1 [=====] - 0s 104ms/step
>723, dr[0.274,0.812], df[0.263,0.157], g[3.141,0.058]
1/1 [=====] - 0s 94ms/step
>724, dr[0.359,1.005], df[0.304,0.060], g[2.610,0.137]
1/1 [=====] - 0s 107ms/step
>725, dr[0.137,0.994], df[0.242,0.041], g[2.857,0.064]
1/1 [=====] - 0s 128ms/step
>726, dr[0.229,1.055], df[0.209,0.146], g[2.555,0.058]
1/1 [=====] - 0s 107ms/step
>727, dr[0.100,0.692], df[0.168,0.048], g[2.341,0.150]
1/1 [=====] - 0s 98ms/step
>728, dr[0.224,1.111], df[0.353,0.056], g[2.935,0.085]
1/1 [=====] - 0s 113ms/step
>729, dr[0.382,1.242], df[0.313,0.133], g[3.188,0.128]
1/1 [=====] - 0s 97ms/step
>730, dr[0.292,0.687], df[0.215,0.078], g[2.859,0.130]
1/1 [=====] - 0s 88ms/step
>731, dr[0.308,0.678], df[0.202,0.165], g[2.271,0.183]
1/1 [=====] - 0s 133ms/step
>732, dr[0.366,0.507], df[0.360,0.155], g[2.381,0.173]
1/1 [=====] - 0s 89ms/step
>733, dr[0.196,0.842], df[0.201,0.070], g[2.977,0.078]
1/1 [=====] - 0s 113ms/step
>734, dr[0.243,0.541], df[0.288,0.059], g[2.107,0.076]
1/1 [=====] - 0s 128ms/step
>735, dr[0.284,0.664], df[0.264,0.080], g[2.352,0.054]
1/1 [=====] - 0s 104ms/step
>736, dr[0.392,0.285], df[0.377,0.039], g[1.824,0.056]
1/1 [=====] - 0s 109ms/step
>737, dr[0.238,1.280], df[0.616,0.016], g[2.516,0.040]
1/1 [=====] - 0s 103ms/step
>738, dr[0.462,0.796], df[0.654,0.049], g[2.437,0.050]
1/1 [=====] - 0s 92ms/step
>739, dr[0.473,0.309], df[0.343,0.101], g[2.136,0.056]
1/1 [=====] - 0s 200ms/step
>740, dr[0.236,0.379], df[0.297,0.021], g[2.185,0.034]
1/1 [=====] - 0s 136ms/step
>741, dr[0.391,0.944], df[0.413,0.026], g[1.911,0.032]
1/1 [=====] - 0s 104ms/step
>742, dr[0.462,0.415], df[0.189,0.013], g[1.363,0.034]
1/1 [=====] - 0s 96ms/step
>743, dr[0.619,0.655], df[0.439,0.048], g[1.426,0.031]
1/1 [=====] - 0s 99ms/step
>744, dr[0.287,0.663], df[0.571,0.032], g[1.908,0.055]
1/1 [=====] - 0s 141ms/step
>745, dr[0.538,0.893], df[0.125,0.074], g[1.594,0.054]
1/1 [=====] - 0s 97ms/step
>746, dr[0.375,0.545], df[0.230,0.052], g[1.460,0.034]
1/1 [=====] - 0s 141ms/step
>747, dr[0.301,1.157], df[0.399,0.057], g[1.424,0.079]
1/1 [=====] - 0s 102ms/step
>748, dr[0.254,0.456], df[0.179,0.031], g[1.506,0.069]
1/1 [=====] - 0s 142ms/step
>749, dr[0.217,0.894], df[0.231,0.021], g[1.790,0.036]
1/1 [=====] - 0s 96ms/step
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>750, dr[0.300,0.883], df[0.339,0.018], g[1.968,0.044]
1/1 [=====] - 0s 117ms/step
>751, dr[0.822,0.878], df[0.487,0.037], g[1.800,0.093]
1/1 [=====] - 0s 137ms/step
>752, dr[0.403,0.749], df[0.561,0.040], g[3.175,0.050]
1/1 [=====] - 0s 91ms/step
>753, dr[0.594,0.656], df[0.107,0.087], g[2.509,0.036]
1/1 [=====] - 0s 130ms/step
>754, dr[0.224,0.587], df[0.164,0.113], g[1.734,0.105]
1/1 [=====] - 0s 128ms/step
>755, dr[0.108,0.642], df[0.344,0.083], g[2.259,0.053]
1/1 [=====] - 0s 97ms/step
>756, dr[0.106,1.096], df[0.092,0.175], g[2.327,0.124]
1/1 [=====] - 0s 126ms/step
>757, dr[0.312,0.493], df[0.225,0.228], g[2.273,0.056]
1/1 [=====] - 0s 172ms/step
>758, dr[0.162,0.739], df[0.079,0.124], g[1.884,0.087]
1/1 [=====] - 0s 142ms/step
>759, dr[0.208,1.039], df[0.249,0.056], g[1.463,0.081]
1/1 [=====] - 0s 126ms/step
>760, dr[0.183,0.686], df[0.220,0.060], g[1.917,0.148]
1/1 [=====] - 0s 115ms/step
>761, dr[0.117,0.589], df[0.156,0.060], g[1.631,0.153]
1/1 [=====] - 0s 133ms/step
>762, dr[0.521,0.785], df[0.290,0.085], g[2.295,0.049]
1/1 [=====] - 0s 116ms/step
>763, dr[0.175,0.908], df[0.347,0.180], g[2.594,0.026]
1/1 [=====] - 0s 128ms/step
>764, dr[0.458,0.723], df[0.199,0.084], g[2.430,0.127]
1/1 [=====] - 0s 95ms/step
>765, dr[0.474,1.412], df[0.394,0.029], g[2.212,0.108]
1/1 [=====] - 0s 104ms/step
>766, dr[0.262,0.846], df[0.404,0.049], g[2.574,0.077]
1/1 [=====] - 0s 89ms/step
>767, dr[0.446,1.015], df[0.161,0.047], g[2.310,0.105]
1/1 [=====] - 0s 162ms/step
>768, dr[0.127,0.284], df[0.335,0.045], g[2.571,0.055]
1/1 [=====] - 0s 88ms/step
>769, dr[0.194,0.810], df[0.178,0.021], g[3.189,0.073]
1/1 [=====] - 0s 99ms/step
>770, dr[0.146,0.403], df[0.207,0.069], g[3.059,0.141]
1/1 [=====] - 0s 92ms/step
>771, dr[0.523,1.172], df[0.233,0.062], g[2.034,0.132]
1/1 [=====] - 0s 91ms/step
>772, dr[0.239,1.373], df[0.536,0.043], g[3.196,0.054]
1/1 [=====] - 0s 100ms/step
>773, dr[0.254,0.613], df[0.193,0.115], g[2.819,0.039]
1/1 [=====] - 0s 101ms/step
>774, dr[0.174,0.765], df[0.280,0.057], g[3.300,0.084]
1/1 [=====] - 0s 147ms/step
>775, dr[0.492,1.008], df[0.197,0.035], g[2.644,0.112]
1/1 [=====] - 0s 112ms/step
>776, dr[0.193,1.060], df[0.282,0.063], g[2.564,0.174]
1/1 [=====] - 0s 110ms/step
>777, dr[0.135,1.066], df[0.177,0.107], g[2.977,0.255]
1/1 [=====] - 0s 107ms/step
>778, dr[0.508,0.651], df[0.476,0.059], g[2.494,0.161]
1/1 [=====] - 0s 108ms/step
>779, dr[0.511,0.893], df[0.343,0.068], g[2.010,0.057]
1/1 [=====] - 0s 118ms/step
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>780, dr[0.314,0.757], df[0.480,0.039], g[2.548,0.061]
1/1 [=====] - 0s 87ms/step
>781, dr[0.229,0.363], df[0.467,0.120], g[3.435,0.076]
1/1 [=====] - 0s 103ms/step
>782, dr[0.802,0.631], df[0.338,0.090], g[2.238,0.121]
1/1 [=====] - 0s 130ms/step
>783, dr[0.944,0.946], df[0.690,0.040], g[1.907,0.134]
1/1 [=====] - 0s 108ms/step
>784, dr[0.203,0.794], df[0.342,0.075], g[2.379,0.143]
1/1 [=====] - 0s 106ms/step
>785, dr[0.393,1.223], df[0.265,0.045], g[2.352,0.131]
1/1 [=====] - 0s 124ms/step
>786, dr[0.477,0.300], df[0.480,0.018], g[1.819,0.132]
1/1 [=====] - 0s 109ms/step
>787, dr[0.592,0.791], df[0.721,0.077], g[1.723,0.070]
1/1 [=====] - 0s 125ms/step
>788, dr[0.101,0.973], df[0.729,0.241], g[2.341,0.035]
1/1 [=====] - 0s 134ms/step
>789, dr[0.297,0.993], df[0.218,0.154], g[2.351,0.047]
1/1 [=====] - 0s 95ms/step
>790, dr[0.512,0.653], df[0.293,0.259], g[1.714,0.066]
1/1 [=====] - 0s 117ms/step
>791, dr[0.357,0.520], df[0.407,0.137], g[2.060,0.049]
1/1 [=====] - 0s 108ms/step
>792, dr[0.186,1.046], df[0.496,0.032], g[2.381,0.023]
1/1 [=====] - 0s 111ms/step
>793, dr[0.319,0.754], df[0.306,0.082], g[2.414,0.074]
1/1 [=====] - 0s 108ms/step
>794, dr[0.517,0.916], df[0.811,0.056], g[2.660,0.089]
1/1 [=====] - 0s 101ms/step
>795, dr[0.514,0.615], df[0.254,0.042], g[2.051,0.052]
1/1 [=====] - 0s 100ms/step
>796, dr[0.348,0.950], df[0.583,0.035], g[3.877,0.116]
1/1 [=====] - 0s 113ms/step
>797, dr[1.254,1.163], df[0.284,0.154], g[1.949,0.083]
1/1 [=====] - 0s 153ms/step
>798, dr[0.456,0.589], df[0.474,0.087], g[2.298,0.225]
1/1 [=====] - 0s 156ms/step
>799, dr[0.258,1.222], df[0.352,0.057], g[1.973,0.064]
1/1 [=====] - 0s 106ms/step
>800, dr[0.395,0.548], df[0.393,0.060], g[2.028,0.048]
1/1 [=====] - 0s 110ms/step
>801, dr[0.313,0.513], df[0.425,0.018], g[2.127,0.036]
1/1 [=====] - 0s 146ms/step
>802, dr[0.421,0.505], df[0.628,0.084], g[1.755,0.033]
1/1 [=====] - 0s 153ms/step
>803, dr[0.235,0.791], df[0.303,0.065], g[2.343,0.042]
1/1 [=====] - 0s 118ms/step
>804, dr[0.289,0.539], df[0.181,0.062], g[2.062,0.041]
1/1 [=====] - 0s 112ms/step
>805, dr[0.189,0.767], df[0.312,0.068], g[1.963,0.043]
1/1 [=====] - 0s 164ms/step
>806, dr[0.346,0.887], df[0.208,0.145], g[2.149,0.057]
1/1 [=====] - 0s 156ms/step
>807, dr[0.340,0.822], df[0.268,0.141], g[1.781,0.063]
1/1 [=====] - 0s 98ms/step
>808, dr[0.268,0.843], df[0.714,0.169], g[2.696,0.042]
1/1 [=====] - 0s 120ms/step
>809, dr[0.354,0.632], df[0.094,0.042], g[3.129,0.059]
1/1 [=====] - 0s 96ms/step
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>810, dr[0.443,0.707], df[0.155,0.131], g[1.949,0.081]
1/1 [=====] - 0s 106ms/step
>811, dr[0.183,0.391], df[0.596,0.058], g[2.961,0.041]
1/1 [=====] - 0s 95ms/step
>812, dr[0.571,0.763], df[0.205,0.088], g[3.693,0.114]
1/1 [=====] - 0s 102ms/step
>813, dr[0.303,0.973], df[0.165,0.072], g[3.710,0.047]
1/1 [=====] - 0s 94ms/step
>814, dr[0.230,0.864], df[0.122,0.026], g[2.594,0.068]
1/1 [=====] - 0s 108ms/step
>815, dr[0.282,1.306], df[0.342,0.031], g[2.656,0.082]
1/1 [=====] - 0s 109ms/step
>816, dr[0.190,0.736], df[0.188,0.023], g[3.051,0.129]
1/1 [=====] - 0s 111ms/step
>817, dr[0.346,0.621], df[0.298,0.038], g[2.927,0.088]
1/1 [=====] - 0s 115ms/step
>818, dr[0.276,0.711], df[0.254,0.093], g[2.661,0.068]
1/1 [=====] - 0s 119ms/step
>819, dr[0.077,0.751], df[0.280,0.035], g[3.114,0.054]
1/1 [=====] - 0s 109ms/step
>820, dr[0.407,0.800], df[0.482,0.102], g[2.744,0.066]
1/1 [=====] - 0s 105ms/step
>821, dr[0.209,1.126], df[0.395,0.095], g[2.735,0.012]
1/1 [=====] - 0s 112ms/step
>822, dr[0.323,0.737], df[0.302,0.031], g[1.963,0.019]
1/1 [=====] - 0s 95ms/step
>823, dr[0.163,0.480], df[0.429,0.015], g[2.749,0.033]
1/1 [=====] - 0s 98ms/step
>824, dr[0.451,0.867], df[0.440,0.050], g[2.930,0.054]
1/1 [=====] - 0s 96ms/step
>825, dr[0.591,1.031], df[0.210,0.025], g[2.301,0.058]
1/1 [=====] - 0s 99ms/step
>826, dr[0.481,0.661], df[0.498,0.038], g[2.300,0.112]
1/1 [=====] - 0s 94ms/step
>827, dr[0.250,0.935], df[0.290,0.055], g[2.374,0.054]
1/1 [=====] - 0s 99ms/step
>828, dr[0.361,0.898], df[0.265,0.031], g[2.171,0.031]
1/1 [=====] - 0s 116ms/step
>829, dr[0.194,0.483], df[0.227,0.038], g[2.319,0.036]
1/1 [=====] - 0s 102ms/step
>830, dr[0.220,0.819], df[0.340,0.066], g[2.411,0.042]
1/1 [=====] - 0s 101ms/step
>831, dr[0.318,0.706], df[0.393,0.028], g[2.756,0.039]
1/1 [=====] - 0s 96ms/step
>832, dr[0.245,0.718], df[0.185,0.049], g[2.660,0.079]
1/1 [=====] - 0s 96ms/step
>833, dr[0.329,1.440], df[0.246,0.045], g[2.009,0.039]
1/1 [=====] - 0s 109ms/step
>834, dr[0.275,0.608], df[0.430,0.024], g[1.844,0.037]
1/1 [=====] - 0s 167ms/step
>835, dr[0.156,0.541], df[0.461,0.021], g[2.426,0.029]
1/1 [=====] - 0s 202ms/step
>836, dr[0.465,0.543], df[0.336,0.036], g[2.451,0.055]
1/1 [=====] - 0s 113ms/step
>837, dr[0.418,0.483], df[0.653,0.052], g[2.772,0.033]
1/1 [=====] - 0s 111ms/step
>838, dr[0.421,0.888], df[0.258,0.042], g[2.409,0.046]
1/1 [=====] - 0s 104ms/step
>839, dr[0.386,1.005], df[0.218,0.042], g[2.075,0.039]
1/1 [=====] - 0s 116ms/step
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>840, dr[0.309,0.646], df[0.238,0.042], g[2.201,0.042]
1/1 [=====] - 0s 109ms/step
>841, dr[0.251,0.626], df[0.568,0.025], g[2.504,0.070]
1/1 [=====] - 0s 125ms/step
>842, dr[0.477,0.807], df[0.484,0.026], g[2.073,0.038]
1/1 [=====] - 0s 104ms/step
>843, dr[0.380,0.480], df[0.298,0.081], g[2.332,0.087]
1/1 [=====] - 0s 117ms/step
>844, dr[0.370,0.758], df[0.410,0.075], g[2.075,0.062]
1/1 [=====] - 0s 128ms/step
>845, dr[0.525,0.824], df[0.441,0.048], g[2.393,0.050]
1/1 [=====] - 0s 107ms/step
>846, dr[0.710,0.840], df[0.336,0.056], g[1.378,0.036]
1/1 [=====] - 0s 95ms/step
>847, dr[0.224,0.604], df[0.688,0.151], g[2.101,0.078]
1/1 [=====] - 0s 90ms/step
>848, dr[0.576,0.765], df[0.289,0.023], g[2.294,0.053]
1/1 [=====] - 0s 103ms/step
>849, dr[0.225,0.521], df[0.326,0.049], g[3.308,0.075]
1/1 [=====] - 0s 98ms/step
>850, dr[0.488,0.959], df[0.364,0.132], g[2.413,0.076]
1/1 [=====] - 0s 115ms/step
>851, dr[0.859,0.538], df[0.750,0.092], g[2.259,0.094]
1/1 [=====] - 0s 100ms/step
>852, dr[0.815,0.514], df[0.463,0.081], g[2.153,0.041]
1/1 [=====] - 0s 86ms/step
>853, dr[0.513,0.797], df[0.348,0.017], g[2.089,0.030]
1/1 [=====] - 0s 101ms/step
>854, dr[0.398,0.390], df[0.254,0.028], g[2.213,0.064]
1/1 [=====] - 0s 110ms/step
>855, dr[0.233,0.593], df[0.679,0.100], g[2.030,0.063]
1/1 [=====] - 0s 125ms/step
>856, dr[0.220,0.420], df[0.176,0.113], g[2.856,0.058]
1/1 [=====] - 0s 160ms/step
>857, dr[0.324,0.972], df[0.204,0.054], g[2.579,0.066]
1/1 [=====] - 0s 93ms/step
>858, dr[0.599,0.471], df[0.396,0.046], g[1.752,0.037]
1/1 [=====] - 0s 130ms/step
>859, dr[0.222,0.327], df[0.403,0.046], g[2.238,0.048]
1/1 [=====] - 0s 107ms/step
>860, dr[0.424,1.098], df[0.550,0.030], g[2.397,0.036]
1/1 [=====] - 0s 108ms/step
>861, dr[0.384,0.746], df[0.392,0.055], g[2.697,0.082]
1/1 [=====] - 0s 90ms/step
>862, dr[0.421,0.610], df[0.164,0.020], g[2.165,0.066]
1/1 [=====] - 0s 88ms/step
>863, dr[0.426,0.794], df[0.202,0.027], g[2.490,0.040]
1/1 [=====] - 0s 94ms/step
>864, dr[0.166,0.542], df[0.595,0.041], g[2.710,0.117]
1/1 [=====] - 0s 103ms/step
>865, dr[0.785,0.500], df[0.163,0.050], g[2.347,0.029]
1/1 [=====] - 0s 170ms/step
>866, dr[0.303,0.793], df[0.525,0.047], g[1.671,0.042]
1/1 [=====] - 0s 104ms/step
>867, dr[0.330,0.551], df[0.263,0.025], g[2.183,0.039]
1/1 [=====] - 0s 134ms/step
>868, dr[0.500,0.934], df[0.336,0.048], g[1.747,0.082]
1/1 [=====] - 0s 92ms/step
>869, dr[0.315,0.891], df[0.478,0.063], g[2.015,0.042]
1/1 [=====] - 0s 108ms/step
```

```
>870, dr[0.425,0.774], df[0.422,0.049], g[2.247,0.057]
1/1 [=====] - 0s 115ms/step
>871, dr[0.620,0.607], df[0.364,0.026], g[1.824,0.096]
1/1 [=====] - 0s 96ms/step
>872, dr[0.186,0.983], df[0.480,0.097], g[2.847,0.057]
1/1 [=====] - 0s 139ms/step
>873, dr[0.320,0.764], df[0.196,0.050], g[2.706,0.076]
1/1 [=====] - 0s 102ms/step
>874, dr[0.353,0.835], df[0.278,0.050], g[2.884,0.074]
1/1 [=====] - 0s 131ms/step
>875, dr[0.072,0.905], df[0.265,0.113], g[2.250,0.089]
1/1 [=====] - 0s 87ms/step
>876, dr[0.368,1.045], df[0.410,0.014], g[2.672,0.024]
1/1 [=====] - 0s 101ms/step
>877, dr[0.359,0.402], df[0.183,0.030], g[1.750,0.031]
1/1 [=====] - 0s 94ms/step
>878, dr[0.285,0.697], df[0.302,0.059], g[2.136,0.045]
1/1 [=====] - 0s 92ms/step
>879, dr[0.200,1.032], df[0.320,0.029], g[2.283,0.051]
1/1 [=====] - 0s 109ms/step
>880, dr[0.184,1.233], df[0.159,0.023], g[2.007,0.021]
1/1 [=====] - 0s 94ms/step
>881, dr[0.385,0.427], df[0.299,0.068], g[1.745,0.081]
1/1 [=====] - 0s 106ms/step
>882, dr[0.339,0.409], df[0.954,0.062], g[2.460,0.087]
1/1 [=====] - 0s 102ms/step
>883, dr[0.485,0.627], df[0.060,0.136], g[2.290,0.083]
1/1 [=====] - 0s 99ms/step
>884, dr[0.387,0.314], df[0.624,0.040], g[2.102,0.126]
1/1 [=====] - 0s 97ms/step
>885, dr[0.456,0.413], df[0.277,0.090], g[1.540,0.050]
1/1 [=====] - 0s 96ms/step
>886, dr[0.386,1.027], df[0.632,0.103], g[1.905,0.045]
1/1 [=====] - 0s 89ms/step
>887, dr[0.200,0.412], df[0.187,0.042], g[1.931,0.057]
1/1 [=====] - 0s 93ms/step
>888, dr[0.373,0.463], df[0.390,0.113], g[1.509,0.096]
1/1 [=====] - 0s 152ms/step
>889, dr[0.343,0.600], df[0.219,0.036], g[1.248,0.044]
1/1 [=====] - 0s 118ms/step
>890, dr[0.378,0.347], df[0.643,0.038], g[1.751,0.038]
1/1 [=====] - 0s 93ms/step
>891, dr[0.635,1.117], df[0.455,0.030], g[1.288,0.039]
1/1 [=====] - 0s 102ms/step
>892, dr[0.189,0.513], df[0.427,0.026], g[1.629,0.067]
1/1 [=====] - 0s 91ms/step
>893, dr[0.425,0.758], df[0.439,0.125], g[2.148,0.056]
1/1 [=====] - 0s 91ms/step
>894, dr[0.254,0.813], df[0.516,0.082], g[2.910,0.055]
1/1 [=====] - 0s 88ms/step
>895, dr[0.432,0.601], df[0.245,0.013], g[2.330,0.065]
1/1 [=====] - 0s 149ms/step
>896, dr[0.189,0.390], df[0.153,0.086], g[2.169,0.044]
1/1 [=====] - 0s 117ms/step
>897, dr[0.158,0.422], df[0.300,0.027], g[2.587,0.035]
1/1 [=====] - 0s 96ms/step
>898, dr[0.503,0.596], df[0.299,0.033], g[2.062,0.061]
1/1 [=====] - 0s 99ms/step
>899, dr[0.146,0.741], df[0.172,0.071], g[1.876,0.043]
1/1 [=====] - 0s 111ms/step
```

```
>900, dr[0.406,0.629], df[0.556,0.027], g[2.244,0.077]
1/1 [=====] - 0s 99ms/step
>901, dr[0.435,0.627], df[0.312,0.048], g[2.087,0.087]
1/1 [=====] - 0s 94ms/step
>902, dr[0.486,0.568], df[0.274,0.072], g[1.939,0.037]
1/1 [=====] - 0s 177ms/step
>903, dr[0.146,0.360], df[0.198,0.066], g[2.397,0.152]
1/1 [=====] - 0s 88ms/step
>904, dr[0.555,0.534], df[0.548,0.058], g[2.151,0.098]
1/1 [=====] - 0s 97ms/step
>905, dr[0.431,0.783], df[0.415,0.097], g[2.513,0.048]
1/1 [=====] - 0s 181ms/step
>906, dr[0.394,0.685], df[0.467,0.087], g[3.188,0.108]
1/1 [=====] - 0s 102ms/step
>907, dr[0.323,0.404], df[0.248,0.177], g[2.106,0.107]
1/1 [=====] - 0s 96ms/step
>908, dr[0.296,0.924], df[0.812,0.041], g[3.954,0.061]
1/1 [=====] - 0s 126ms/step
>909, dr[0.305,0.753], df[0.240,0.028], g[3.709,0.037]
1/1 [=====] - 0s 114ms/step
>910, dr[0.426,0.781], df[0.208,0.036], g[2.189,0.037]
1/1 [=====] - 0s 97ms/step
>911, dr[0.345,0.661], df[0.365,0.067], g[1.751,0.040]
1/1 [=====] - 0s 127ms/step
>912, dr[0.079,0.815], df[0.474,0.023], g[2.894,0.039]
1/1 [=====] - 0s 96ms/step
>913, dr[0.569,0.735], df[0.152,0.094], g[2.163,0.019]
1/1 [=====] - 0s 150ms/step
>914, dr[0.148,0.708], df[0.315,0.023], g[1.446,0.051]
1/1 [=====] - 0s 98ms/step
>915, dr[0.186,0.938], df[0.340,0.053], g[1.863,0.141]
1/1 [=====] - 0s 98ms/step
>916, dr[0.636,0.640], df[0.240,0.060], g[1.698,0.134]
1/1 [=====] - 0s 88ms/step
>917, dr[0.431,0.712], df[0.230,0.105], g[1.524,0.085]
1/1 [=====] - 0s 113ms/step
>918, dr[0.153,0.391], df[1.008,0.046], g[3.816,0.060]
1/1 [=====] - 0s 142ms/step
>919, dr[0.620,0.689], df[0.045,0.056], g[2.685,0.043]
1/1 [=====] - 0s 119ms/step
>920, dr[0.495,0.812], df[0.348,0.094], g[2.531,0.095]
1/1 [=====] - 0s 97ms/step
>921, dr[0.278,0.516], df[0.303,0.034], g[1.629,0.050]
1/1 [=====] - 0s 91ms/step
>922, dr[0.188,0.361], df[0.368,0.077], g[1.368,0.107]
1/1 [=====] - 0s 100ms/step
>923, dr[0.343,0.828], df[0.324,0.041], g[2.109,0.036]
1/1 [=====] - 0s 129ms/step
>924, dr[0.477,0.562], df[0.656,0.080], g[1.014,0.035]
1/1 [=====] - 0s 88ms/step
>925, dr[0.277,0.639], df[0.546,0.052], g[1.518,0.046]
1/1 [=====] - 0s 124ms/step
>926, dr[0.317,0.234], df[0.551,0.021], g[2.265,0.032]
1/1 [=====] - 0s 183ms/step
>927, dr[0.455,0.516], df[0.225,0.048], g[1.875,0.120]
1/1 [=====] - 0s 162ms/step
>928, dr[0.177,0.510], df[0.273,0.021], g[2.190,0.037]
1/1 [=====] - 0s 93ms/step
>929, dr[0.209,0.653], df[0.293,0.025], g[2.351,0.043]
1/1 [=====] - 0s 99ms/step
```

```

>930, dr[0.843,0.787], df[0.286,0.031], g[1.424,0.067]
1/1 [=====] - 0s 102ms/step
>931, dr[0.164,0.536], df[1.326,0.219], g[2.882,0.051]
1/1 [=====] - 0s 105ms/step
>932, dr[0.773,0.673], df[0.186,0.107], g[2.557,0.094]
1/1 [=====] - 0s 104ms/step
>933, dr[0.575,0.260], df[0.508,0.051], g[1.987,0.124]
1/1 [=====] - 0s 100ms/step
>934, dr[0.760,0.946], df[0.500,0.036], g[2.165,0.256]
1/1 [=====] - 0s 110ms/step
>935, dr[0.377,0.643], df[0.187,0.035], g[2.633,0.160]
1/1 [=====] - 0s 108ms/step
>936, dr[0.452,0.789], df[0.431,0.023], g[2.633,0.081]
1/1 [=====] - 0s 107ms/step
>937, dr[0.552,1.112], df[0.495,0.107], g[1.902,0.181]
4/4 [=====] - 1s 62ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
The runtime to fit this model was: 0:13:23.135341.

```

2.2) Evaluate Model Performance

```

In [4]: # example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np

model = load_model('model_0937.h5')
latent_dim = 100
n_examples = 300

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the Latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data

```

```
pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
pyplot.show()

# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0

# Generate Trouser Images
n_class = 1
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
```

```
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0


# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0


# Generate Sneaker Images
n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0


# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0


# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0


Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
```

```
ankle_boot), axis=0)
print(Z.shape)
```

```
WARNING:tensorflow:No training configuration found in the save file, so the model was
*not* compiled. Compile it manually.
10/10 [=====] - 1s 55ms/step
10/10 [=====] - 1s 53ms/step
10/10 [=====] - 1s 61ms/step
10/10 [=====] - 1s 64ms/step
10/10 [=====] - 1s 53ms/step
10/10 [=====] - 1s 54ms/step
10/10 [=====] - 1s 61ms/step
10/10 [=====] - 1s 53ms/step
10/10 [=====] - 1s 55ms/step
10/10 [=====] - 1s 54ms/step
(3000, 28, 28, 1)
```

In [6]:

```
# calculate inception score in Keras
from math import floor
from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
```

```

subset = preprocess_input(subset)
# predict p(y/x)
p_yx = model.predict(subset)
# calculate p(y)
p_y = expand_dims(p_yx.mean(axis=0), 0)
# calculate KL divergence using log probabilities
kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
# sum over classes
sum_kl_d = kl_d.sum(axis=1)
# average over images
avg_kl_d = mean(sum_kl_d)
# undo the log
is_score = exp(avg_kl_d)
# store
scores.append(is_score)
# average across images
is_avg, is_std = mean(scores), std(scores)
return is_avg, is_std

# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)

10/10 [=====] - 15s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 15s 2s/step
score 1.1270496 0.002707503

```

3) Model 2 - Experimentation with Dimensionality of AC-GAN's Latent Space

3.1) Build The Model

Let's construct and train the AC-GAN model. For this model, we will try to improve performance by modifying the first model by having a 200-dimensional latent space instead of a 100-dimensional latent space.

```

In [11]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint

```

```

from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt

```

```

    return model
    model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)
    # merge image gen and label input
    merge = Concatenate()([gen, li])
    # upsample to 14x14
    gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    gen = BatchNormalization()(gen)
    gen = Activation('relu')(gen)
    # upsample to 28x28
    gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    out_layer = Activation('tanh')(gen)
    # define model
    model = Model([in_lat, in_label], out_layer)
    return model
    model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')

```

```

# scale from [0,255] to [-1,1]
X = (X - 127.5) / 127.5
print(X.shape, trainy.shape)
return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = randint(0, n_classes, n_samples)
    return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

```

```

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=1, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error
        _,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
        # summarize loss on this batch
        print('>%d, dr[%.3f,.3f], df[%.3f,.3f], g[%.3f,.3f]' % (i+1, d_r1,d_r2, d_f, d_f2, g_1,g_2))
        # evaluate the model performance every 'epoch'
        if (i+1) % (bat_per_epo * 1) == 0:
            summarize_performance(i, g_model, latent_dim)

    # size of the latent space
latent_dim = 200
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# Load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")

```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 215ms/step  
>1, dr[0.954,3.227], df[1.220,2.911], g[0.850,3.034]  
1/1 [=====] - 0s 93ms/step  
>2, dr[0.634,2.991], df[1.203,3.373], g[0.820,3.339]  
1/1 [=====] - 0s 93ms/step  
>3, dr[0.562,3.365], df[0.779,2.931], g[1.056,3.061]  
1/1 [=====] - 0s 69ms/step  
>4, dr[0.547,2.710], df[0.736,2.713], g[1.054,3.428]  
1/1 [=====] - 0s 85ms/step  
>5, dr[0.816,2.661], df[0.675,3.024], g[1.008,3.156]  
1/1 [=====] - 0s 75ms/step  
>6, dr[0.529,2.709], df[0.809,2.823], g[1.118,3.045]  
1/1 [=====] - 0s 80ms/step  
>7, dr[0.457,2.955], df[0.421,3.245], g[1.467,2.902]  
1/1 [=====] - 0s 69ms/step  
>8, dr[0.736,2.612], df[0.760,3.277], g[1.192,3.286]  
1/1 [=====] - 0s 76ms/step  
>9, dr[0.483,2.815], df[0.731,2.885], g[1.349,3.526]  
1/1 [=====] - 0s 74ms/step  
>10, dr[0.501,2.553], df[0.580,2.963], g[1.103,3.043]  
1/1 [=====] - 0s 80ms/step  
>11, dr[0.431,2.140], df[0.695,3.357], g[0.957,3.107]  
1/1 [=====] - 0s 72ms/step  
>12, dr[0.564,2.525], df[0.630,2.929], g[1.208,3.513]  
1/1 [=====] - 0s 75ms/step  
>13, dr[0.310,2.745], df[0.553,2.882], g[0.979,3.077]  
1/1 [=====] - 0s 72ms/step  
>14, dr[0.435,2.312], df[0.689,2.731], g[0.943,3.130]  
1/1 [=====] - 0s 71ms/step  
>15, dr[0.504,2.980], df[0.420,2.766], g[0.762,3.305]  
1/1 [=====] - 0s 83ms/step  
>16, dr[0.461,2.352], df[0.372,3.102], g[0.582,3.192]  
1/1 [=====] - 0s 95ms/step  
>17, dr[0.567,2.153], df[0.283,3.335], g[0.393,2.957]  
1/1 [=====] - 0s 75ms/step  
>18, dr[0.318,2.350], df[0.253,3.005], g[0.344,3.031]  
1/1 [=====] - 0s 71ms/step  
>19, dr[0.495,1.789], df[0.507,3.330], g[0.390,3.035]  
1/1 [=====] - 0s 76ms/step  
>20, dr[0.242,2.059], df[0.243,3.210], g[0.304,2.920]  
1/1 [=====] - 0s 75ms/step  
>21, dr[0.152,2.158], df[0.170,3.114], g[0.323,2.980]  
1/1 [=====] - 0s 73ms/step  
>22, dr[0.300,2.317], df[0.311,3.170], g[0.228,2.999]  
1/1 [=====] - 0s 78ms/step  
>23, dr[0.349,1.732], df[0.221,2.935], g[0.332,3.283]  
1/1 [=====] - 0s 73ms/step  
>24, dr[0.233,1.652], df[0.144,2.994], g[0.138,3.135]  
1/1 [=====] - 0s 88ms/step  
>25, dr[0.281,1.554], df[0.258,3.212], g[0.137,2.918]  
1/1 [=====] - 0s 73ms/step  
>26, dr[0.211,1.744], df[0.147,3.044], g[0.138,3.110]  
1/1 [=====] - 0s 141ms/step  
>27, dr[0.082,1.727], df[0.105,2.909], g[0.092,3.241]  
1/1 [=====] - 0s 94ms/step  
>28, dr[0.259,1.664], df[0.135,3.291], g[0.098,3.271]  
1/1 [=====] - 0s 79ms/step  
>29, dr[0.068,1.561], df[0.177,3.006], g[0.096,3.423]  
1/1 [=====] - 0s 80ms/step
```

```
>30, dr[0.406,2.041], df[0.197,3.276], g[0.057,3.264]
1/1 [=====] - 0s 88ms/step
>31, dr[0.062,1.730], df[0.122,3.530], g[0.077,3.522]
1/1 [=====] - 0s 87ms/step
>32, dr[0.166,1.605], df[0.199,3.118], g[0.059,3.363]
1/1 [=====] - 0s 80ms/step
>33, dr[0.152,1.780], df[0.084,3.445], g[0.080,3.254]
1/1 [=====] - 0s 103ms/step
>34, dr[0.087,1.805], df[0.110,3.086], g[0.110,3.125]
1/1 [=====] - 0s 84ms/step
>35, dr[0.104,2.219], df[0.137,2.707], g[0.110,3.269]
1/1 [=====] - 0s 85ms/step
>36, dr[0.278,1.289], df[0.176,3.605], g[0.108,3.265]
1/1 [=====] - 0s 83ms/step
>37, dr[0.177,1.988], df[0.221,3.050], g[0.119,3.010]
1/1 [=====] - 0s 98ms/step
>38, dr[0.124,1.897], df[0.143,3.068], g[0.097,3.110]
1/1 [=====] - 0s 97ms/step
>39, dr[0.154,1.346], df[0.080,2.552], g[0.072,3.148]
1/1 [=====] - 0s 80ms/step
>40, dr[0.072,1.405], df[0.095,3.028], g[0.094,3.182]
1/1 [=====] - 0s 87ms/step
>41, dr[0.102,0.876], df[0.103,3.188], g[0.059,3.259]
1/1 [=====] - 0s 80ms/step
>42, dr[0.158,1.260], df[0.151,3.155], g[0.059,3.276]
1/1 [=====] - 0s 85ms/step
>43, dr[0.199,1.653], df[0.137,3.354], g[0.080,3.276]
1/1 [=====] - 0s 85ms/step
>44, dr[0.051,1.777], df[0.116,3.221], g[0.089,3.121]
1/1 [=====] - 0s 86ms/step
>45, dr[0.126,1.860], df[0.139,3.497], g[0.101,3.106]
1/1 [=====] - 0s 85ms/step
>46, dr[0.088,1.385], df[0.166,2.400], g[0.115,3.084]
1/1 [=====] - 0s 107ms/step
>47, dr[0.122,1.454], df[0.117,2.985], g[0.127,3.697]
1/1 [=====] - 0s 84ms/step
>48, dr[0.149,1.627], df[0.150,3.201], g[0.163,3.696]
1/1 [=====] - 0s 89ms/step
>49, dr[0.149,1.512], df[0.113,3.245], g[0.184,3.116]
1/1 [=====] - 0s 113ms/step
>50, dr[0.115,1.632], df[0.058,2.993], g[0.074,2.858]
1/1 [=====] - 0s 85ms/step
>51, dr[0.164,1.317], df[0.056,2.748], g[0.108,2.939]
1/1 [=====] - 0s 81ms/step
>52, dr[0.076,1.618], df[0.174,2.990], g[0.071,3.015]
1/1 [=====] - 0s 71ms/step
>53, dr[0.253,1.183], df[0.081,3.005], g[0.073,3.357]
1/1 [=====] - 0s 75ms/step
>54, dr[0.088,1.589], df[0.099,3.208], g[0.116,3.239]
1/1 [=====] - 0s 93ms/step
>55, dr[0.152,1.007], df[0.165,3.135], g[0.135,3.316]
1/1 [=====] - 0s 83ms/step
>56, dr[0.094,1.607], df[0.094,3.080], g[0.067,3.400]
1/1 [=====] - 0s 76ms/step
>57, dr[0.072,1.539], df[0.128,3.395], g[0.106,3.087]
1/1 [=====] - 0s 74ms/step
>58, dr[0.120,0.969], df[0.069,3.338], g[0.163,3.418]
1/1 [=====] - 0s 88ms/step
>59, dr[0.200,1.409], df[0.059,3.322], g[0.146,3.120]
1/1 [=====] - 0s 90ms/step
```

```
>60, dr[0.163,1.619], df[0.147,3.488], g[0.084,3.279]
1/1 [=====] - 0s 118ms/step
>61, dr[0.108,1.243], df[0.051,2.660], g[0.059,3.320]
1/1 [=====] - 0s 79ms/step
>62, dr[0.040,1.245], df[0.086,3.129], g[0.066,3.384]
1/1 [=====] - 0s 84ms/step
>63, dr[0.159,1.202], df[0.179,2.983], g[0.137,3.059]
1/1 [=====] - 0s 84ms/step
>64, dr[0.115,1.161], df[0.043,2.985], g[0.164,2.818]
1/1 [=====] - 0s 79ms/step
>65, dr[0.107,1.664], df[0.074,3.238], g[0.064,2.813]
1/1 [=====] - 0s 77ms/step
>66, dr[0.070,1.591], df[0.051,3.198], g[0.040,2.848]
1/1 [=====] - 0s 101ms/step
>67, dr[0.063,1.508], df[0.022,3.626], g[0.036,2.975]
1/1 [=====] - 0s 82ms/step
>68, dr[0.113,0.981], df[0.084,2.845], g[0.086,3.214]
1/1 [=====] - 0s 73ms/step
>69, dr[0.100,1.682], df[0.075,2.764], g[0.027,2.969]
1/1 [=====] - 0s 80ms/step
>70, dr[0.080,0.917], df[0.131,3.023], g[0.021,3.130]
1/1 [=====] - 0s 87ms/step
>71, dr[0.037,1.159], df[0.040,3.469], g[0.044,2.915]
1/1 [=====] - 0s 82ms/step
>72, dr[0.103,1.246], df[0.039,3.422], g[0.053,3.311]
1/1 [=====] - 0s 75ms/step
>73, dr[0.022,1.653], df[0.111,2.740], g[0.048,3.339]
1/1 [=====] - 0s 94ms/step
>74, dr[0.084,1.339], df[0.063,3.445], g[0.065,3.018]
1/1 [=====] - 0s 88ms/step
>75, dr[0.037,1.010], df[0.080,3.031], g[0.082,3.120]
1/1 [=====] - 0s 74ms/step
>76, dr[0.143,1.086], df[0.152,3.218], g[0.137,2.928]
1/1 [=====] - 0s 87ms/step
>77, dr[0.106,1.284], df[0.076,3.233], g[0.068,2.724]
1/1 [=====] - 0s 80ms/step
>78, dr[0.043,1.058], df[0.150,3.365], g[0.122,3.030]
1/1 [=====] - 0s 75ms/step
>79, dr[0.068,1.386], df[0.085,2.745], g[0.138,2.916]
1/1 [=====] - 0s 80ms/step
>80, dr[0.105,0.846], df[0.050,2.686], g[0.084,3.148]
1/1 [=====] - 0s 80ms/step
>81, dr[0.095,1.315], df[0.072,3.055], g[0.068,3.072]
1/1 [=====] - 0s 88ms/step
>82, dr[0.104,1.009], df[0.158,3.105], g[0.062,2.909]
1/1 [=====] - 0s 76ms/step
>83, dr[0.263,1.232], df[0.199,2.557], g[0.118,3.173]
1/1 [=====] - 0s 74ms/step
>84, dr[0.055,1.441], df[0.097,2.869], g[0.083,2.659]
1/1 [=====] - 0s 74ms/step
>85, dr[0.101,1.336], df[0.227,3.067], g[0.159,2.862]
1/1 [=====] - 0s 85ms/step
>86, dr[0.203,1.255], df[0.213,2.998], g[0.219,2.649]
1/1 [=====] - 0s 88ms/step
>87, dr[0.148,1.042], df[0.238,3.149], g[0.176,2.934]
1/1 [=====] - 0s 75ms/step
>88, dr[0.437,1.362], df[0.235,2.944], g[0.135,3.064]
1/1 [=====] - 0s 80ms/step
>89, dr[0.247,0.830], df[0.274,2.820], g[0.133,2.950]
1/1 [=====] - 0s 86ms/step
```

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>90, dr[0.134,0.851], df[0.126,3.009], g[0.150,2.640]
1/1 [=====] - 0s 84ms/step
>91, dr[0.092,1.153], df[0.168,2.742], g[0.228,2.667]
1/1 [=====] - 0s 79ms/step
>92, dr[0.159,0.937], df[0.069,2.469], g[0.176,2.812]
1/1 [=====] - 0s 75ms/step
>93, dr[0.273,1.324], df[0.130,2.587], g[0.115,2.841]
1/1 [=====] - 0s 80ms/step
>94, dr[0.137,1.755], df[0.111,3.128], g[0.098,2.761]
1/1 [=====] - 0s 86ms/step
>95, dr[0.198,0.970], df[0.255,2.677], g[0.107,2.550]
1/1 [=====] - 0s 83ms/step
>96, dr[0.162,1.545], df[0.250,2.470], g[0.116,2.561]
1/1 [=====] - 0s 78ms/step
>97, dr[0.119,1.426], df[0.223,2.336], g[0.192,2.800]
1/1 [=====] - 0s 75ms/step
>98, dr[0.195,1.352], df[0.118,2.892], g[0.183,2.348]
1/1 [=====] - 0s 80ms/step
>99, dr[0.241,0.906], df[0.319,2.889], g[0.180,2.845]
1/1 [=====] - 0s 76ms/step
>100, dr[0.249,1.172], df[0.183,3.131], g[0.182,2.487]
1/1 [=====] - 0s 77ms/step
>101, dr[0.219,1.000], df[0.287,2.576], g[0.130,2.547]
1/1 [=====] - 0s 73ms/step
>102, dr[0.140,0.966], df[0.089,2.577], g[0.166,2.156]
1/1 [=====] - 0s 76ms/step
>103, dr[0.329,0.834], df[0.166,2.816], g[0.061,2.288]
1/1 [=====] - 0s 71ms/step
>104, dr[0.111,1.168], df[0.219,2.290], g[0.065,2.285]
1/1 [=====] - 0s 75ms/step
>105, dr[0.243,1.382], df[0.113,2.485], g[0.082,2.092]
1/1 [=====] - 0s 76ms/step
>106, dr[0.206,1.419], df[0.261,2.571], g[0.100,2.110]
1/1 [=====] - 0s 78ms/step
>107, dr[0.260,0.742], df[0.238,2.201], g[0.122,2.086]
1/1 [=====] - 0s 85ms/step
>108, dr[0.167,1.023], df[0.080,1.946], g[0.174,2.146]
1/1 [=====] - 0s 87ms/step
>109, dr[0.256,0.756], df[0.140,2.209], g[0.078,2.249]
1/1 [=====] - 0s 80ms/step
>110, dr[0.179,0.855], df[0.247,2.449], g[0.116,1.873]
1/1 [=====] - 0s 77ms/step
>111, dr[0.171,1.029], df[0.294,1.874], g[0.056,1.888]
1/1 [=====] - 0s 80ms/step
>112, dr[0.090,1.026], df[0.067,2.175], g[0.064,2.049]
1/1 [=====] - 0s 72ms/step
>113, dr[0.079,0.437], df[0.099,1.811], g[0.057,1.956]
1/1 [=====] - 0s 74ms/step
>114, dr[0.334,1.094], df[0.120,2.193], g[0.055,2.096]
1/1 [=====] - 0s 76ms/step
>115, dr[0.115,1.001], df[0.102,1.600], g[0.071,1.482]
1/1 [=====] - 0s 69ms/step
>116, dr[0.144,0.972], df[0.047,1.691], g[0.113,1.781]
1/1 [=====] - 0s 75ms/step
>117, dr[0.077,1.053], df[0.290,1.548], g[0.120,1.913]
1/1 [=====] - 0s 76ms/step
>118, dr[0.091,0.819], df[0.190,1.598], g[0.189,1.752]
1/1 [=====] - 0s 75ms/step
>119, dr[0.161,0.911], df[0.380,1.663], g[0.174,1.749]
1/1 [=====] - 0s 68ms/step
```

```
>120, dr[0.252,1.066], df[0.121,1.346], g[0.159,1.868]
1/1 [=====] - 0s 77ms/step
>121, dr[0.290,1.329], df[0.199,1.617], g[0.121,1.568]
1/1 [=====] - 0s 68ms/step
>122, dr[0.388,1.162], df[0.099,1.468], g[0.056,1.654]
1/1 [=====] - 0s 71ms/step
>123, dr[0.295,1.122], df[0.143,1.342], g[0.065,1.397]
1/1 [=====] - 0s 69ms/step
>124, dr[0.122,1.148], df[0.184,1.508], g[0.037,1.271]
1/1 [=====] - 0s 70ms/step
>125, dr[0.070,1.240], df[0.219,1.898], g[0.119,1.465]
1/1 [=====] - 0s 68ms/step
>126, dr[0.215,1.402], df[0.183,1.569], g[0.068,1.490]
1/1 [=====] - 0s 79ms/step
>127, dr[0.248,0.978], df[0.217,1.299], g[0.100,1.390]
1/1 [=====] - 0s 72ms/step
>128, dr[0.131,1.290], df[0.298,1.366], g[0.137,1.371]
1/1 [=====] - 0s 79ms/step
>129, dr[0.252,1.070], df[0.304,1.474], g[0.133,1.363]
1/1 [=====] - 0s 75ms/step
>130, dr[0.213,0.422], df[0.477,1.426], g[0.169,1.272]
1/1 [=====] - 0s 71ms/step
>131, dr[0.417,0.967], df[0.268,0.968], g[0.105,1.346]
1/1 [=====] - 0s 81ms/step
>132, dr[0.494,0.512], df[0.554,1.473], g[0.102,1.516]
1/1 [=====] - 0s 71ms/step
>133, dr[0.366,1.127], df[0.278,1.378], g[0.095,1.635]
1/1 [=====] - 0s 87ms/step
>134, dr[0.444,0.898], df[0.439,1.062], g[0.229,1.152]
1/1 [=====] - 0s 69ms/step
>135, dr[0.400,0.984], df[0.406,1.330], g[0.193,1.045]
1/1 [=====] - 0s 74ms/step
>136, dr[0.330,1.072], df[0.318,0.985], g[0.314,1.198]
1/1 [=====] - 0s 69ms/step
>137, dr[0.465,0.840], df[0.121,1.304], g[0.207,1.186]
1/1 [=====] - 0s 78ms/step
>138, dr[0.279,0.927], df[0.138,1.295], g[0.071,1.221]
1/1 [=====] - 0s 68ms/step
>139, dr[0.464,1.437], df[0.588,1.120], g[0.263,1.200]
1/1 [=====] - 0s 72ms/step
>140, dr[0.313,1.477], df[0.099,1.375], g[0.266,1.169]
1/1 [=====] - 0s 68ms/step
>141, dr[0.526,0.746], df[0.229,0.919], g[0.111,1.207]
1/1 [=====] - 0s 69ms/step
>142, dr[0.187,1.744], df[0.234,1.233], g[0.116,1.087]
1/1 [=====] - 0s 76ms/step
>143, dr[0.265,1.179], df[0.191,1.174], g[0.129,0.861]
1/1 [=====] - 0s 75ms/step
>144, dr[0.387,0.922], df[0.232,1.429], g[0.151,1.017]
1/1 [=====] - 0s 70ms/step
>145, dr[0.109,0.868], df[0.228,0.996], g[0.219,1.202]
1/1 [=====] - 0s 69ms/step
>146, dr[0.071,0.826], df[0.020,1.341], g[0.261,1.148]
1/1 [=====] - 0s 75ms/step
>147, dr[0.162,1.021], df[0.040,0.982], g[0.180,1.061]
1/1 [=====] - 0s 74ms/step
>148, dr[0.102,0.801], df[0.109,1.144], g[0.108,1.118]
1/1 [=====] - 0s 75ms/step
>149, dr[0.085,1.126], df[0.081,1.458], g[0.085,0.912]
1/1 [=====] - 0s 68ms/step
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>150, dr[0.137,0.848], df[0.171,0.842], g[0.093,0.853]
1/1 [=====] - 0s 72ms/step
>151, dr[0.062,0.726], df[0.104,0.824], g[0.168,0.570]
1/1 [=====] - 0s 67ms/step
>152, dr[0.109,0.866], df[0.183,0.866], g[0.214,0.926]
1/1 [=====] - 0s 79ms/step
>153, dr[0.292,1.498], df[0.166,0.704], g[0.289,0.897]
1/1 [=====] - 0s 75ms/step
>154, dr[0.229,1.372], df[0.050,0.969], g[0.102,0.732]
1/1 [=====] - 0s 79ms/step
>155, dr[0.048,0.817], df[0.168,1.008], g[0.141,0.801]
1/1 [=====] - 0s 69ms/step
>156, dr[0.168,1.129], df[0.093,0.953], g[0.089,0.837]
1/1 [=====] - 0s 71ms/step
>157, dr[0.157,0.682], df[0.134,0.848], g[0.124,0.887]
1/1 [=====] - 0s 71ms/step
>158, dr[0.124,0.710], df[0.235,0.611], g[0.254,0.793]
1/1 [=====] - 0s 70ms/step
>159, dr[0.193,0.961], df[0.072,0.817], g[0.277,1.042]
1/1 [=====] - 0s 78ms/step
>160, dr[0.209,0.735], df[0.061,0.898], g[0.100,0.675]
1/1 [=====] - 0s 75ms/step
>161, dr[0.121,0.899], df[0.128,0.736], g[0.119,0.799]
1/1 [=====] - 0s 74ms/step
>162, dr[0.104,1.252], df[0.067,0.821], g[0.080,0.734]
1/1 [=====] - 0s 71ms/step
>163, dr[0.109,1.382], df[0.120,1.026], g[0.060,0.812]
1/1 [=====] - 0s 73ms/step
>164, dr[0.222,0.528], df[0.132,0.941], g[0.072,0.736]
1/1 [=====] - 0s 68ms/step
>165, dr[0.058,0.974], df[0.197,0.703], g[0.131,0.739]
1/1 [=====] - 0s 73ms/step
>166, dr[0.134,0.868], df[0.045,0.566], g[0.244,0.838]
1/1 [=====] - 0s 70ms/step
>167, dr[0.315,1.419], df[0.266,0.675], g[0.437,0.742]
1/1 [=====] - 0s 80ms/step
>168, dr[0.173,1.120], df[0.030,0.590], g[0.218,0.769]
1/1 [=====] - 0s 71ms/step
>169, dr[0.056,0.926], df[0.130,0.771], g[0.235,0.641]
1/1 [=====] - 0s 74ms/step
>170, dr[0.107,0.720], df[0.144,0.756], g[0.216,0.908]
1/1 [=====] - 0s 67ms/step
>171, dr[0.161,1.623], df[0.016,0.779], g[0.097,0.820]
1/1 [=====] - 0s 70ms/step
>172, dr[0.101,1.494], df[0.025,0.697], g[0.042,0.548]
1/1 [=====] - 0s 68ms/step
>173, dr[0.153,0.790], df[0.122,0.729], g[0.060,0.426]
1/1 [=====] - 0s 85ms/step
>174, dr[0.128,0.809], df[0.353,0.644], g[0.129,0.526]
1/1 [=====] - 0s 77ms/step
>175, dr[0.151,0.661], df[0.083,0.600], g[0.340,0.643]
1/1 [=====] - 0s 76ms/step
>176, dr[0.447,1.148], df[0.092,0.982], g[0.082,0.604]
1/1 [=====] - 0s 80ms/step
>177, dr[0.096,0.938], df[0.541,0.360], g[0.503,0.556]
1/1 [=====] - 0s 75ms/step
>178, dr[0.183,0.713], df[0.005,0.809], g[0.785,0.531]
1/1 [=====] - 0s 83ms/step
>179, dr[0.293,0.997], df[0.297,0.576], g[0.364,0.424]
1/1 [=====] - 0s 67ms/step
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>180, dr[0.155,1.443], df[0.060,0.617], g[0.300,0.905]
1/1 [=====] - 0s 76ms/step
>181, dr[0.149,0.718], df[0.127,0.789], g[0.168,0.504]
1/1 [=====] - 0s 73ms/step
>182, dr[0.239,1.409], df[0.126,0.504], g[0.103,0.503]
1/1 [=====] - 0s 88ms/step
>183, dr[0.046,0.654], df[0.041,0.751], g[0.194,0.578]
1/1 [=====] - 0s 71ms/step
>184, dr[0.110,0.858], df[0.110,0.662], g[0.195,0.446]
1/1 [=====] - 0s 70ms/step
>185, dr[0.129,0.737], df[0.176,0.420], g[0.361,0.575]
1/1 [=====] - 0s 75ms/step
>186, dr[0.138,0.824], df[0.034,0.555], g[0.185,0.604]
1/1 [=====] - 0s 74ms/step
>187, dr[0.153,0.694], df[0.293,0.599], g[0.439,0.470]
1/1 [=====] - 0s 81ms/step
>188, dr[0.338,1.165], df[0.060,0.702], g[0.266,0.410]
1/1 [=====] - 0s 78ms/step
>189, dr[0.091,1.403], df[0.109,0.581], g[0.239,0.417]
1/1 [=====] - 0s 80ms/step
>190, dr[0.115,1.365], df[0.062,0.451], g[0.289,0.390]
1/1 [=====] - 0s 70ms/step
>191, dr[0.124,1.308], df[0.279,0.315], g[1.004,0.466]
1/1 [=====] - 0s 76ms/step
>192, dr[0.186,0.628], df[0.078,0.493], g[0.900,0.628]
1/1 [=====] - 0s 75ms/step
>193, dr[0.325,0.866], df[0.058,0.648], g[0.292,0.464]
1/1 [=====] - 0s 78ms/step
>194, dr[0.086,1.252], df[0.303,0.368], g[0.366,0.525]
1/1 [=====] - 0s 73ms/step
>195, dr[0.251,1.279], df[0.032,0.377], g[0.192,0.435]
1/1 [=====] - 0s 83ms/step
>196, dr[0.088,0.972], df[0.118,0.562], g[0.148,0.444]
1/1 [=====] - 0s 78ms/step
>197, dr[0.052,0.974], df[0.266,0.388], g[0.786,0.406]
1/1 [=====] - 0s 74ms/step
>198, dr[0.390,0.770], df[0.082,0.667], g[0.142,0.367]
1/1 [=====] - 0s 76ms/step
>199, dr[0.089,0.843], df[0.481,0.384], g[1.455,0.850]
1/1 [=====] - 0s 70ms/step
>200, dr[0.439,0.615], df[0.004,0.753], g[0.737,0.295]
1/1 [=====] - 0s 77ms/step
>201, dr[0.109,0.646], df[0.033,0.457], g[0.156,0.333]
1/1 [=====] - 0s 74ms/step
>202, dr[0.086,0.790], df[0.366,0.413], g[0.834,0.425]
1/1 [=====] - 0s 75ms/step
>203, dr[0.076,0.639], df[0.001,0.507], g[1.742,0.309]
1/1 [=====] - 0s 69ms/step
>204, dr[0.376,1.266], df[0.144,0.390], g[0.510,0.250]
1/1 [=====] - 0s 78ms/step
>205, dr[0.149,0.958], df[0.299,0.502], g[1.488,0.557]
1/1 [=====] - 0s 71ms/step
>206, dr[0.247,1.140], df[0.043,0.337], g[1.208,0.363]
1/1 [=====] - 0s 78ms/step
>207, dr[0.259,1.259], df[0.218,0.316], g[0.372,0.279]
1/1 [=====] - 0s 75ms/step
>208, dr[0.131,1.564], df[0.262,0.257], g[0.609,0.521]
1/1 [=====] - 0s 73ms/step
>209, dr[0.125,1.179], df[0.033,0.515], g[0.402,0.478]
1/1 [=====] - 0s 73ms/step
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>210, dr[0.127,0.988], df[0.107,0.447], g[0.239,0.411]
1/1 [=====] - 0s 71ms/step
>211, dr[0.076,0.861], df[0.109,0.308], g[0.374,0.339]
1/1 [=====] - 0s 74ms/step
>212, dr[0.198,0.990], df[0.182,0.233], g[0.647,0.315]
1/1 [=====] - 0s 69ms/step
>213, dr[0.293,0.876], df[0.198,0.280], g[0.747,0.325]
1/1 [=====] - 0s 75ms/step
>214, dr[0.122,1.188], df[0.080,0.317], g[0.811,0.194]
1/1 [=====] - 0s 84ms/step
>215, dr[0.130,1.619], df[0.061,0.494], g[0.492,0.379]
1/1 [=====] - 0s 85ms/step
>216, dr[0.279,0.873], df[0.288,0.307], g[0.744,0.512]
1/1 [=====] - 0s 69ms/step
>217, dr[0.049,1.543], df[0.018,0.406], g[1.196,0.371]
1/1 [=====] - 0s 78ms/step
>218, dr[0.392,0.632], df[0.202,0.211], g[0.120,0.387]
1/1 [=====] - 0s 79ms/step
>219, dr[0.111,0.906], df[0.536,0.292], g[1.010,0.282]
1/1 [=====] - 0s 70ms/step
>220, dr[0.319,1.467], df[0.053,0.219], g[1.022,0.642]
1/1 [=====] - 0s 87ms/step
>221, dr[0.248,0.715], df[0.068,0.136], g[0.251,0.270]
1/1 [=====] - 0s 77ms/step
>222, dr[0.071,0.846], df[0.410,0.289], g[1.392,0.377]
1/1 [=====] - 0s 73ms/step
>223, dr[0.466,1.252], df[0.029,0.308], g[0.546,0.260]
1/1 [=====] - 0s 71ms/step
>224, dr[0.080,0.710], df[0.385,0.360], g[2.690,0.288]
1/1 [=====] - 0s 81ms/step
>225, dr[0.316,0.969], df[0.017,0.410], g[2.355,0.286]
1/1 [=====] - 0s 76ms/step
>226, dr[0.286,0.852], df[0.185,0.305], g[0.851,0.382]
1/1 [=====] - 0s 75ms/step
>227, dr[0.152,0.815], df[0.548,0.394], g[1.489,0.335]
1/1 [=====] - 0s 73ms/step
>228, dr[0.311,0.797], df[0.158,0.342], g[1.370,0.167]
1/1 [=====] - 0s 83ms/step
>229, dr[0.164,1.695], df[0.132,0.632], g[1.429,0.293]
1/1 [=====] - 0s 90ms/step
>230, dr[0.136,1.286], df[0.186,0.320], g[0.922,0.496]
1/1 [=====] - 0s 85ms/step
>231, dr[0.126,1.140], df[0.051,0.434], g[0.885,0.238]
1/1 [=====] - 0s 94ms/step
>232, dr[0.077,0.827], df[0.236,0.313], g[1.248,0.260]
1/1 [=====] - 0s 75ms/step
>233, dr[0.168,0.845], df[0.108,0.328], g[1.086,0.393]
1/1 [=====] - 0s 80ms/step
>234, dr[0.145,1.032], df[0.090,0.199], g[0.477,0.250]
1/1 [=====] - 0s 80ms/step
>235, dr[0.248,0.713], df[0.606,0.266], g[1.032,0.283]
1/1 [=====] - 0s 81ms/step
>236, dr[0.298,0.594], df[0.055,0.163], g[0.598,0.173]
1/1 [=====] - 0s 78ms/step
>237, dr[0.114,0.446], df[0.277,0.216], g[0.575,0.243]
1/1 [=====] - 0s 74ms/step
>238, dr[0.297,0.929], df[0.205,0.305], g[0.526,0.270]
1/1 [=====] - 0s 96ms/step
>239, dr[0.105,0.798], df[0.107,0.222], g[0.688,0.233]
1/1 [=====] - 0s 79ms/step
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>240, dr[0.417,0.848], df[1.017,0.143], g[2.998,0.275]
1/1 [=====] - 0s 72ms/step
>241, dr[0.789,0.842], df[0.094,0.281], g[0.955,0.159]
1/1 [=====] - 0s 114ms/step
>242, dr[0.088,0.523], df[0.529,0.227], g[1.925,0.170]
1/1 [=====] - 0s 75ms/step
>243, dr[0.703,1.066], df[0.407,0.085], g[1.064,0.235]
1/1 [=====] - 0s 75ms/step
>244, dr[0.367,1.042], df[0.275,0.314], g[1.052,0.298]
1/1 [=====] - 0s 70ms/step
>245, dr[0.192,0.561], df[0.094,0.270], g[1.028,0.317]
1/1 [=====] - 0s 77ms/step
>246, dr[0.204,0.946], df[0.368,0.340], g[1.229,0.324]
1/1 [=====] - 0s 70ms/step
>247, dr[0.163,1.671], df[0.082,0.173], g[0.713,0.191]
1/1 [=====] - 0s 74ms/step
>248, dr[0.099,1.339], df[0.164,0.237], g[1.310,0.231]
1/1 [=====] - 0s 69ms/step
>249, dr[0.319,1.263], df[0.604,0.165], g[2.423,0.236]
1/1 [=====] - 0s 73ms/step
>250, dr[1.344,1.061], df[1.173,0.220], g[2.854,0.116]
1/1 [=====] - 0s 82ms/step
>251, dr[1.390,1.187], df[0.590,0.226], g[1.507,0.269]
1/1 [=====] - 0s 70ms/step
>252, dr[0.467,0.466], df[0.725,0.200], g[1.929,0.297]
1/1 [=====] - 0s 71ms/step
>253, dr[0.553,0.906], df[0.607,0.513], g[2.055,0.361]
1/1 [=====] - 0s 83ms/step
>254, dr[0.716,0.756], df[0.455,0.428], g[1.406,0.333]
1/1 [=====] - 0s 86ms/step
>255, dr[0.452,0.800], df[0.290,0.325], g[0.650,0.327]
1/1 [=====] - 0s 69ms/step
>256, dr[0.200,0.685], df[0.183,0.459], g[0.431,0.227]
1/1 [=====] - 0s 83ms/step
>257, dr[0.145,0.715], df[0.258,0.234], g[0.600,0.196]
1/1 [=====] - 0s 70ms/step
>258, dr[0.107,0.931], df[0.280,0.286], g[1.229,0.290]
1/1 [=====] - 0s 84ms/step
>259, dr[0.379,0.907], df[0.207,0.163], g[0.647,0.346]
1/1 [=====] - 0s 72ms/step
>260, dr[0.334,1.148], df[0.542,0.125], g[0.940,0.208]
1/1 [=====] - 0s 73ms/step
>261, dr[0.306,1.197], df[0.335,0.126], g[0.968,0.207]
1/1 [=====] - 0s 73ms/step
>262, dr[0.404,1.244], df[2.555,0.524], g[5.283,0.279]
1/1 [=====] - 0s 69ms/step
>263, dr[3.457,0.926], df[0.362,0.078], g[1.245,0.165]
1/1 [=====] - 0s 74ms/step
>264, dr[0.505,1.108], df[1.153,0.171], g[2.028,0.268]
1/1 [=====] - 0s 72ms/step
>265, dr[0.828,1.131], df[0.296,0.291], g[2.310,0.227]
1/1 [=====] - 0s 79ms/step
>266, dr[0.519,1.139], df[0.393,0.253], g[1.078,0.289]
1/1 [=====] - 0s 81ms/step
>267, dr[0.243,0.664], df[0.360,0.256], g[1.307,0.350]
1/1 [=====] - 0s 86ms/step
>268, dr[0.581,0.876], df[0.654,0.101], g[1.136,0.250]
1/1 [=====] - 0s 72ms/step
>269, dr[1.038,1.022], df[1.627,0.221], g[1.064,0.350]
1/1 [=====] - 0s 70ms/step
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>270, dr[0.414,0.992], df[0.284,0.285], g[1.793,0.276]
1/1 [=====] - 0s 71ms/step
>271, dr[0.876,1.081], df[0.510,0.159], g[0.988,0.280]
1/1 [=====] - 0s 74ms/step
>272, dr[0.210,1.007], df[0.555,0.467], g[1.603,0.271]
1/1 [=====] - 0s 71ms/step
>273, dr[0.181,1.083], df[0.110,0.169], g[2.105,0.409]
1/1 [=====] - 0s 69ms/step
>274, dr[0.310,1.291], df[0.149,0.211], g[1.436,0.070]
1/1 [=====] - 0s 73ms/step
>275, dr[0.172,0.994], df[0.239,0.208], g[1.180,0.195]
1/1 [=====] - 0s 69ms/step
>276, dr[0.172,0.523], df[0.329,0.237], g[1.566,0.162]
1/1 [=====] - 0s 75ms/step
>277, dr[0.165,1.047], df[0.627,0.213], g[2.612,0.270]
1/1 [=====] - 0s 71ms/step
>278, dr[0.393,1.242], df[0.275,0.221], g[2.189,0.158]
1/1 [=====] - 0s 76ms/step
>279, dr[0.500,0.839], df[0.509,0.381], g[2.024,0.260]
1/1 [=====] - 0s 73ms/step
>280, dr[0.211,0.977], df[0.373,0.414], g[2.337,0.362]
1/1 [=====] - 0s 70ms/step
>281, dr[0.393,0.919], df[0.163,0.226], g[2.430,0.232]
1/1 [=====] - 0s 76ms/step
>282, dr[0.304,1.122], df[0.391,0.234], g[2.173,0.202]
1/1 [=====] - 0s 73ms/step
>283, dr[0.140,1.331], df[0.078,0.196], g[1.919,0.136]
1/1 [=====] - 0s 82ms/step
>284, dr[0.058,0.511], df[0.274,0.071], g[2.820,0.187]
1/1 [=====] - 0s 69ms/step
>285, dr[0.339,1.266], df[0.156,0.138], g[2.061,0.209]
1/1 [=====] - 0s 80ms/step
>286, dr[0.263,1.129], df[0.390,0.164], g[1.288,0.169]
1/1 [=====] - 0s 72ms/step
>287, dr[0.110,0.901], df[0.502,0.227], g[1.339,0.071]
1/1 [=====] - 0s 74ms/step
>288, dr[0.358,0.853], df[0.100,0.191], g[1.243,0.175]
1/1 [=====] - 0s 69ms/step
>289, dr[0.364,0.627], df[0.829,0.269], g[0.934,0.208]
1/1 [=====] - 0s 74ms/step
>290, dr[0.449,1.063], df[0.313,0.135], g[1.039,0.124]
1/1 [=====] - 0s 73ms/step
>291, dr[0.423,1.087], df[0.611,0.116], g[1.585,0.153]
1/1 [=====] - 0s 77ms/step
>292, dr[0.939,1.588], df[1.585,0.146], g[1.611,0.158]
1/1 [=====] - 0s 73ms/step
>293, dr[0.824,0.693], df[0.760,0.119], g[2.185,0.177]
1/1 [=====] - 0s 74ms/step
>294, dr[1.209,0.953], df[0.929,0.126], g[1.247,0.212]
1/1 [=====] - 0s 72ms/step
>295, dr[0.968,1.101], df[1.532,0.174], g[2.958,0.399]
1/1 [=====] - 0s 71ms/step
>296, dr[1.973,1.384], df[0.700,0.156], g[1.287,0.239]
1/1 [=====] - 0s 88ms/step
>297, dr[0.532,0.873], df[1.340,0.232], g[2.050,0.245]
1/1 [=====] - 0s 80ms/step
>298, dr[0.925,1.006], df[0.419,0.171], g[2.201,0.207]
1/1 [=====] - 0s 75ms/step
>299, dr[0.775,1.077], df[0.752,0.138], g[2.568,0.183]
1/1 [=====] - 0s 69ms/step
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>300, dr[0.775,1.184], df[0.502,0.096], g[1.447,0.113]
1/1 [=====] - 0s 80ms/step
>301, dr[0.857,0.572], df[1.048,0.073], g[1.677,0.126]
1/1 [=====] - 0s 74ms/step
>302, dr[0.660,0.894], df[0.426,0.140], g[1.823,0.158]
1/1 [=====] - 0s 69ms/step
>303, dr[0.711,1.170], df[1.035,0.091], g[1.630,0.298]
1/1 [=====] - 0s 71ms/step
>304, dr[0.811,1.231], df[0.833,0.177], g[1.917,0.182]
1/1 [=====] - 0s 71ms/step
>305, dr[0.703,0.680], df[0.551,0.126], g[1.595,0.362]
1/1 [=====] - 0s 83ms/step
>306, dr[0.608,1.429], df[0.621,0.172], g[1.881,0.291]
1/1 [=====] - 0s 76ms/step
>307, dr[0.528,0.780], df[0.530,0.206], g[2.088,0.165]
1/1 [=====] - 0s 74ms/step
>308, dr[0.465,0.618], df[0.259,0.105], g[1.643,0.193]
1/1 [=====] - 0s 71ms/step
>309, dr[0.327,0.442], df[0.256,0.176], g[1.182,0.125]
1/1 [=====] - 0s 73ms/step
>310, dr[0.393,1.007], df[0.303,0.198], g[0.972,0.054]
1/1 [=====] - 0s 76ms/step
>311, dr[0.198,0.677], df[0.527,0.108], g[1.625,0.253]
1/1 [=====] - 0s 77ms/step
>312, dr[0.498,1.056], df[0.314,0.129], g[1.257,0.204]
1/1 [=====] - 0s 78ms/step
>313, dr[0.789,1.457], df[1.062,0.173], g[1.432,0.172]
1/1 [=====] - 0s 70ms/step
>314, dr[0.504,0.926], df[0.257,0.188], g[1.287,0.377]
1/1 [=====] - 0s 72ms/step
>315, dr[0.636,0.800], df[1.238,0.074], g[1.979,0.197]
1/1 [=====] - 0s 69ms/step
>316, dr[0.646,0.998], df[0.355,0.054], g[1.895,0.214]
1/1 [=====] - 0s 69ms/step
>317, dr[1.119,0.915], df[0.987,0.249], g[2.343,0.230]
1/1 [=====] - 0s 70ms/step
>318, dr[1.009,0.551], df[0.608,0.120], g[2.184,0.226]
1/1 [=====] - 0s 80ms/step
>319, dr[0.722,0.932], df[0.459,0.175], g[1.681,0.127]
1/1 [=====] - 0s 69ms/step
>320, dr[1.101,0.337], df[0.821,0.123], g[1.069,0.199]
1/1 [=====] - 0s 78ms/step
>321, dr[0.499,0.569], df[0.864,0.155], g[1.737,0.102]
1/1 [=====] - 0s 74ms/step
>322, dr[0.766,1.145], df[0.659,0.120], g[1.923,0.129]
1/1 [=====] - 0s 76ms/step
>323, dr[0.904,1.114], df[0.483,0.077], g[1.503,0.109]
1/1 [=====] - 0s 67ms/step
>324, dr[0.620,0.555], df[1.038,0.102], g[2.029,0.083]
1/1 [=====] - 0s 74ms/step
>325, dr[0.754,0.760], df[0.401,0.036], g[2.173,0.128]
1/1 [=====] - 0s 71ms/step
>326, dr[0.792,1.384], df[0.612,0.063], g[1.735,0.154]
1/1 [=====] - 0s 68ms/step
>327, dr[0.564,1.283], df[0.499,0.076], g[2.251,0.362]
1/1 [=====] - 0s 74ms/step
>328, dr[0.842,0.936], df[0.438,0.141], g[1.761,0.255]
1/1 [=====] - 0s 77ms/step
>329, dr[0.758,0.540], df[0.584,0.107], g[1.323,0.175]
1/1 [=====] - 0s 75ms/step
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>330, dr[0.511,0.537], df[0.784,0.077], g[1.936,0.170]
1/1 [=====] - 0s 69ms/step
>331, dr[0.646,1.567], df[0.344,0.104], g[2.156,0.315]
1/1 [=====] - 0s 93ms/step
>332, dr[0.498,0.567], df[0.629,0.064], g[2.339,0.320]
1/1 [=====] - 0s 70ms/step
>333, dr[0.372,1.140], df[0.416,0.083], g[2.593,0.163]
1/1 [=====] - 0s 77ms/step
>334, dr[0.911,0.479], df[0.915,0.054], g[2.419,0.065]
1/1 [=====] - 0s 67ms/step
>335, dr[0.713,1.113], df[0.234,0.097], g[1.792,0.107]
1/1 [=====] - 0s 85ms/step
>336, dr[0.553,0.928], df[0.853,0.065], g[1.587,0.077]
1/1 [=====] - 0s 69ms/step
>337, dr[0.363,1.157], df[0.478,0.053], g[2.118,0.130]
1/1 [=====] - 0s 78ms/step
>338, dr[0.765,0.822], df[0.360,0.043], g[1.534,0.076]
1/1 [=====] - 0s 74ms/step
>339, dr[0.276,0.499], df[0.541,0.186], g[1.695,0.082]
1/1 [=====] - 0s 72ms/step
>340, dr[0.697,0.855], df[0.719,0.262], g[1.766,0.217]
1/1 [=====] - 0s 69ms/step
>341, dr[0.741,0.752], df[0.647,0.171], g[1.463,0.110]
1/1 [=====] - 0s 68ms/step
>342, dr[0.585,0.803], df[0.340,0.107], g[1.499,0.160]
1/1 [=====] - 0s 82ms/step
>343, dr[0.426,0.999], df[0.546,0.084], g[1.330,0.218]
1/1 [=====] - 0s 75ms/step
>344, dr[0.695,0.623], df[1.103,0.092], g[1.538,0.223]
1/1 [=====] - 0s 76ms/step
>345, dr[0.570,0.896], df[0.627,0.250], g[1.871,0.257]
1/1 [=====] - 0s 82ms/step
>346, dr[0.797,0.599], df[0.500,0.217], g[1.692,0.162]
1/1 [=====] - 0s 76ms/step
>347, dr[0.778,0.857], df[0.576,0.123], g[1.110,0.137]
1/1 [=====] - 0s 68ms/step
>348, dr[0.420,1.260], df[0.624,0.232], g[1.547,0.208]
1/1 [=====] - 0s 80ms/step
>349, dr[0.640,1.130], df[0.481,0.120], g[1.607,0.298]
1/1 [=====] - 0s 73ms/step
>350, dr[0.388,0.703], df[0.469,0.067], g[2.053,0.259]
1/1 [=====] - 0s 77ms/step
>351, dr[0.294,0.541], df[0.216,0.086], g[2.287,0.100]
1/1 [=====] - 0s 70ms/step
>352, dr[0.352,0.431], df[0.194,0.171], g[1.998,0.107]
1/1 [=====] - 0s 73ms/step
>353, dr[0.349,0.861], df[0.251,0.068], g[1.617,0.088]
1/1 [=====] - 0s 75ms/step
>354, dr[0.228,0.851], df[0.336,0.136], g[1.651,0.063]
1/1 [=====] - 0s 69ms/step
>355, dr[0.199,0.733], df[0.200,0.125], g[1.969,0.049]
1/1 [=====] - 0s 75ms/step
>356, dr[0.382,0.461], df[0.514,0.035], g[1.956,0.055]
1/1 [=====] - 0s 70ms/step
>357, dr[0.471,0.575], df[0.551,0.104], g[1.652,0.179]
1/1 [=====] - 0s 73ms/step
>358, dr[0.477,0.631], df[0.604,0.120], g[1.796,0.140]
1/1 [=====] - 0s 67ms/step
>359, dr[0.682,1.063], df[0.874,0.191], g[2.198,0.081]
1/1 [=====] - 0s 77ms/step
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>360, dr[0.452,0.998], df[0.290,0.275], g[2.590,0.103]
1/1 [=====] - 0s 68ms/step
>361, dr[1.087,1.338], df[0.250,0.099], g[1.522,0.117]
1/1 [=====] - 0s 76ms/step
>362, dr[0.332,1.248], df[0.655,0.147], g[1.760,0.089]
1/1 [=====] - 0s 74ms/step
>363, dr[0.450,0.734], df[0.450,0.072], g[1.791,0.046]
1/1 [=====] - 0s 92ms/step
>364, dr[0.611,1.097], df[0.455,0.046], g[1.697,0.056]
1/1 [=====] - 0s 151ms/step
>365, dr[0.399,0.841], df[0.513,0.076], g[2.057,0.051]
1/1 [=====] - 0s 78ms/step
>366, dr[0.702,0.581], df[0.663,0.180], g[1.762,0.073]
1/1 [=====] - 0s 113ms/step
>367, dr[0.650,1.315], df[0.236,0.034], g[2.031,0.074]
1/1 [=====] - 0s 162ms/step
>368, dr[0.650,0.514], df[0.660,0.111], g[1.792,0.108]
1/1 [=====] - 0s 192ms/step
>369, dr[0.398,0.856], df[0.433,0.092], g[1.674,0.087]
1/1 [=====] - 0s 80ms/step
>370, dr[0.342,0.640], df[0.435,0.072], g[2.010,0.095]
1/1 [=====] - 0s 91ms/step
>371, dr[0.613,0.867], df[0.454,0.077], g[1.649,0.183]
1/1 [=====] - 0s 76ms/step
>372, dr[0.689,0.805], df[0.760,0.103], g[1.424,0.068]
1/1 [=====] - 0s 86ms/step
>373, dr[0.335,0.690], df[0.550,0.100], g[2.041,0.256]
1/1 [=====] - 0s 104ms/step
>374, dr[0.412,0.774], df[0.480,0.088], g[2.484,0.144]
1/1 [=====] - 0s 72ms/step
>375, dr[0.549,0.368], df[0.402,0.088], g[2.013,0.073]
1/1 [=====] - 0s 105ms/step
>376, dr[0.506,0.948], df[0.436,0.054], g[1.851,0.133]
1/1 [=====] - 0s 85ms/step
>377, dr[0.376,0.800], df[0.322,0.109], g[1.724,0.196]
1/1 [=====] - 0s 78ms/step
>378, dr[0.290,0.819], df[0.376,0.129], g[1.779,0.223]
1/1 [=====] - 0s 73ms/step
>379, dr[0.299,0.738], df[0.229,0.088], g[1.833,0.266]
1/1 [=====] - 0s 74ms/step
>380, dr[0.533,0.540], df[0.494,0.060], g[1.585,0.150]
1/1 [=====] - 0s 78ms/step
>381, dr[0.346,1.462], df[0.866,0.055], g[2.119,0.169]
1/1 [=====] - 0s 107ms/step
>382, dr[0.899,0.681], df[0.779,0.068], g[2.044,0.136]
1/1 [=====] - 0s 98ms/step
>383, dr[0.857,1.121], df[0.443,0.125], g[1.869,0.102]
1/1 [=====] - 0s 120ms/step
>384, dr[0.833,1.044], df[0.658,0.089], g[1.669,0.104]
1/1 [=====] - 0s 88ms/step
>385, dr[0.340,1.310], df[0.557,0.057], g[2.466,0.108]
1/1 [=====] - 0s 71ms/step
>386, dr[0.474,0.572], df[0.405,0.242], g[2.538,0.227]
1/1 [=====] - 0s 79ms/step
>387, dr[0.431,0.631], df[0.690,0.129], g[2.626,0.196]
1/1 [=====] - 0s 82ms/step
>388, dr[1.046,1.005], df[0.625,0.095], g[2.039,0.098]
1/1 [=====] - 0s 74ms/step
>389, dr[0.302,0.963], df[0.645,0.055], g[2.243,0.052]
1/1 [=====] - 0s 70ms/step
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>390, dr[0.475,0.872], df[0.191,0.063], g[2.486,0.051]
1/1 [=====] - 0s 68ms/step
>391, dr[0.556,0.907], df[0.633,0.135], g[1.618,0.063]
1/1 [=====] - 0s 72ms/step
>392, dr[0.367,0.637], df[0.435,0.062], g[2.065,0.114]
1/1 [=====] - 0s 67ms/step
>393, dr[0.634,1.283], df[0.356,0.240], g[1.907,0.104]
1/1 [=====] - 0s 87ms/step
>394, dr[0.633,0.539], df[0.547,0.279], g[2.296,0.109]
1/1 [=====] - 0s 84ms/step
>395, dr[0.401,0.699], df[0.331,0.536], g[2.488,0.064]
1/1 [=====] - 0s 87ms/step
>396, dr[0.502,1.552], df[0.206,0.115], g[1.730,0.116]
1/1 [=====] - 0s 117ms/step
>397, dr[0.401,1.322], df[0.337,0.182], g[1.650,0.064]
1/1 [=====] - 0s 83ms/step
>398, dr[0.177,0.851], df[0.344,0.476], g[2.026,0.035]
1/1 [=====] - 0s 79ms/step
>399, dr[0.333,0.647], df[0.249,0.122], g[1.724,0.130]
1/1 [=====] - 0s 81ms/step
>400, dr[0.226,1.170], df[0.489,0.471], g[2.452,0.204]
1/1 [=====] - 0s 76ms/step
>401, dr[0.693,0.689], df[0.263,0.176], g[1.728,0.086]
1/1 [=====] - 0s 207ms/step
>402, dr[0.224,0.949], df[0.383,0.113], g[2.029,0.102]
1/1 [=====] - 0s 84ms/step
>403, dr[0.447,1.039], df[0.279,0.012], g[1.527,0.117]
1/1 [=====] - 0s 78ms/step
>404, dr[0.191,0.849], df[0.660,0.023], g[2.261,0.061]
1/1 [=====] - 0s 87ms/step
>405, dr[0.640,0.547], df[0.838,0.055], g[2.185,0.098]
1/1 [=====] - 0s 75ms/step
>406, dr[0.602,0.543], df[0.799,0.075], g[2.614,0.089]
1/1 [=====] - 0s 73ms/step
>407, dr[1.154,1.005], df[0.410,0.425], g[1.988,0.044]
1/1 [=====] - 0s 74ms/step
>408, dr[0.564,1.180], df[0.934,0.297], g[2.515,0.229]
1/1 [=====] - 0s 76ms/step
>409, dr[0.471,1.470], df[0.288,0.179], g[2.225,0.067]
1/1 [=====] - 0s 80ms/step
>410, dr[0.414,0.750], df[0.348,0.162], g[2.165,0.052]
1/1 [=====] - 0s 83ms/step
>411, dr[0.412,0.965], df[0.214,0.144], g[1.540,0.106]
1/1 [=====] - 0s 68ms/step
>412, dr[0.185,0.629], df[0.425,0.132], g[1.689,0.144]
1/1 [=====] - 0s 78ms/step
>413, dr[0.248,0.565], df[0.556,0.168], g[2.232,0.146]
1/1 [=====] - 0s 69ms/step
>414, dr[0.663,0.842], df[0.532,0.128], g[2.390,0.132]
1/1 [=====] - 0s 79ms/step
>415, dr[0.814,1.285], df[0.418,0.107], g[1.701,0.091]
1/1 [=====] - 0s 72ms/step
>416, dr[0.381,1.057], df[1.218,0.256], g[2.055,0.099]
1/1 [=====] - 0s 73ms/step
>417, dr[0.633,0.390], df[0.304,0.209], g[2.243,0.121]
1/1 [=====] - 0s 74ms/step
>418, dr[0.755,0.792], df[0.424,0.205], g[1.898,0.088]
1/1 [=====] - 0s 75ms/step
>419, dr[0.404,0.783], df[0.429,0.096], g[1.571,0.107]
1/1 [=====] - 0s 82ms/step
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>420, dr[0.304,1.169], df[0.377,0.214], g[1.756,0.151]
1/1 [=====] - 0s 69ms/step
>421, dr[0.318,0.688], df[0.261,0.149], g[2.153,0.148]
1/1 [=====] - 0s 73ms/step
>422, dr[0.440,0.810], df[0.268,0.074], g[1.843,0.130]
1/1 [=====] - 0s 68ms/step
>423, dr[0.346,1.360], df[0.631,0.099], g[1.980,0.177]
1/1 [=====] - 0s 79ms/step
>424, dr[0.460,1.232], df[0.794,0.054], g[1.938,0.085]
1/1 [=====] - 0s 73ms/step
>425, dr[0.661,0.764], df[0.891,0.146], g[2.305,0.089]
1/1 [=====] - 0s 76ms/step
>426, dr[0.954,0.638], df[0.575,0.395], g[2.220,0.153]
1/1 [=====] - 0s 79ms/step
>427, dr[0.447,0.678], df[0.306,0.411], g[1.754,0.148]
1/1 [=====] - 0s 75ms/step
>428, dr[0.210,0.939], df[0.446,0.141], g[2.221,0.084]
1/1 [=====] - 0s 77ms/step
>429, dr[0.226,0.810], df[0.147,0.186], g[2.001,0.211]
1/1 [=====] - 0s 74ms/step
>430, dr[0.602,1.139], df[0.702,0.201], g[1.644,0.147]
1/1 [=====] - 0s 76ms/step
>431, dr[0.528,0.489], df[0.518,0.068], g[2.135,0.097]
1/1 [=====] - 0s 86ms/step
>432, dr[0.516,0.617], df[0.402,0.052], g[2.236,0.114]
1/1 [=====] - 0s 86ms/step
>433, dr[0.665,0.320], df[0.581,0.130], g[2.004,0.188]
1/1 [=====] - 0s 88ms/step
>434, dr[0.404,0.825], df[0.259,0.178], g[2.052,0.124]
1/1 [=====] - 0s 88ms/step
>435, dr[0.336,0.734], df[0.650,0.181], g[2.913,0.118]
1/1 [=====] - 0s 84ms/step
>436, dr[0.756,0.851], df[0.557,0.047], g[1.976,0.123]
1/1 [=====] - 0s 84ms/step
>437, dr[0.653,0.985], df[0.772,0.037], g[2.413,0.126]
1/1 [=====] - 0s 96ms/step
>438, dr[0.653,0.775], df[0.358,0.118], g[1.973,0.215]
1/1 [=====] - 0s 80ms/step
>439, dr[0.326,0.724], df[0.493,0.284], g[2.021,0.131]
1/1 [=====] - 0s 77ms/step
>440, dr[0.643,1.105], df[0.435,0.081], g[1.939,0.133]
1/1 [=====] - 0s 75ms/step
>441, dr[0.405,0.767], df[0.632,0.120], g[2.356,0.058]
1/1 [=====] - 0s 79ms/step
>442, dr[0.425,0.288], df[0.386,0.112], g[2.764,0.057]
1/1 [=====] - 0s 79ms/step
>443, dr[0.467,1.701], df[0.389,0.096], g[2.355,0.083]
1/1 [=====] - 0s 69ms/step
>444, dr[0.386,0.802], df[0.715,0.215], g[2.092,0.071]
1/1 [=====] - 0s 76ms/step
>445, dr[0.433,0.803], df[0.331,0.165], g[2.216,0.034]
1/1 [=====] - 0s 78ms/step
>446, dr[0.780,0.643], df[0.514,0.133], g[1.804,0.059]
1/1 [=====] - 0s 91ms/step
>447, dr[0.405,0.852], df[0.408,0.059], g[2.282,0.184]
1/1 [=====] - 0s 129ms/step
>448, dr[0.486,1.004], df[0.298,0.091], g[1.931,0.094]
1/1 [=====] - 0s 149ms/step
>449, dr[0.507,0.869], df[0.589,0.084], g[2.140,0.089]
1/1 [=====] - 0s 117ms/step
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>450, dr[0.340,0.596], df[0.475,0.109], g[2.476,0.258]
1/1 [=====] - 0s 102ms/step
>451, dr[1.052,0.788], df[0.529,0.129], g[2.347,0.245]
1/1 [=====] - 0s 91ms/step
>452, dr[0.256,0.736], df[0.507,0.073], g[2.821,0.114]
1/1 [=====] - 0s 141ms/step
>453, dr[0.565,0.717], df[0.245,0.126], g[2.351,0.091]
1/1 [=====] - 0s 95ms/step
>454, dr[0.370,0.593], df[0.567,0.126], g[2.706,0.196]
1/1 [=====] - 0s 176ms/step
>455, dr[0.625,0.508], df[0.198,0.088], g[2.772,0.076]
1/1 [=====] - 0s 113ms/step
>456, dr[0.641,1.266], df[0.511,0.500], g[2.121,0.110]
1/1 [=====] - 0s 88ms/step
>457, dr[0.196,1.428], df[0.175,0.182], g[2.184,0.136]
1/1 [=====] - 0s 82ms/step
>458, dr[0.305,0.729], df[0.334,0.090], g[2.136,0.179]
1/1 [=====] - 0s 100ms/step
>459, dr[0.219,0.801], df[0.287,0.110], g[1.924,0.084]
1/1 [=====] - 0s 78ms/step
>460, dr[0.361,0.555], df[0.241,0.135], g[2.718,0.098]
1/1 [=====] - 0s 73ms/step
>461, dr[0.417,1.142], df[0.625,0.261], g[2.328,0.185]
1/1 [=====] - 0s 90ms/step
>462, dr[0.178,0.648], df[0.247,0.104], g[2.332,0.057]
1/1 [=====] - 0s 73ms/step
>463, dr[0.901,1.079], df[0.633,0.080], g[1.845,0.089]
1/1 [=====] - 0s 80ms/step
>464, dr[0.186,0.681], df[0.734,0.100], g[2.606,0.150]
1/1 [=====] - 0s 83ms/step
>465, dr[0.427,0.813], df[0.758,0.190], g[2.868,0.142]
1/1 [=====] - 0s 74ms/step
>466, dr[0.984,0.720], df[0.714,0.326], g[2.332,0.069]
1/1 [=====] - 0s 70ms/step
>467, dr[0.588,1.021], df[1.041,0.434], g[2.370,0.081]
1/1 [=====] - 0s 71ms/step
>468, dr[0.674,0.770], df[0.784,0.087], g[2.879,0.088]
1/1 [=====] - 0s 77ms/step
>469, dr[0.430,0.472], df[0.336,0.211], g[3.076,0.145]
1/1 [=====] - 0s 94ms/step
>470, dr[0.316,0.666], df[0.380,0.118], g[2.720,0.214]
1/1 [=====] - 0s 86ms/step
>471, dr[0.372,1.270], df[0.708,0.105], g[2.944,0.269]
1/1 [=====] - 0s 92ms/step
>472, dr[0.745,0.785], df[0.383,0.312], g[2.588,0.099]
1/1 [=====] - 0s 84ms/step
>473, dr[0.866,0.745], df[0.605,0.277], g[2.300,0.071]
1/1 [=====] - 0s 126ms/step
>474, dr[0.951,0.778], df[0.343,0.256], g[1.595,0.146]
1/1 [=====] - 0s 78ms/step
>475, dr[0.453,1.255], df[0.380,0.210], g[1.289,0.242]
1/1 [=====] - 0s 72ms/step
>476, dr[0.525,0.359], df[0.122,0.164], g[0.541,0.217]
1/1 [=====] - 0s 80ms/step
>477, dr[0.318,0.712], df[0.565,0.116], g[0.448,0.166]
1/1 [=====] - 0s 102ms/step
>478, dr[0.405,0.586], df[0.318,0.112], g[0.354,0.267]
1/1 [=====] - 0s 72ms/step
>479, dr[0.422,1.148], df[0.450,0.075], g[0.217,0.209]
1/1 [=====] - 0s 75ms/step
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>480, dr[0.278,0.720], df[0.712,0.142], g[0.438,0.195]
1/1 [=====] - 0s 75ms/step
>481, dr[0.487,0.599], df[0.952,0.092], g[0.606,0.291]
1/1 [=====] - 0s 91ms/step
>482, dr[0.880,0.724], df[0.912,0.302], g[1.259,0.114]
1/1 [=====] - 0s 70ms/step
>483, dr[1.486,0.681], df[1.043,0.129], g[1.841,0.502]
1/1 [=====] - 0s 74ms/step
>484, dr[0.807,0.867], df[0.503,0.130], g[2.085,0.318]
1/1 [=====] - 0s 68ms/step
>485, dr[0.327,0.757], df[0.583,0.060], g[2.384,0.169]
1/1 [=====] - 0s 72ms/step
>486, dr[0.446,0.828], df[0.184,0.184], g[2.066,0.161]
1/1 [=====] - 0s 76ms/step
>487, dr[0.511,1.263], df[0.444,0.140], g[2.062,0.188]
1/1 [=====] - 0s 74ms/step
>488, dr[0.533,1.085], df[0.265,0.136], g[1.469,0.227]
1/1 [=====] - 0s 75ms/step
>489, dr[0.360,1.188], df[0.329,0.346], g[1.136,0.171]
1/1 [=====] - 0s 69ms/step
>490, dr[0.350,1.156], df[0.566,0.322], g[1.204,0.245]
1/1 [=====] - 0s 74ms/step
>491, dr[0.610,0.513], df[0.198,0.102], g[0.572,0.252]
1/1 [=====] - 0s 68ms/step
>492, dr[0.860,0.475], df[0.437,0.104], g[0.305,0.079]
1/1 [=====] - 0s 73ms/step
>493, dr[0.257,1.186], df[0.607,0.031], g[0.700,0.204]
1/1 [=====] - 0s 72ms/step
>494, dr[0.501,1.288], df[0.454,0.073], g[1.002,0.165]
1/1 [=====] - 0s 76ms/step
>495, dr[0.735,1.092], df[0.351,0.094], g[1.229,0.385]
1/1 [=====] - 0s 69ms/step
>496, dr[0.348,0.762], df[0.500,0.227], g[1.617,0.170]
1/1 [=====] - 0s 77ms/step
>497, dr[0.292,0.651], df[0.182,0.041], g[2.075,0.275]
1/1 [=====] - 0s 79ms/step
>498, dr[0.358,0.790], df[0.258,0.143], g[2.428,0.347]
1/1 [=====] - 0s 84ms/step
>499, dr[0.416,0.527], df[0.289,0.043], g[2.003,0.207]
1/1 [=====] - 0s 74ms/step
>500, dr[0.380,0.410], df[0.306,0.161], g[2.309,0.143]
1/1 [=====] - 0s 83ms/step
>501, dr[0.278,1.183], df[0.323,0.051], g[3.310,0.187]
1/1 [=====] - 0s 86ms/step
>502, dr[0.371,1.355], df[0.191,0.090], g[3.224,0.228]
1/1 [=====] - 0s 78ms/step
>503, dr[0.270,0.625], df[0.188,0.196], g[2.399,0.357]
1/1 [=====] - 0s 77ms/step
>504, dr[0.453,0.846], df[0.321,0.260], g[2.586,0.206]
1/1 [=====] - 0s 69ms/step
>505, dr[0.223,0.779], df[0.361,0.175], g[2.592,0.245]
1/1 [=====] - 0s 81ms/step
>506, dr[0.308,0.676], df[0.194,0.084], g[3.056,0.207]
1/1 [=====] - 0s 77ms/step
>507, dr[0.445,0.840], df[0.167,0.064], g[2.916,0.228]
1/1 [=====] - 0s 72ms/step
>508, dr[0.233,0.639], df[0.307,0.220], g[2.945,0.146]
1/1 [=====] - 0s 77ms/step
>509, dr[0.361,0.792], df[0.212,0.236], g[2.958,0.145]
1/1 [=====] - 0s 73ms/step
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>510, dr[0.137,0.979], df[0.264,0.119], g[3.459,0.103]
1/1 [=====] - 0s 75ms/step
>511, dr[0.470,0.834], df[0.372,0.048], g[3.148,0.174]
1/1 [=====] - 0s 73ms/step
>512, dr[0.286,1.184], df[0.304,0.237], g[3.058,0.201]
1/1 [=====] - 0s 80ms/step
>513, dr[0.661,1.189], df[0.412,0.162], g[2.168,0.222]
1/1 [=====] - 0s 74ms/step
>514, dr[0.312,0.796], df[0.878,0.192], g[2.594,0.289]
1/1 [=====] - 0s 72ms/step
>515, dr[0.575,1.226], df[0.500,0.276], g[3.240,0.187]
1/1 [=====] - 0s 80ms/step
>516, dr[0.641,0.889], df[0.547,0.363], g[2.273,0.549]
1/1 [=====] - 0s 73ms/step
>517, dr[0.437,0.692], df[0.635,0.377], g[2.244,0.264]
1/1 [=====] - 0s 75ms/step
>518, dr[0.567,0.791], df[0.444,0.362], g[2.286,0.077]
1/1 [=====] - 0s 74ms/step
>519, dr[0.117,0.978], df[0.315,0.268], g[1.969,0.191]
1/1 [=====] - 0s 79ms/step
>520, dr[0.225,1.286], df[0.549,0.321], g[2.126,0.074]
1/1 [=====] - 0s 83ms/step
>521, dr[0.355,0.928], df[0.160,0.082], g[1.439,0.110]
1/1 [=====] - 0s 75ms/step
>522, dr[0.205,0.692], df[0.593,0.057], g[1.517,0.122]
1/1 [=====] - 0s 69ms/step
>523, dr[0.250,1.174], df[0.452,0.096], g[1.685,0.167]
1/1 [=====] - 0s 75ms/step
>524, dr[0.697,1.186], df[0.675,0.095], g[1.491,0.214]
1/1 [=====] - 0s 73ms/step
>525, dr[0.764,1.113], df[1.006,0.090], g[1.983,0.140]
1/1 [=====] - 0s 78ms/step
>526, dr[1.255,0.822], df[0.742,0.097], g[2.085,0.145]
1/1 [=====] - 0s 80ms/step
>527, dr[1.166,0.803], df[0.654,0.073], g[2.003,0.272]
1/1 [=====] - 0s 90ms/step
>528, dr[0.734,0.865], df[0.585,0.129], g[1.885,0.166]
1/1 [=====] - 0s 76ms/step
>529, dr[0.685,0.812], df[0.515,0.246], g[1.410,0.140]
1/1 [=====] - 0s 71ms/step
>530, dr[0.410,0.849], df[0.515,0.089], g[1.339,0.157]
1/1 [=====] - 0s 75ms/step
>531, dr[0.700,0.875], df[0.770,0.196], g[1.173,0.146]
1/1 [=====] - 0s 76ms/step
>532, dr[0.405,1.054], df[0.223,0.091], g[0.927,0.160]
1/1 [=====] - 0s 76ms/step
>533, dr[0.210,1.159], df[0.374,0.082], g[1.272,0.276]
1/1 [=====] - 0s 74ms/step
>534, dr[0.349,1.063], df[0.475,0.096], g[1.075,0.108]
1/1 [=====] - 0s 70ms/step
>535, dr[0.540,0.360], df[0.213,0.083], g[0.611,0.196]
1/1 [=====] - 0s 73ms/step
>536, dr[0.272,0.496], df[0.504,0.160], g[0.817,0.212]
1/1 [=====] - 0s 78ms/step
>537, dr[0.226,0.953], df[0.366,0.135], g[1.293,0.165]
1/1 [=====] - 0s 78ms/step
>538, dr[0.500,1.218], df[0.563,0.085], g[0.988,0.161]
1/1 [=====] - 0s 70ms/step
>539, dr[0.284,0.441], df[0.722,0.196], g[2.124,0.263]
1/1 [=====] - 0s 72ms/step
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>540, dr[0.913,1.084], df[0.268,0.073], g[1.628,0.107]
1/1 [=====] - 0s 74ms/step
>541, dr[0.402,0.954], df[0.542,0.442], g[1.880,0.204]
1/1 [=====] - 0s 81ms/step
>542, dr[0.351,1.126], df[0.285,0.223], g[2.281,0.168]
1/1 [=====] - 0s 84ms/step
>543, dr[0.443,0.454], df[0.479,0.161], g[2.854,0.288]
1/1 [=====] - 0s 80ms/step
>544, dr[0.605,0.918], df[0.184,0.388], g[2.300,0.156]
1/1 [=====] - 0s 72ms/step
>545, dr[0.291,0.479], df[0.300,0.109], g[2.145,0.209]
1/1 [=====] - 0s 76ms/step
>546, dr[0.426,0.703], df[0.410,0.252], g[2.881,0.187]
1/1 [=====] - 0s 70ms/step
>547, dr[0.468,0.569], df[0.446,0.119], g[3.092,0.195]
1/1 [=====] - 0s 73ms/step
>548, dr[0.612,0.730], df[0.266,0.072], g[2.013,0.178]
1/1 [=====] - 0s 79ms/step
>549, dr[0.241,0.838], df[0.306,0.090], g[2.869,0.297]
1/1 [=====] - 0s 68ms/step
>550, dr[0.115,1.074], df[0.303,0.240], g[3.142,0.195]
1/1 [=====] - 0s 72ms/step
>551, dr[0.245,0.499], df[0.190,0.102], g[3.119,0.191]
1/1 [=====] - 0s 69ms/step
>552, dr[0.262,0.650], df[0.248,0.093], g[2.853,0.220]
1/1 [=====] - 0s 75ms/step
>553, dr[0.318,0.884], df[0.308,0.141], g[2.723,0.104]
1/1 [=====] - 0s 69ms/step
>554, dr[0.236,0.543], df[0.198,0.226], g[2.541,0.095]
1/1 [=====] - 0s 74ms/step
>555, dr[0.484,0.871], df[0.705,0.082], g[2.220,0.143]
1/1 [=====] - 0s 71ms/step
>556, dr[0.360,1.178], df[0.394,0.096], g[2.332,0.397]
1/1 [=====] - 0s 72ms/step
>557, dr[0.231,0.793], df[0.455,0.068], g[2.648,0.168]
1/1 [=====] - 0s 73ms/step
>558, dr[0.624,0.703], df[0.429,0.073], g[3.159,0.106]
1/1 [=====] - 0s 74ms/step
>559, dr[0.426,0.596], df[0.468,0.133], g[2.419,0.120]
1/1 [=====] - 0s 66ms/step
>560, dr[0.497,1.057], df[0.302,0.200], g[2.159,0.100]
1/1 [=====] - 0s 74ms/step
>561, dr[0.391,0.482], df[0.486,0.070], g[1.822,0.200]
1/1 [=====] - 0s 72ms/step
>562, dr[0.238,0.514], df[0.569,0.154], g[2.851,0.224]
1/1 [=====] - 0s 79ms/step
>563, dr[0.633,0.565], df[0.305,0.134], g[2.711,0.225]
1/1 [=====] - 0s 69ms/step
>564, dr[0.376,0.484], df[0.444,0.177], g[2.970,0.176]
1/1 [=====] - 0s 70ms/step
>565, dr[0.702,0.499], df[0.482,0.121], g[2.616,0.185]
1/1 [=====] - 0s 71ms/step
>566, dr[0.398,2.208], df[0.305,0.144], g[2.808,0.135]
1/1 [=====] - 0s 73ms/step
>567, dr[0.603,0.784], df[0.288,0.179], g[2.174,0.182]
1/1 [=====] - 0s 68ms/step
>568, dr[0.360,0.634], df[0.384,0.112], g[2.470,0.318]
1/1 [=====] - 0s 68ms/step
>569, dr[0.299,0.749], df[0.643,0.183], g[3.101,0.262]
1/1 [=====] - 0s 75ms/step
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>570, dr[0.486,0.706], df[0.251,0.317], g[3.114,0.120]
1/1 [=====] - 0s 81ms/step
>571, dr[0.189,0.581], df[0.544,0.274], g[3.484,0.174]
1/1 [=====] - 0s 74ms/step
>572, dr[0.348,0.989], df[0.555,0.178], g[3.294,0.229]
1/1 [=====] - 0s 70ms/step
>573, dr[0.358,0.703], df[0.733,0.489], g[2.508,0.107]
1/1 [=====] - 0s 76ms/step
>574, dr[0.521,0.813], df[0.480,0.319], g[2.262,0.235]
1/1 [=====] - 0s 82ms/step
>575, dr[0.378,0.796], df[0.659,0.613], g[2.247,0.153]
1/1 [=====] - 0s 79ms/step
>576, dr[0.391,0.968], df[0.396,0.262], g[1.844,0.124]
1/1 [=====] - 0s 73ms/step
>577, dr[0.347,0.587], df[0.533,0.138], g[1.673,0.269]
1/1 [=====] - 0s 71ms/step
>578, dr[0.558,0.804], df[0.824,0.086], g[2.367,0.197]
1/1 [=====] - 0s 78ms/step
>579, dr[0.550,1.200], df[0.268,0.234], g[2.440,0.255]
1/1 [=====] - 0s 67ms/step
>580, dr[0.433,0.516], df[0.524,0.152], g[2.557,0.150]
1/1 [=====] - 0s 72ms/step
>581, dr[0.507,0.911], df[0.218,0.132], g[2.899,0.161]
1/1 [=====] - 0s 74ms/step
>582, dr[0.968,0.504], df[0.691,0.288], g[2.939,0.428]
1/1 [=====] - 0s 79ms/step
>583, dr[0.527,0.788], df[0.123,0.306], g[2.714,0.093]
1/1 [=====] - 0s 72ms/step
>584, dr[0.270,0.605], df[0.178,0.196], g[2.635,0.184]
1/1 [=====] - 0s 73ms/step
>585, dr[0.430,1.309], df[0.390,0.047], g[2.094,0.157]
1/1 [=====] - 0s 69ms/step
>586, dr[0.391,1.022], df[0.398,0.134], g[1.554,0.129]
1/1 [=====] - 0s 81ms/step
>587, dr[0.407,0.564], df[0.755,0.103], g[1.593,0.105]
1/1 [=====] - 0s 71ms/step
>588, dr[0.541,0.812], df[0.499,0.203], g[1.676,0.132]
1/1 [=====] - 0s 71ms/step
>589, dr[0.572,0.579], df[0.257,0.171], g[1.355,0.135]
1/1 [=====] - 0s 77ms/step
>590, dr[0.230,0.711], df[0.207,0.274], g[1.280,0.270]
1/1 [=====] - 0s 75ms/step
>591, dr[0.214,0.773], df[0.301,0.131], g[1.257,0.076]
1/1 [=====] - 0s 74ms/step
>592, dr[0.141,0.602], df[0.554,0.301], g[1.651,0.108]
1/1 [=====] - 0s 80ms/step
>593, dr[0.346,0.989], df[0.363,0.077], g[2.217,0.162]
1/1 [=====] - 0s 79ms/step
>594, dr[0.483,0.205], df[0.347,0.175], g[2.015,0.130]
1/1 [=====] - 0s 72ms/step
>595, dr[0.382,1.384], df[0.222,0.162], g[1.894,0.129]
1/1 [=====] - 0s 75ms/step
>596, dr[0.484,1.025], df[0.500,0.131], g[1.583,0.245]
1/1 [=====] - 0s 71ms/step
>597, dr[0.535,0.634], df[0.192,0.157], g[0.978,0.188]
1/1 [=====] - 0s 82ms/step
>598, dr[0.468,1.048], df[0.414,0.067], g[0.758,0.153]
1/1 [=====] - 0s 71ms/step
>599, dr[0.411,0.568], df[0.284,0.236], g[0.581,0.224]
1/1 [=====] - 0s 77ms/step
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>600, dr[0.469,0.736], df[0.438,0.110], g[0.497,0.127]
1/1 [=====] - 0s 80ms/step
>601, dr[0.483,0.882], df[0.400,0.056], g[0.965,0.327]
1/1 [=====] - 0s 78ms/step
>602, dr[0.625,0.693], df[0.488,0.024], g[1.352,0.148]
1/1 [=====] - 0s 73ms/step
>603, dr[0.517,1.376], df[0.210,0.061], g[1.872,0.137]
1/1 [=====] - 0s 80ms/step
>604, dr[0.399,0.424], df[0.247,0.057], g[1.989,0.152]
1/1 [=====] - 0s 68ms/step
>605, dr[0.264,0.443], df[0.326,0.093], g[2.385,0.157]
1/1 [=====] - 0s 75ms/step
>606, dr[0.265,0.449], df[0.105,0.108], g[1.923,0.254]
1/1 [=====] - 0s 74ms/step
>607, dr[0.345,0.732], df[0.295,0.061], g[1.882,0.132]
1/1 [=====] - 0s 69ms/step
>608, dr[0.276,1.248], df[0.274,0.102], g[1.857,0.227]
1/1 [=====] - 0s 73ms/step
>609, dr[0.163,0.614], df[0.328,0.055], g[2.540,0.102]
1/1 [=====] - 0s 69ms/step
>610, dr[0.356,0.729], df[0.184,0.079], g[2.154,0.216]
1/1 [=====] - 0s 84ms/step
>611, dr[0.387,0.734], df[0.198,0.038], g[1.808,0.142]
1/1 [=====] - 0s 74ms/step
>612, dr[0.213,0.879], df[0.365,0.045], g[2.462,0.184]
1/1 [=====] - 0s 80ms/step
>613, dr[0.291,0.788], df[0.318,0.159], g[3.542,0.155]
1/1 [=====] - 0s 77ms/step
>614, dr[0.293,0.949], df[0.084,0.104], g[2.290,0.186]
1/1 [=====] - 0s 70ms/step
>615, dr[0.346,1.095], df[0.269,0.078], g[2.697,0.187]
1/1 [=====] - 0s 71ms/step
>616, dr[0.164,1.371], df[0.302,0.127], g[2.915,0.157]
1/1 [=====] - 0s 69ms/step
>617, dr[0.246,0.603], df[0.284,0.070], g[3.498,0.080]
1/1 [=====] - 0s 66ms/step
>618, dr[0.714,0.935], df[0.234,0.077], g[2.375,0.063]
1/1 [=====] - 0s 72ms/step
>619, dr[0.231,0.555], df[0.474,0.096], g[3.435,0.121]
1/1 [=====] - 0s 75ms/step
>620, dr[0.368,0.793], df[0.304,0.109], g[3.261,0.115]
1/1 [=====] - 0s 71ms/step
>621, dr[0.405,1.295], df[0.188,0.212], g[3.606,0.283]
1/1 [=====] - 0s 80ms/step
>622, dr[0.444,0.691], df[0.274,0.079], g[2.422,0.122]
1/1 [=====] - 0s 69ms/step
>623, dr[0.153,0.569], df[0.290,0.109], g[2.520,0.200]
1/1 [=====] - 0s 78ms/step
>624, dr[0.247,1.034], df[0.317,0.292], g[3.179,0.100]
1/1 [=====] - 0s 71ms/step
>625, dr[0.262,0.468], df[0.245,0.093], g[3.239,0.208]
1/1 [=====] - 0s 76ms/step
>626, dr[0.323,0.778], df[0.209,0.162], g[3.066,0.104]
1/1 [=====] - 0s 80ms/step
>627, dr[0.408,0.772], df[0.325,0.146], g[2.912,0.130]
1/1 [=====] - 0s 74ms/step
>628, dr[0.376,0.661], df[0.169,0.087], g[2.609,0.074]
1/1 [=====] - 0s 81ms/step
>629, dr[0.112,0.799], df[0.459,0.091], g[2.599,0.127]
1/1 [=====] - 0s 74ms/step
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>630, dr[0.182,0.989], df[0.235,0.126], g[3.379,0.055]
1/1 [=====] - 0s 77ms/step
>631, dr[0.337,0.942], df[0.219,0.123], g[3.067,0.198]
1/1 [=====] - 0s 79ms/step
>632, dr[0.464,0.710], df[0.284,0.229], g[2.054,0.125]
1/1 [=====] - 0s 80ms/step
>633, dr[0.384,0.719], df[0.464,0.199], g[1.375,0.139]
1/1 [=====] - 0s 78ms/step
>634, dr[0.212,0.690], df[0.423,0.247], g[1.563,0.100]
1/1 [=====] - 0s 74ms/step
>635, dr[0.593,1.081], df[0.547,0.093], g[2.086,0.110]
1/1 [=====] - 0s 70ms/step
>636, dr[0.260,0.397], df[0.654,0.096], g[2.305,0.119]
1/1 [=====] - 0s 81ms/step
>637, dr[0.481,0.588], df[0.694,0.191], g[2.444,0.225]
1/1 [=====] - 0s 82ms/step
>638, dr[0.293,1.251], df[0.343,0.103], g[2.135,0.072]
1/1 [=====] - 0s 76ms/step
>639, dr[0.515,0.836], df[0.213,0.311], g[2.313,0.135]
1/1 [=====] - 0s 90ms/step
>640, dr[0.636,0.785], df[0.438,0.078], g[1.609,0.187]
1/1 [=====] - 0s 73ms/step
>641, dr[0.277,0.859], df[0.749,0.244], g[2.443,0.149]
1/1 [=====] - 0s 72ms/step
>642, dr[0.262,0.690], df[0.267,0.122], g[3.479,0.155]
1/1 [=====] - 0s 81ms/step
>643, dr[0.478,1.238], df[0.155,0.131], g[3.000,0.111]
1/1 [=====] - 0s 73ms/step
>644, dr[0.335,0.759], df[0.239,0.143], g[3.203,0.057]
1/1 [=====] - 0s 72ms/step
>645, dr[0.205,1.110], df[0.116,0.231], g[3.464,0.179]
1/1 [=====] - 0s 72ms/step
>646, dr[0.218,0.812], df[0.138,0.127], g[3.269,0.116]
1/1 [=====] - 0s 78ms/step
>647, dr[0.260,1.105], df[0.386,0.105], g[3.465,0.087]
1/1 [=====] - 0s 78ms/step
>648, dr[0.128,0.810], df[0.279,0.102], g[3.855,0.130]
1/1 [=====] - 0s 87ms/step
>649, dr[0.374,0.899], df[0.149,0.148], g[3.873,0.183]
1/1 [=====] - 0s 136ms/step
>650, dr[0.659,0.800], df[0.236,0.205], g[2.604,0.134]
1/1 [=====] - 0s 79ms/step
>651, dr[0.157,0.839], df[0.252,0.114], g[3.245,0.098]
1/1 [=====] - 0s 74ms/step
>652, dr[0.069,0.787], df[0.240,0.105], g[3.468,0.097]
1/1 [=====] - 0s 76ms/step
>653, dr[0.263,0.807], df[0.139,0.142], g[2.986,0.093]
1/1 [=====] - 0s 80ms/step
>654, dr[0.091,0.862], df[0.217,0.150], g[3.512,0.087]
1/1 [=====] - 0s 76ms/step
>655, dr[0.167,1.234], df[0.214,0.236], g[3.400,0.108]
1/1 [=====] - 0s 84ms/step
>656, dr[0.294,0.349], df[0.155,0.129], g[4.447,0.065]
1/1 [=====] - 0s 82ms/step
>657, dr[0.079,0.425], df[0.085,0.117], g[4.484,0.081]
1/1 [=====] - 0s 88ms/step
>658, dr[0.101,0.592], df[0.062,0.140], g[3.795,0.085]
1/1 [=====] - 0s 77ms/step
>659, dr[0.123,0.943], df[0.087,0.232], g[3.985,0.107]
1/1 [=====] - 0s 77ms/step
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>660, dr[0.141,0.499], df[0.106,0.209], g[3.980,0.136]
1/1 [=====] - 0s 73ms/step
>661, dr[0.169,0.599], df[0.146,0.271], g[4.091,0.059]
1/1 [=====] - 0s 79ms/step
>662, dr[0.070,1.028], df[0.156,0.216], g[4.044,0.107]
1/1 [=====] - 0s 80ms/step
>663, dr[0.056,0.968], df[0.100,0.278], g[4.114,0.129]
1/1 [=====] - 0s 74ms/step
>664, dr[0.106,1.198], df[0.055,0.294], g[4.051,0.061]
1/1 [=====] - 0s 85ms/step
>665, dr[0.360,0.643], df[0.045,0.502], g[3.313,0.156]
1/1 [=====] - 0s 80ms/step
>666, dr[0.067,1.469], df[0.177,0.312], g[3.064,0.089]
1/1 [=====] - 0s 91ms/step
>667, dr[0.028,0.436], df[0.077,0.272], g[3.372,0.129]
1/1 [=====] - 0s 80ms/step
>668, dr[0.199,0.841], df[0.136,0.117], g[3.240,0.201]
1/1 [=====] - 0s 78ms/step
>669, dr[0.105,0.882], df[0.110,0.084], g[3.458,0.190]
1/1 [=====] - 0s 71ms/step
>670, dr[0.112,0.678], df[0.184,0.164], g[3.047,0.141]
1/1 [=====] - 0s 79ms/step
>671, dr[0.081,1.680], df[0.083,0.082], g[3.540,0.105]
1/1 [=====] - 0s 78ms/step
>672, dr[0.101,1.050], df[0.075,0.083], g[3.451,0.099]
1/1 [=====] - 0s 72ms/step
>673, dr[0.054,0.657], df[0.050,0.056], g[2.942,0.180]
1/1 [=====] - 0s 80ms/step
>674, dr[0.069,0.815], df[0.094,0.218], g[3.908,0.145]
1/1 [=====] - 0s 78ms/step
>675, dr[0.035,0.950], df[0.086,0.065], g[3.814,0.155]
1/1 [=====] - 0s 96ms/step
>676, dr[0.095,0.965], df[0.105,0.090], g[4.029,0.152]
1/1 [=====] - 0s 68ms/step
>677, dr[0.079,0.908], df[0.086,0.091], g[4.446,0.395]
1/1 [=====] - 0s 77ms/step
>678, dr[0.164,0.910], df[0.086,0.330], g[3.750,0.274]
1/1 [=====] - 0s 77ms/step
>679, dr[0.127,1.032], df[0.133,0.108], g[3.393,0.171]
1/1 [=====] - 0s 85ms/step
>680, dr[0.033,1.489], df[0.183,0.112], g[3.762,0.186]
1/1 [=====] - 0s 82ms/step
>681, dr[0.073,0.980], df[0.462,0.112], g[4.363,0.147]
1/1 [=====] - 0s 81ms/step
>682, dr[0.119,0.673], df[0.306,0.159], g[3.742,0.111]
1/1 [=====] - 0s 90ms/step
>683, dr[0.149,0.879], df[0.675,0.064], g[4.916,0.152]
1/1 [=====] - 0s 80ms/step
>684, dr[1.302,1.039], df[0.362,0.340], g[2.956,0.122]
1/1 [=====] - 0s 80ms/step
>685, dr[0.153,0.842], df[0.394,0.270], g[2.418,0.070]
1/1 [=====] - 0s 89ms/step
>686, dr[0.108,0.941], df[0.345,0.251], g[2.381,0.090]
1/1 [=====] - 0s 87ms/step
>687, dr[0.437,0.678], df[0.050,0.133], g[1.178,0.112]
1/1 [=====] - 0s 91ms/step
>688, dr[0.280,0.943], df[0.089,0.066], g[0.684,0.081]
1/1 [=====] - 0s 88ms/step
>689, dr[0.150,0.375], df[0.483,0.255], g[1.069,0.176]
1/1 [=====] - 0s 81ms/step
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>690, dr[0.342,0.674], df[0.279,0.032], g[1.196,0.215]
1/1 [=====] - 0s 87ms/step
>691, dr[0.251,0.692], df[0.338,0.222], g[1.847,0.219]
1/1 [=====] - 0s 74ms/step
>692, dr[0.275,0.526], df[0.256,0.130], g[1.431,0.187]
1/1 [=====] - 0s 85ms/step
>693, dr[0.312,0.793], df[0.306,0.020], g[2.237,0.224]
1/1 [=====] - 0s 74ms/step
>694, dr[0.273,0.892], df[0.219,0.116], g[1.916,0.192]
1/1 [=====] - 0s 80ms/step
>695, dr[0.403,0.618], df[0.372,0.212], g[2.339,0.248]
1/1 [=====] - 0s 77ms/step
>696, dr[0.364,0.665], df[0.125,0.157], g[1.558,0.347]
1/1 [=====] - 0s 76ms/step
>697, dr[0.655,0.666], df[0.702,0.327], g[2.016,0.244]
1/1 [=====] - 0s 85ms/step
>698, dr[0.217,1.130], df[0.255,0.110], g[2.347,0.187]
1/1 [=====] - 0s 83ms/step
>699, dr[0.235,1.172], df[0.399,0.122], g[2.510,0.208]
1/1 [=====] - 0s 82ms/step
>700, dr[0.471,0.419], df[0.271,0.038], g[1.526,0.118]
1/1 [=====] - 0s 72ms/step
>701, dr[0.233,0.727], df[0.441,0.277], g[2.104,0.188]
1/1 [=====] - 0s 79ms/step
>702, dr[0.707,0.723], df[0.493,0.068], g[1.260,0.192]
1/1 [=====] - 0s 88ms/step
>703, dr[0.292,0.878], df[0.070,0.104], g[1.252,0.113]
1/1 [=====] - 0s 74ms/step
>704, dr[0.081,0.722], df[0.231,0.111], g[1.256,0.056]
1/1 [=====] - 0s 78ms/step
>705, dr[0.149,0.937], df[0.193,0.141], g[1.258,0.100]
1/1 [=====] - 0s 72ms/step
>706, dr[0.102,1.263], df[0.178,0.041], g[1.430,0.145]
1/1 [=====] - 0s 83ms/step
>707, dr[0.180,1.580], df[0.239,0.169], g[1.367,0.139]
1/1 [=====] - 0s 68ms/step
>708, dr[0.594,0.552], df[0.707,0.273], g[1.983,0.179]
1/1 [=====] - 0s 81ms/step
>709, dr[0.462,0.546], df[0.403,0.285], g[2.896,0.134]
1/1 [=====] - 0s 78ms/step
>710, dr[0.785,1.938], df[0.117,0.185], g[2.471,0.239]
1/1 [=====] - 0s 81ms/step
>711, dr[0.377,0.693], df[0.336,0.220], g[2.164,0.202]
1/1 [=====] - 0s 85ms/step
>712, dr[0.254,0.885], df[0.384,0.074], g[2.678,0.109]
1/1 [=====] - 0s 71ms/step
>713, dr[0.168,1.112], df[0.088,0.058], g[2.499,0.117]
1/1 [=====] - 0s 81ms/step
>714, dr[0.318,0.968], df[0.230,0.259], g[1.738,0.086]
1/1 [=====] - 0s 67ms/step
>715, dr[0.163,0.790], df[0.396,0.092], g[2.637,0.097]
1/1 [=====] - 0s 76ms/step
>716, dr[0.509,0.651], df[0.501,0.093], g[2.134,0.080]
1/1 [=====] - 0s 80ms/step
>717, dr[0.305,0.386], df[0.404,0.120], g[2.356,0.084]
1/1 [=====] - 0s 77ms/step
>718, dr[0.461,0.873], df[0.124,0.320], g[2.259,0.153]
1/1 [=====] - 0s 75ms/step
>719, dr[0.259,1.278], df[0.148,0.052], g[1.631,0.228]
1/1 [=====] - 0s 85ms/step
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>720, dr[0.194,1.066], df[0.313,0.123], g[1.748,0.103]
1/1 [=====] - 0s 82ms/step
>721, dr[0.188,0.725], df[0.240,0.172], g[2.060,0.232]
1/1 [=====] - 0s 78ms/step
>722, dr[0.223,1.029], df[0.311,0.059], g[2.343,0.319]
1/1 [=====] - 0s 74ms/step
>723, dr[0.260,1.171], df[0.241,0.129], g[2.404,0.097]
1/1 [=====] - 0s 74ms/step
>724, dr[0.297,0.348], df[0.154,0.134], g[2.118,0.177]
1/1 [=====] - 0s 78ms/step
>725, dr[0.385,0.463], df[0.425,0.106], g[1.548,0.189]
1/1 [=====] - 0s 82ms/step
>726, dr[0.157,1.241], df[0.198,0.093], g[2.811,0.109]
1/1 [=====] - 0s 77ms/step
>727, dr[0.549,0.613], df[0.442,0.135], g[1.861,0.204]
1/1 [=====] - 0s 143ms/step
>728, dr[0.080,0.854], df[0.226,0.040], g[2.624,0.231]
1/1 [=====] - 0s 77ms/step
>729, dr[0.444,1.215], df[0.296,0.190], g[2.496,0.093]
1/1 [=====] - 0s 98ms/step
>730, dr[0.352,1.004], df[0.343,0.176], g[2.106,0.111]
1/1 [=====] - 0s 73ms/step
>731, dr[0.206,0.933], df[0.496,0.086], g[3.213,0.104]
1/1 [=====] - 0s 78ms/step
>732, dr[0.969,0.706], df[0.573,0.147], g[2.113,0.117]
1/1 [=====] - 0s 88ms/step
>733, dr[0.311,0.769], df[0.338,0.058], g[2.195,0.239]
1/1 [=====] - 0s 70ms/step
>734, dr[0.184,1.056], df[0.230,0.141], g[2.683,0.203]
1/1 [=====] - 0s 84ms/step
>735, dr[0.294,0.525], df[0.313,0.104], g[3.114,0.164]
1/1 [=====] - 0s 71ms/step
>736, dr[0.301,1.318], df[0.154,0.127], g[2.576,0.281]
1/1 [=====] - 0s 87ms/step
>737, dr[0.364,0.689], df[0.212,0.089], g[2.215,0.248]
1/1 [=====] - 0s 100ms/step
>738, dr[0.142,0.563], df[0.312,0.082], g[2.802,0.189]
1/1 [=====] - 0s 76ms/step
>739, dr[0.189,0.694], df[0.244,0.174], g[2.282,0.230]
1/1 [=====] - 0s 78ms/step
>740, dr[0.160,0.670], df[0.324,0.133], g[3.182,0.155]
1/1 [=====] - 0s 71ms/step
>741, dr[0.370,0.584], df[0.115,0.197], g[2.087,0.156]
1/1 [=====] - 0s 73ms/step
>742, dr[0.175,0.513], df[0.384,0.131], g[2.705,0.071]
1/1 [=====] - 0s 89ms/step
>743, dr[0.380,0.968], df[0.298,0.137], g[2.544,0.132]
1/1 [=====] - 0s 76ms/step
>744, dr[0.206,0.717], df[0.442,0.101], g[2.741,0.079]
1/1 [=====] - 0s 85ms/step
>745, dr[0.412,1.262], df[0.351,0.076], g[2.958,0.199]
1/1 [=====] - 0s 78ms/step
>746, dr[0.626,0.956], df[0.263,0.038], g[2.491,0.129]
1/1 [=====] - 0s 80ms/step
>747, dr[0.426,0.519], df[0.428,0.044], g[2.430,0.108]
1/1 [=====] - 0s 80ms/step
>748, dr[0.310,0.398], df[0.491,0.138], g[2.744,0.085]
1/1 [=====] - 0s 74ms/step
>749, dr[0.392,0.959], df[0.088,0.074], g[2.428,0.217]
1/1 [=====] - 0s 77ms/step
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>750, dr[0.280,0.473], df[0.198,0.137], g[2.546,0.192]
1/1 [=====] - 0s 75ms/step
>751, dr[0.554,0.468], df[0.507,0.077], g[2.219,0.139]
1/1 [=====] - 0s 80ms/step
>752, dr[0.239,0.842], df[0.201,0.089], g[2.563,0.175]
1/1 [=====] - 0s 75ms/step
>753, dr[0.131,0.532], df[0.184,0.130], g[2.938,0.196]
1/1 [=====] - 0s 81ms/step
>754, dr[0.376,0.992], df[0.223,0.173], g[2.780,0.110]
1/1 [=====] - 0s 72ms/step
>755, dr[0.089,0.687], df[0.262,0.168], g[2.655,0.149]
1/1 [=====] - 0s 72ms/step
>756, dr[0.379,0.532], df[0.354,0.066], g[2.898,0.141]
1/1 [=====] - 0s 72ms/step
>757, dr[0.284,1.122], df[0.266,0.178], g[2.741,0.123]
1/1 [=====] - 0s 81ms/step
>758, dr[0.163,0.667], df[0.288,0.138], g[3.193,0.102]
1/1 [=====] - 0s 73ms/step
>759, dr[0.423,0.716], df[0.249,0.216], g[2.708,0.178]
1/1 [=====] - 0s 76ms/step
>760, dr[0.290,0.894], df[0.216,0.156], g[2.888,0.096]
1/1 [=====] - 0s 80ms/step
>761, dr[0.131,0.832], df[0.237,0.076], g[3.001,0.114]
1/1 [=====] - 0s 73ms/step
>762, dr[0.354,1.001], df[0.254,0.092], g[2.688,0.072]
1/1 [=====] - 0s 86ms/step
>763, dr[0.434,1.468], df[0.389,0.057], g[2.247,0.158]
1/1 [=====] - 0s 75ms/step
>764, dr[0.271,0.993], df[0.545,0.115], g[2.270,0.115]
1/1 [=====] - 0s 87ms/step
>765, dr[0.357,1.258], df[0.836,0.302], g[1.986,0.057]
1/1 [=====] - 0s 77ms/step
>766, dr[0.811,0.384], df[0.262,0.049], g[0.895,0.190]
1/1 [=====] - 0s 74ms/step
>767, dr[0.185,0.632], df[0.349,0.057], g[0.974,0.196]
1/1 [=====] - 0s 76ms/step
>768, dr[0.393,0.700], df[0.772,0.075], g[1.241,0.130]
1/1 [=====] - 0s 77ms/step
>769, dr[0.095,1.057], df[0.183,0.121], g[2.034,0.130]
1/1 [=====] - 0s 83ms/step
>770, dr[0.717,1.039], df[0.432,0.155], g[1.481,0.175]
1/1 [=====] - 0s 81ms/step
>771, dr[0.649,0.440], df[0.659,0.132], g[2.286,0.170]
1/1 [=====] - 0s 84ms/step
>772, dr[0.576,0.838], df[0.300,0.085], g[2.190,0.144]
1/1 [=====] - 0s 73ms/step
>773, dr[0.197,0.830], df[0.249,0.116], g[2.307,0.155]
1/1 [=====] - 0s 80ms/step
>774, dr[0.432,0.783], df[0.390,0.112], g[2.918,0.207]
1/1 [=====] - 0s 91ms/step
>775, dr[0.527,1.425], df[0.155,0.215], g[1.911,0.151]
1/1 [=====] - 0s 77ms/step
>776, dr[0.315,0.559], df[0.278,0.258], g[1.326,0.271]
1/1 [=====] - 0s 88ms/step
>777, dr[0.064,0.708], df[0.281,0.057], g[2.321,0.236]
1/1 [=====] - 0s 86ms/step
>778, dr[0.215,0.706], df[0.144,0.244], g[2.883,0.207]
1/1 [=====] - 0s 84ms/step
>779, dr[0.404,0.979], df[0.145,0.087], g[1.597,0.159]
1/1 [=====] - 0s 79ms/step
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>780, dr[0.250,0.702], df[0.311,0.094], g[2.857,0.298]
1/1 [=====] - 0s 81ms/step
>781, dr[0.100,0.889], df[0.074,0.103], g[3.725,0.255]
1/1 [=====] - 0s 80ms/step
>782, dr[0.076,0.624], df[0.113,0.097], g[4.028,0.273]
1/1 [=====] - 0s 82ms/step
>783, dr[0.367,0.903], df[0.040,0.095], g[3.873,0.314]
1/1 [=====] - 0s 74ms/step
>784, dr[0.114,0.442], df[0.120,0.114], g[2.843,0.250]
1/1 [=====] - 0s 79ms/step
>785, dr[0.035,1.019], df[0.038,0.157], g[3.057,0.417]
1/1 [=====] - 0s 73ms/step
>786, dr[0.205,0.611], df[0.058,0.152], g[2.750,0.210]
1/1 [=====] - 0s 86ms/step
>787, dr[0.080,0.659], df[0.083,0.130], g[2.701,0.233]
1/1 [=====] - 0s 80ms/step
>788, dr[0.059,0.639], df[0.076,0.041], g[3.067,0.120]
1/1 [=====] - 0s 81ms/step
>789, dr[0.094,1.207], df[0.130,0.136], g[3.432,0.282]
1/1 [=====] - 0s 72ms/step
>790, dr[0.123,1.048], df[0.144,0.181], g[3.335,0.141]
1/1 [=====] - 0s 82ms/step
>791, dr[0.061,0.744], df[0.082,0.099], g[3.713,0.107]
1/1 [=====] - 0s 78ms/step
>792, dr[0.060,0.644], df[0.052,0.132], g[3.798,0.157]
1/1 [=====] - 0s 70ms/step
>793, dr[0.133,0.680], df[0.153,0.128], g[3.364,0.312]
1/1 [=====] - 0s 78ms/step
>794, dr[0.070,0.664], df[0.113,0.062], g[3.142,0.228]
1/1 [=====] - 0s 83ms/step
>795, dr[0.123,1.107], df[0.123,0.045], g[3.115,0.193]
1/1 [=====] - 0s 70ms/step
>796, dr[0.062,1.116], df[0.090,0.181], g[3.002,0.322]
1/1 [=====] - 0s 92ms/step
>797, dr[0.127,0.930], df[0.086,0.053], g[2.751,0.262]
1/1 [=====] - 0s 74ms/step
>798, dr[0.126,0.624], df[0.111,0.028], g[1.942,0.287]
1/1 [=====] - 0s 72ms/step
>799, dr[0.035,0.749], df[0.151,0.096], g[2.047,0.208]
1/1 [=====] - 0s 82ms/step
>800, dr[0.022,0.941], df[0.085,0.114], g[3.116,0.206]
1/1 [=====] - 0s 71ms/step
>801, dr[0.182,0.993], df[0.035,0.137], g[2.315,0.202]
1/1 [=====] - 0s 81ms/step
>802, dr[0.020,0.775], df[0.086,0.077], g[2.713,0.340]
1/1 [=====] - 0s 93ms/step
>803, dr[0.111,0.719], df[0.110,0.067], g[2.867,0.165]
1/1 [=====] - 0s 83ms/step
>804, dr[0.135,0.822], df[0.112,0.115], g[3.309,0.166]
1/1 [=====] - 0s 98ms/step
>805, dr[0.277,0.790], df[0.043,0.069], g[2.048,0.196]
1/1 [=====] - 0s 70ms/step
>806, dr[0.019,0.777], df[0.080,0.080], g[2.657,0.153]
1/1 [=====] - 0s 74ms/step
>807, dr[0.016,0.699], df[0.075,0.044], g[3.555,0.126]
1/1 [=====] - 0s 80ms/step
>808, dr[0.264,0.758], df[0.064,0.021], g[2.743,0.114]
1/1 [=====] - 0s 73ms/step
>809, dr[0.020,1.494], df[0.157,0.091], g[2.806,0.137]
1/1 [=====] - 0s 122ms/step
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>810, dr[0.061,1.250], df[0.051,0.028], g[3.582,0.203]
1/1 [=====] - 0s 84ms/step
>811, dr[0.035,0.674], df[0.043,0.091], g[3.309,0.167]
1/1 [=====] - 0s 72ms/step
>812, dr[0.058,0.544], df[0.053,0.086], g[4.083,0.224]
1/1 [=====] - 0s 80ms/step
>813, dr[0.065,0.910], df[0.031,0.061], g[4.000,0.225]
1/1 [=====] - 0s 81ms/step
>814, dr[0.011,0.955], df[0.055,0.067], g[4.068,0.110]
1/1 [=====] - 0s 77ms/step
>815, dr[0.040,0.675], df[0.100,0.047], g[3.945,0.114]
1/1 [=====] - 0s 70ms/step
>816, dr[0.103,0.990], df[0.044,0.095], g[4.195,0.155]
1/1 [=====] - 0s 78ms/step
>817, dr[0.019,0.519], df[0.087,0.050], g[4.591,0.121]
1/1 [=====] - 0s 81ms/step
>818, dr[0.155,0.673], df[0.064,0.070], g[4.283,0.188]
1/1 [=====] - 0s 78ms/step
>819, dr[0.101,0.551], df[0.064,0.038], g[3.491,0.092]
1/1 [=====] - 0s 79ms/step
>820, dr[0.012,0.913], df[0.059,0.186], g[3.170,0.103]
1/1 [=====] - 0s 74ms/step
>821, dr[0.149,0.319], df[0.168,0.110], g[3.180,0.073]
1/1 [=====] - 0s 100ms/step
>822, dr[0.012,0.896], df[0.107,0.091], g[3.469,0.131]
1/1 [=====] - 0s 94ms/step
>823, dr[0.043,0.501], df[0.129,0.073], g[4.103,0.139]
1/1 [=====] - 0s 83ms/step
>824, dr[0.088,0.537], df[0.056,0.179], g[4.384,0.178]
1/1 [=====] - 0s 80ms/step
>825, dr[0.020,1.017], df[0.127,0.151], g[5.065,0.180]
1/1 [=====] - 0s 74ms/step
>826, dr[0.115,1.055], df[0.044,0.190], g[4.576,0.145]
1/1 [=====] - 0s 77ms/step
>827, dr[0.035,0.698], df[0.048,0.106], g[4.191,0.066]
1/1 [=====] - 0s 91ms/step
>828, dr[0.091,0.843], df[0.074,0.052], g[3.771,0.105]
1/1 [=====] - 0s 80ms/step
>829, dr[0.029,0.662], df[0.066,0.066], g[3.497,0.262]
1/1 [=====] - 0s 78ms/step
>830, dr[0.083,1.032], df[0.147,0.137], g[3.550,0.089]
1/1 [=====] - 0s 79ms/step
>831, dr[0.079,1.189], df[0.184,0.108], g[3.804,0.101]
1/1 [=====] - 0s 86ms/step
>832, dr[0.094,0.379], df[0.167,0.086], g[3.472,0.141]
1/1 [=====] - 0s 116ms/step
>833, dr[0.163,0.595], df[0.063,0.188], g[4.197,0.071]
1/1 [=====] - 0s 101ms/step
>834, dr[0.076,0.698], df[0.146,0.114], g[4.382,0.091]
1/1 [=====] - 0s 96ms/step
>835, dr[0.120,1.061], df[0.029,0.109], g[3.834,0.109]
1/1 [=====] - 0s 102ms/step
>836, dr[0.077,1.439], df[0.060,0.042], g[3.048,0.134]
1/1 [=====] - 0s 142ms/step
>837, dr[0.141,0.664], df[0.101,0.075], g[2.781,0.062]
1/1 [=====] - 0s 102ms/step
>838, dr[0.111,0.843], df[0.204,0.042], g[3.526,0.076]
1/1 [=====] - 0s 116ms/step
>839, dr[0.059,0.739], df[0.085,0.095], g[4.419,0.105]
1/1 [=====] - 0s 122ms/step
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>840, dr[0.252,0.671], df[0.034,0.132], g[3.428,0.113]
1/1 [=====] - 0s 101ms/step
>841, dr[0.199,0.607], df[0.043,0.135], g[2.860,0.183]
1/1 [=====] - 0s 94ms/step
>842, dr[0.131,0.579], df[0.135,0.161], g[2.862,0.053]
1/1 [=====] - 0s 95ms/step
>843, dr[0.029,0.834], df[0.036,0.035], g[3.208,0.096]
1/1 [=====] - 0s 85ms/step
>844, dr[0.022,0.621], df[0.025,0.076], g[3.754,0.106]
1/1 [=====] - 0s 92ms/step
>845, dr[0.068,0.699], df[0.027,0.127], g[3.386,0.296]
1/1 [=====] - 0s 86ms/step
>846, dr[0.097,0.935], df[0.037,0.033], g[2.757,0.238]
1/1 [=====] - 0s 105ms/step
>847, dr[0.023,1.027], df[0.060,0.103], g[2.672,0.072]
1/1 [=====] - 0s 118ms/step
>848, dr[0.109,0.637], df[0.059,0.030], g[2.603,0.055]
1/1 [=====] - 0s 90ms/step
>849, dr[0.015,0.805], df[0.061,0.060], g[3.256,0.047]
1/1 [=====] - 0s 91ms/step
>850, dr[0.031,1.011], df[0.024,0.065], g[3.114,0.077]
1/1 [=====] - 0s 81ms/step
>851, dr[0.026,0.662], df[0.107,0.165], g[3.186,0.032]
1/1 [=====] - 0s 78ms/step
>852, dr[0.022,0.733], df[0.036,0.093], g[3.552,0.062]
1/1 [=====] - 0s 82ms/step
>853, dr[0.032,0.490], df[0.019,0.046], g[2.921,0.048]
1/1 [=====] - 0s 87ms/step
>854, dr[0.037,0.493], df[0.027,0.081], g[2.701,0.088]
1/1 [=====] - 0s 80ms/step
>855, dr[0.084,0.858], df[0.020,0.157], g[1.627,0.117]
1/1 [=====] - 0s 75ms/step
>856, dr[0.031,1.087], df[0.193,0.160], g[2.190,0.113]
1/1 [=====] - 0s 83ms/step
>857, dr[0.069,0.619], df[0.029,0.174], g[2.462,0.079]
1/1 [=====] - 0s 98ms/step
>858, dr[0.138,0.570], df[0.065,0.064], g[2.359,0.180]
1/1 [=====] - 0s 75ms/step
>859, dr[0.077,0.902], df[0.035,0.028], g[2.104,0.200]
1/1 [=====] - 0s 77ms/step
>860, dr[0.025,1.099], df[0.050,0.092], g[2.330,0.133]
1/1 [=====] - 0s 76ms/step
>861, dr[0.036,0.606], df[0.082,0.067], g[2.671,0.166]
1/1 [=====] - 0s 91ms/step
>862, dr[0.094,0.605], df[0.023,0.142], g[2.344,0.112]
1/1 [=====] - 0s 98ms/step
>863, dr[0.099,0.833], df[0.060,0.069], g[2.543,0.154]
1/1 [=====] - 0s 85ms/step
>864, dr[0.059,0.789], df[0.020,0.058], g[2.195,0.143]
1/1 [=====] - 0s 89ms/step
>865, dr[0.083,0.722], df[0.028,0.115], g[1.726,0.182]
1/1 [=====] - 0s 107ms/step
>866, dr[0.069,0.652], df[0.105,0.252], g[1.864,0.374]
1/1 [=====] - 0s 108ms/step
>867, dr[0.105,0.466], df[0.088,0.058], g[2.341,0.131]
1/1 [=====] - 0s 96ms/step
>868, dr[0.068,0.649], df[0.036,0.023], g[1.646,0.067]
1/1 [=====] - 0s 94ms/step
>869, dr[0.037,0.618], df[0.435,0.037], g[1.458,0.097]
1/1 [=====] - 0s 85ms/step
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>870, dr[0.081,0.595], df[0.843,0.066], g[0.603,0.075]
1/1 [=====] - 0s 98ms/step
>871, dr[1.259,1.142], df[1.856,0.056], g[1.051,0.121]
1/1 [=====] - 0s 117ms/step
>872, dr[0.986,0.652], df[1.052,0.056], g[2.944,0.127]
1/1 [=====] - 0s 127ms/step
>873, dr[0.544,0.801], df[0.371,0.039], g[4.309,0.067]
1/1 [=====] - 0s 81ms/step
>874, dr[0.691,0.566], df[0.167,0.029], g[2.988,0.051]
1/1 [=====] - 0s 109ms/step
>875, dr[0.201,0.698], df[0.269,0.136], g[2.647,0.137]
1/1 [=====] - 0s 210ms/step
>876, dr[0.251,0.658], df[0.055,0.039], g[1.891,0.049]
1/1 [=====] - 0s 109ms/step
>877, dr[0.209,0.406], df[0.179,0.070], g[1.706,0.080]
1/1 [=====] - 0s 82ms/step
>878, dr[0.186,1.077], df[0.159,0.022], g[1.672,0.040]
1/1 [=====] - 0s 99ms/step
>879, dr[0.143,1.069], df[0.154,0.022], g[1.481,0.062]
1/1 [=====] - 0s 106ms/step
>880, dr[0.106,0.992], df[0.242,0.018], g[1.816,0.071]
1/1 [=====] - 0s 232ms/step
>881, dr[0.198,0.494], df[0.288,0.032], g[3.095,0.085]
1/1 [=====] - 0s 114ms/step
>882, dr[0.452,0.645], df[0.425,0.047], g[4.140,0.105]
1/1 [=====] - 0s 120ms/step
>883, dr[0.277,1.003], df[0.053,0.092], g[4.700,0.087]
1/1 [=====] - 0s 102ms/step
>884, dr[0.463,0.816], df[0.264,0.068], g[3.423,0.060]
1/1 [=====] - 0s 86ms/step
>885, dr[0.091,0.768], df[0.116,0.049], g[3.660,0.039]
1/1 [=====] - 0s 81ms/step
>886, dr[0.365,1.014], df[0.214,0.082], g[3.768,0.123]
1/1 [=====] - 0s 98ms/step
>887, dr[0.036,0.568], df[0.075,0.044], g[3.835,0.085]
1/1 [=====] - 0s 84ms/step
>888, dr[0.119,0.611], df[0.143,0.106], g[3.201,0.070]
1/1 [=====] - 0s 121ms/step
>889, dr[0.126,0.536], df[0.054,0.082], g[2.657,0.045]
1/1 [=====] - 0s 145ms/step
>890, dr[0.304,0.957], df[0.315,0.054], g[1.882,0.107]
1/1 [=====] - 0s 195ms/step
>891, dr[0.079,0.539], df[0.349,0.112], g[3.808,0.091]
1/1 [=====] - 0s 129ms/step
>892, dr[0.424,0.986], df[0.112,0.042], g[3.235,0.089]
1/1 [=====] - 0s 121ms/step
>893, dr[0.262,0.827], df[0.599,0.224], g[4.617,0.087]
1/1 [=====] - 0s 121ms/step
>894, dr[0.462,0.851], df[0.103,0.054], g[3.698,0.055]
1/1 [=====] - 0s 97ms/step
>895, dr[0.527,0.701], df[0.736,0.063], g[2.295,0.067]
1/1 [=====] - 0s 106ms/step
>896, dr[0.267,0.365], df[0.100,0.199], g[2.896,0.054]
1/1 [=====] - 0s 108ms/step
>897, dr[0.265,0.868], df[0.264,0.061], g[2.354,0.145]
1/1 [=====] - 0s 78ms/step
>898, dr[0.382,0.840], df[0.419,0.174], g[2.063,0.056]
1/1 [=====] - 0s 89ms/step
>899, dr[0.169,0.458], df[0.272,0.184], g[3.141,0.188]
1/1 [=====] - 0s 87ms/step
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>900, dr[0.278,0.633], df[0.127,0.114], g[2.921,0.094]
1/1 [=====] - 0s 79ms/step
>901, dr[0.531,0.597], df[0.294,0.350], g[1.693,0.094]
1/1 [=====] - 0s 149ms/step
>902, dr[0.294,0.485], df[0.413,0.073], g[2.224,0.244]
1/1 [=====] - 0s 81ms/step
>903, dr[0.315,0.952], df[0.546,0.305], g[3.544,0.228]
1/1 [=====] - 0s 81ms/step
>904, dr[0.299,0.437], df[0.223,0.043], g[3.466,0.107]
1/1 [=====] - 0s 85ms/step
>905, dr[0.663,0.805], df[0.336,0.141], g[2.536,0.115]
1/1 [=====] - 0s 93ms/step
>906, dr[0.380,0.537], df[0.344,0.357], g[3.372,0.114]
1/1 [=====] - 0s 78ms/step
>907, dr[0.400,0.719], df[0.113,0.080], g[2.683,0.176]
1/1 [=====] - 0s 77ms/step
>908, dr[0.627,1.112], df[0.739,0.080], g[1.989,0.173]
1/1 [=====] - 0s 125ms/step
>909, dr[0.223,0.949], df[0.319,0.069], g[2.537,0.133]
1/1 [=====] - 0s 121ms/step
>910, dr[0.177,1.329], df[0.707,0.079], g[3.027,0.115]
1/1 [=====] - 0s 115ms/step
>911, dr[0.456,1.097], df[0.217,0.273], g[2.588,0.114]
1/1 [=====] - 0s 114ms/step
>912, dr[0.670,0.561], df[0.470,0.173], g[1.736,0.134]
1/1 [=====] - 0s 126ms/step
>913, dr[0.084,0.812], df[0.541,0.180], g[2.411,0.155]
1/1 [=====] - 0s 95ms/step
>914, dr[0.291,1.206], df[0.493,0.132], g[3.408,0.135]
1/1 [=====] - 0s 98ms/step
>915, dr[0.393,0.400], df[0.098,0.068], g[2.183,0.250]
1/1 [=====] - 0s 129ms/step
>916, dr[1.051,0.816], df[1.190,0.107], g[2.900,0.138]
1/1 [=====] - 0s 100ms/step
>917, dr[0.946,0.774], df[0.196,0.142], g[3.136,0.082]
1/1 [=====] - 0s 96ms/step
>918, dr[0.333,0.549], df[0.333,0.154], g[2.275,0.067]
1/1 [=====] - 0s 91ms/step
>919, dr[0.332,1.198], df[0.725,0.156], g[2.431,0.091]
1/1 [=====] - 0s 83ms/step
>920, dr[0.161,0.704], df[0.432,0.125], g[3.640,0.050]
1/1 [=====] - 0s 99ms/step
>921, dr[0.659,0.284], df[0.480,0.112], g[2.373,0.152]
1/1 [=====] - 0s 109ms/step
>922, dr[0.228,0.864], df[0.157,0.069], g[3.332,0.123]
1/1 [=====] - 0s 78ms/step
>923, dr[0.393,0.553], df[0.340,0.106], g[2.021,0.169]
1/1 [=====] - 0s 99ms/step
>924, dr[0.213,0.933], df[0.169,0.105], g[3.127,0.072]
1/1 [=====] - 0s 105ms/step
>925, dr[0.213,0.708], df[0.114,0.089], g[2.544,0.079]
1/1 [=====] - 0s 83ms/step
>926, dr[0.295,0.693], df[0.333,0.090], g[2.071,0.091]
1/1 [=====] - 0s 82ms/step
>927, dr[0.278,0.591], df[0.274,0.059], g[2.631,0.078]
1/1 [=====] - 0s 91ms/step
>928, dr[0.237,0.237], df[0.179,0.083], g[2.507,0.084]
1/1 [=====] - 0s 91ms/step
>929, dr[0.413,0.784], df[0.204,0.056], g[2.509,0.065]
1/1 [=====] - 0s 90ms/step
```

```
>930, dr[0.101,0.495], df[0.666,0.042], g[3.549,0.096]
1/1 [=====] - 0s 98ms/step
>931, dr[0.353,0.698], df[0.159,0.025], g[3.415,0.063]
1/1 [=====] - 0s 78ms/step
>932, dr[0.211,0.866], df[0.140,0.031], g[2.987,0.061]
1/1 [=====] - 0s 78ms/step
>933, dr[0.306,0.741], df[0.193,0.137], g[2.255,0.133]
1/1 [=====] - 0s 101ms/step
>934, dr[0.262,0.769], df[0.230,0.087], g[2.194,0.079]
1/1 [=====] - 0s 78ms/step
>935, dr[0.173,0.684], df[0.321,0.090], g[1.802,0.056]
1/1 [=====] - 0s 73ms/step
>936, dr[0.171,0.611], df[0.476,0.078], g[2.535,0.076]
1/1 [=====] - 0s 69ms/step
>937, dr[0.422,0.959], df[0.446,0.128], g[2.503,0.050]
4/4 [=====] - 1s 44ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
The runtime to fit this model was: 0:09:20.762027.
```

In [16]: `discriminator.summary()`

Model: "model_3"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_6 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d_192 (Conv2D)	(None, 14, 14, 32)	320	['input_6[0][0]']
leaky_re_lu_4 (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d_192[0][0]']
dropout_4 (Dropout)	(None, 14, 14, 32)	0	['leaky_re_lu_4[0][0]']
conv2d_193 (Conv2D)	(None, 14, 14, 64)	18496	['dropout_4[0][0]']
batch_normalization_192 (Batch Normalization)	(None, 14, 14, 64)	256	['conv2d_193[0][0]']
leaky_re_lu_5 (LeakyReLU)	(None, 14, 14, 64)	0	['batch_normalization_192[0][0]']
dropout_5 (Dropout)	(None, 14, 14, 64)	0	['leaky_re_lu_5[0][0]']
conv2d_194 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_5[0][0]']
batch_normalization_193 (Batch Normalization)	(None, 7, 7, 128)	512	['conv2d_194[0][0]']
leaky_re_lu_6 (LeakyReLU)	(None, 7, 7, 128)	0	['batch_normalization_193[0][0]']
dropout_6 (Dropout)	(None, 7, 7, 128)	0	['leaky_re_lu_6[0][0]']
conv2d_195 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_6[0][0]']
batch_normalization_194 (Batch Normalization)	(None, 7, 7, 256)	1024	['conv2d_195[0][0]']
leaky_re_lu_7 (LeakyReLU)	(None, 7, 7, 256)	0	['batch_normalization_194[0][0]']
dropout_7 (Dropout)	(None, 7, 7, 256)	0	['leaky_re_lu_7[0][0]']
flatten_1 (Flatten)	(None, 12544)	0	['dropout_7[0][0]']
dense_4 (Dense)	(None, 1)	12545	['flatten_1[0][0]']
dense_5 (Dense)	(None, 10)	125450	['flatten_1[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

```
In [15]: generator.summary()
```

Model: "model_4"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_8 (InputLayer)	[(None, 200)]	0	[]
input_7 (InputLayer)	[(None, 1)]	0	[]
dense_7 (Dense)	(None, 18816)	3782016	['input_8[0][0]']
embedding_1 (Embedding)	(None, 1, 50)	500	['input_7[0][0]']
activation_191 (Activation)	(None, 18816)	0	['dense_7[0][0]']
dense_6 (Dense) [0]'	(None, 1, 49)	2499	['embedding_1[0]
reshape_3 (Reshape) [0]'	(None, 7, 7, 384)	0	['activation_191[0]
reshape_2 (Reshape)	(None, 7, 7, 1)	0	['dense_6[0][0]']
concatenate_5 (Concatenate)	(None, 7, 7, 385)	0	['reshape_3[0][0]', 'reshape_2[0][0]']
conv2d_transpose_2 (Conv2DTran [0]' spose)	(None, 14, 14, 192)	1848192	['concatenate_5[0]
batch_normalization_195 (Batch [0][0]' Normalization)	(None, 14, 14, 192)	768	['conv2d_transpose_2
activation_192 (Activation) n_195[0][0]']	(None, 14, 14, 192)	0	['batch_normalizatio
conv2d_transpose_3 (Conv2DTran [0]' spose)	(None, 28, 28, 1)	4801	['activation_192[0]
activation_193 (Activation) [0][0]']	(None, 28, 28, 1)	0	['conv2d_transpose_3
<hr/>			
<hr/>			
Total params: 5,638,776			
Trainable params: 5,638,392			
Non-trainable params: 384			

3.2) Evaluate Model Performance

Let's generate fake images of clothes that can be used to calculate the inception scores

```
In [17]: # example of loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np

model = load_model('model_0937.h5')
latent_dim = 200
n_examples = 300

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()

# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0
```

```
# Generate Trouser Images
n_class = 1
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0
```

```

# Generate Sneaker Images
n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 59ms/step
10/10 [=====] - 1s 60ms/step
10/10 [=====] - 1s 62ms/step
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 63ms/step
10/10 [=====] - 1s 60ms/step
10/10 [=====] - 1s 57ms/step
10/10 [=====] - 1s 68ms/step
10/10 [=====] - 1s 59ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception score

```
In [18]: # calculate inception score in Keras
from math import floor
from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
```

```

        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

# load cifar10 images
#(images, _), (_, _) = cifar10.Load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)

```

```

10/10 [=====] - 17s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 20s 2s/step
10/10 [=====] - 15s 2s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 15s 1s/step
score 1.1502178 0.0031078113

```

4) Model 3 - Experimentation with Number of Epochs To Fit AC-GAN

4.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
```

```

import time
from keras.utils.vis_utils import plot_model
import numpy as np

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # Label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))


```

```

# foundation for 7x7 image
n_nodes = 384 * 7 * 7
gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
gen = Activation('relu')(gen)
gen = Reshape((7, 7, 384))(gen)
# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer=init)(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer=init)(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator

```

```

def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the Latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = randint(0, n_classes, n_samples)
    return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=3, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _, d_r1, d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _, d_f, d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])

```

```

# prepare points in Latent space as input for the generator
[z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
# create inverted labels for the fake samples
y_gan = ones((n_batch, 1))
# update the generator via the discriminator's error
_,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize Loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f1,d_f2))
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# Load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")

```

C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.

warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
super().__init__(name, **kwargs)

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 184ms/step  
>1, dr[0.910,2.330], df[1.358,3.024], g[0.735,3.081]  
1/1 [=====] - 0s 71ms/step  
>2, dr[0.492,3.007], df[1.164,3.010], g[0.978,3.280]  
1/1 [=====] - 0s 74ms/step  
>3, dr[0.810,3.164], df[0.937,2.860], g[1.117,2.933]  
1/1 [=====] - 0s 88ms/step  
>4, dr[0.736,2.396], df[0.593,3.451], g[1.163,3.178]  
1/1 [=====] - 0s 73ms/step  
>5, dr[0.663,2.821], df[0.758,3.011], g[1.049,2.984]  
1/1 [=====] - 0s 80ms/step  
>6, dr[0.555,2.854], df[0.571,3.249], g[1.350,2.981]  
1/1 [=====] - 0s 85ms/step  
>7, dr[0.505,2.397], df[0.599,2.899], g[1.182,2.927]  
1/1 [=====] - 0s 77ms/step  
>8, dr[0.503,2.482], df[0.651,3.375], g[1.604,3.021]  
1/1 [=====] - 0s 66ms/step  
>9, dr[0.521,2.463], df[0.841,2.813], g[1.592,2.734]  
1/1 [=====] - 0s 65ms/step  
>10, dr[0.440,2.660], df[0.516,3.341], g[1.432,3.160]  
1/1 [=====] - 0s 67ms/step  
>11, dr[0.548,2.466], df[0.364,2.563], g[1.538,3.070]  
1/1 [=====] - 0s 102ms/step  
>12, dr[0.382,2.322], df[0.493,3.024], g[1.501,3.143]  
1/1 [=====] - 0s 77ms/step  
>13, dr[0.490,2.566], df[0.479,2.639], g[1.124,3.319]  
1/1 [=====] - 0s 69ms/step  
>14, dr[0.498,2.254], df[0.553,3.237], g[1.170,3.200]  
1/1 [=====] - 0s 77ms/step  
>15, dr[0.344,2.104], df[0.574,2.856], g[0.998,2.950]  
1/1 [=====] - 0s 73ms/step  
>16, dr[0.430,2.196], df[0.383,2.928], g[0.888,3.037]  
1/1 [=====] - 0s 73ms/step  
>17, dr[0.583,2.259], df[0.424,3.096], g[0.753,3.206]  
1/1 [=====] - 0s 72ms/step  
>18, dr[0.386,2.194], df[0.527,3.367], g[0.638,3.151]  
1/1 [=====] - 0s 81ms/step  
>19, dr[0.245,2.150], df[0.521,3.016], g[0.808,3.196]  
1/1 [=====] - 0s 68ms/step  
>20, dr[0.388,2.478], df[0.406,2.875], g[0.793,3.164]  
1/1 [=====] - 0s 89ms/step  
>21, dr[0.373,1.842], df[0.400,2.890], g[0.556,3.079]  
1/1 [=====] - 0s 78ms/step  
>22, dr[0.472,2.342], df[0.449,2.940], g[0.613,3.017]  
1/1 [=====] - 0s 85ms/step  
>23, dr[0.480,1.975], df[0.253,2.698], g[0.392,2.968]  
1/1 [=====] - 0s 71ms/step  
>24, dr[0.213,1.655], df[0.249,3.050], g[0.369,3.125]  
1/1 [=====] - 0s 87ms/step  
>25, dr[0.131,1.845], df[0.186,2.924], g[0.295,3.631]  
1/1 [=====] - 0s 82ms/step  
>26, dr[0.267,1.721], df[0.175,3.434], g[0.285,2.996]  
1/1 [=====] - 0s 78ms/step  
>27, dr[0.468,2.072], df[0.225,3.210], g[0.207,2.971]  
1/1 [=====] - 0s 79ms/step  
>28, dr[0.258,1.448], df[0.283,2.725], g[0.189,3.170]  
1/1 [=====] - 0s 89ms/step  
>29, dr[0.166,1.683], df[0.191,3.120], g[0.235,2.724]  
1/1 [=====] - 0s 81ms/step
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>30, dr[0.288,1.811], df[0.216,3.664], g[0.166,3.186]
1/1 [=====] - 0s 77ms/step
>31, dr[0.228,2.030], df[0.222,3.045], g[0.088,2.955]
1/1 [=====] - 0s 80ms/step
>32, dr[0.122,1.545], df[0.150,3.006], g[0.192,3.243]
1/1 [=====] - 0s 79ms/step
>33, dr[0.135,1.473], df[0.114,3.014], g[0.108,3.224]
1/1 [=====] - 0s 71ms/step
>34, dr[0.108,1.352], df[0.154,3.164], g[0.131,3.028]
1/1 [=====] - 0s 76ms/step
>35, dr[0.132,1.488], df[0.154,3.086], g[0.102,3.074]
1/1 [=====] - 0s 97ms/step
>36, dr[0.142,1.709], df[0.155,3.470], g[0.140,3.214]
1/1 [=====] - 0s 97ms/step
>37, dr[0.282,1.469], df[0.092,3.166], g[0.082,3.213]
1/1 [=====] - 0s 76ms/step
>38, dr[0.273,1.151], df[0.195,2.993], g[0.047,3.194]
1/1 [=====] - 0s 73ms/step
>39, dr[0.089,1.731], df[0.120,3.107], g[0.106,2.733]
1/1 [=====] - 0s 80ms/step
>40, dr[0.211,1.279], df[0.108,2.724], g[0.081,3.655]
1/1 [=====] - 0s 78ms/step
>41, dr[0.181,1.354], df[0.194,3.284], g[0.065,3.196]
1/1 [=====] - 0s 105ms/step
>42, dr[0.151,1.695], df[0.065,3.168], g[0.057,3.203]
1/1 [=====] - 0s 90ms/step
>43, dr[0.165,1.465], df[0.213,3.202], g[0.093,3.105]
1/1 [=====] - 0s 66ms/step
>44, dr[0.142,1.364], df[0.150,2.943], g[0.106,2.933]
1/1 [=====] - 0s 81ms/step
>45, dr[0.038,1.772], df[0.192,3.300], g[0.122,2.980]
1/1 [=====] - 0s 76ms/step
>46, dr[0.113,1.284], df[0.109,3.169], g[0.118,3.280]
1/1 [=====] - 0s 65ms/step
>47, dr[0.112,1.301], df[0.111,2.677], g[0.095,3.249]
1/1 [=====] - 0s 70ms/step
>48, dr[0.214,0.958], df[0.094,3.422], g[0.067,2.726]
1/1 [=====] - 0s 79ms/step
>49, dr[0.096,1.149], df[0.144,3.254], g[0.056,3.308]
1/1 [=====] - 0s 89ms/step
>50, dr[0.115,1.394], df[0.152,2.920], g[0.064,3.007]
1/1 [=====] - 0s 68ms/step
>51, dr[0.149,1.305], df[0.177,2.632], g[0.094,3.248]
1/1 [=====] - 0s 74ms/step
>52, dr[0.112,1.153], df[0.071,3.368], g[0.067,2.605]
1/1 [=====] - 0s 71ms/step
>53, dr[0.125,1.654], df[0.096,2.732], g[0.040,2.931]
1/1 [=====] - 0s 82ms/step
>54, dr[0.139,1.187], df[0.103,3.056], g[0.053,3.198]
1/1 [=====] - 0s 75ms/step
>55, dr[0.134,1.740], df[0.135,2.849], g[0.047,3.346]
1/1 [=====] - 0s 71ms/step
>56, dr[0.045,1.273], df[0.111,2.979], g[0.118,3.024]
1/1 [=====] - 0s 88ms/step
>57, dr[0.128,1.468], df[0.124,3.091], g[0.042,3.532]
1/1 [=====] - 0s 65ms/step
>58, dr[0.124,1.184], df[0.114,3.099], g[0.056,3.029]
1/1 [=====] - 0s 78ms/step
>59, dr[0.184,1.155], df[0.096,3.258], g[0.098,3.171]
1/1 [=====] - 0s 67ms/step
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>60, dr[0.092,1.221], df[0.159,2.884], g[0.080,3.447]
1/1 [=====] - 0s 83ms/step
>61, dr[0.217,0.905], df[0.135,3.032], g[0.109,3.240]
1/1 [=====] - 0s 72ms/step
>62, dr[0.203,1.523], df[0.083,3.052], g[0.159,3.459]
1/1 [=====] - 0s 77ms/step
>63, dr[0.075,1.689], df[0.077,2.733], g[0.103,3.524]
1/1 [=====] - 0s 82ms/step
>64, dr[0.070,1.325], df[0.080,3.306], g[0.111,2.993]
1/1 [=====] - 0s 71ms/step
>65, dr[0.089,1.156], df[0.066,3.308], g[0.079,3.091]
1/1 [=====] - 0s 80ms/step
>66, dr[0.058,1.273], df[0.132,3.149], g[0.100,3.009]
1/1 [=====] - 0s 69ms/step
>67, dr[0.045,1.037], df[0.123,3.283], g[0.107,3.319]
1/1 [=====] - 0s 73ms/step
>68, dr[0.152,1.471], df[0.123,3.332], g[0.103,3.028]
1/1 [=====] - 0s 75ms/step
>69, dr[0.225,1.896], df[0.080,3.946], g[0.056,3.352]
1/1 [=====] - 0s 92ms/step
>70, dr[0.155,1.440], df[0.159,2.949], g[0.059,3.438]
1/1 [=====] - 0s 101ms/step
>71, dr[0.051,1.257], df[0.161,3.139], g[0.096,3.389]
1/1 [=====] - 0s 97ms/step
>72, dr[0.075,1.203], df[0.113,3.346], g[0.065,3.219]
1/1 [=====] - 0s 82ms/step
>73, dr[0.222,1.398], df[0.211,2.846], g[0.101,3.154]
1/1 [=====] - 0s 117ms/step
>74, dr[0.128,1.246], df[0.076,3.309], g[0.105,3.385]
1/1 [=====] - 0s 77ms/step
>75, dr[0.054,1.058], df[0.100,3.148], g[0.070,3.077]
1/1 [=====] - 0s 97ms/step
>76, dr[0.176,0.882], df[0.052,3.452], g[0.057,3.021]
1/1 [=====] - 0s 73ms/step
>77, dr[0.104,0.990], df[0.072,3.005], g[0.026,3.320]
1/1 [=====] - 0s 83ms/step
>78, dr[0.070,1.100], df[0.094,3.098], g[0.032,3.169]
1/1 [=====] - 0s 74ms/step
>79, dr[0.139,1.119], df[0.070,3.553], g[0.030,3.042]
1/1 [=====] - 0s 92ms/step
>80, dr[0.059,1.591], df[0.038,2.958], g[0.045,3.133]
1/1 [=====] - 0s 128ms/step
>81, dr[0.047,1.188], df[0.054,3.183], g[0.041,3.466]
1/1 [=====] - 0s 100ms/step
>82, dr[0.054,1.032], df[0.070,3.557], g[0.057,3.034]
1/1 [=====] - 0s 94ms/step
>83, dr[0.138,1.047], df[0.098,3.142], g[0.026,3.088]
1/1 [=====] - 0s 78ms/step
>84, dr[0.142,1.480], df[0.080,2.650], g[0.058,2.805]
1/1 [=====] - 0s 125ms/step
>85, dr[0.024,1.472], df[0.075,2.808], g[0.080,3.013]
1/1 [=====] - 0s 85ms/step
>86, dr[0.151,1.457], df[0.042,3.319], g[0.036,2.780]
1/1 [=====] - 0s 85ms/step
>87, dr[0.053,1.321], df[0.129,2.895], g[0.061,2.933]
1/1 [=====] - 0s 91ms/step
>88, dr[0.031,0.843], df[0.286,3.459], g[0.077,2.933]
1/1 [=====] - 0s 142ms/step
>89, dr[0.060,1.219], df[0.088,2.891], g[0.175,2.954]
1/1 [=====] - 0s 158ms/step
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>90, dr[0.188,1.206], df[0.111,2.987], g[0.085,2.688]
1/1 [=====] - 0s 249ms/step
>91, dr[0.121,1.334], df[0.214,2.959], g[0.105,2.909]
1/1 [=====] - 0s 110ms/step
>92, dr[0.148,1.209], df[0.067,3.015], g[0.107,2.964]
1/1 [=====] - 0s 110ms/step
>93, dr[0.126,1.134], df[0.014,2.597], g[0.070,2.753]
1/1 [=====] - 0s 105ms/step
>94, dr[0.040,1.244], df[0.040,2.619], g[0.054,2.444]
1/1 [=====] - 0s 149ms/step
>95, dr[0.043,1.266], df[0.059,2.886], g[0.046,3.045]
1/1 [=====] - 0s 92ms/step
>96, dr[0.090,1.047], df[0.059,3.138], g[0.063,2.880]
1/1 [=====] - 0s 112ms/step
>97, dr[0.150,1.086], df[0.130,2.826], g[0.149,2.662]
1/1 [=====] - 0s 104ms/step
>98, dr[0.109,0.943], df[0.168,2.792], g[0.123,2.819]
1/1 [=====] - 0s 90ms/step
>99, dr[0.095,1.087], df[0.109,2.850], g[0.058,2.871]
1/1 [=====] - 0s 93ms/step
>100, dr[0.061,1.067], df[0.083,3.460], g[0.052,2.493]
1/1 [=====] - 0s 93ms/step
>101, dr[0.107,1.491], df[0.041,2.452], g[0.137,2.560]
1/1 [=====] - 0s 86ms/step
>102, dr[0.153,1.523], df[0.011,2.594], g[0.085,2.735]
1/1 [=====] - 0s 79ms/step
>103, dr[0.030,1.096], df[0.059,2.225], g[0.045,2.724]
1/1 [=====] - 0s 85ms/step
>104, dr[0.035,0.745], df[0.055,2.908], g[0.061,2.525]
1/1 [=====] - 0s 74ms/step
>105, dr[0.050,1.025], df[0.263,2.354], g[0.066,2.570]
1/1 [=====] - 0s 81ms/step
>106, dr[0.085,1.057], df[0.332,2.931], g[0.142,2.644]
1/1 [=====] - 0s 73ms/step
>107, dr[0.139,0.878], df[0.013,2.807], g[0.209,2.279]
1/1 [=====] - 0s 78ms/step
>108, dr[0.296,1.328], df[0.113,2.380], g[0.180,2.467]
1/1 [=====] - 0s 80ms/step
>109, dr[0.177,1.228], df[0.087,2.075], g[0.084,2.406]
1/1 [=====] - 0s 77ms/step
>110, dr[0.119,1.153], df[0.106,2.455], g[0.065,2.272]
1/1 [=====] - 0s 81ms/step
>111, dr[0.137,0.810], df[0.271,2.066], g[0.137,2.085]
1/1 [=====] - 0s 74ms/step
>112, dr[0.282,1.112], df[0.272,2.339], g[0.154,2.100]
1/1 [=====] - 0s 90ms/step
>113, dr[0.319,0.883], df[0.113,1.981], g[0.114,1.963]
1/1 [=====] - 0s 84ms/step
>114, dr[0.190,0.913], df[0.329,2.317], g[0.111,2.178]
1/1 [=====] - 0s 86ms/step
>115, dr[0.103,0.802], df[0.149,2.207], g[0.147,2.070]
1/1 [=====] - 0s 86ms/step
>116, dr[0.187,0.642], df[0.048,2.358], g[0.167,1.743]
1/1 [=====] - 0s 88ms/step
>117, dr[0.088,0.883], df[0.144,1.732], g[0.118,1.851]
1/1 [=====] - 0s 84ms/step
>118, dr[0.238,1.479], df[0.383,1.728], g[0.087,2.033]
1/1 [=====] - 0s 73ms/step
>119, dr[0.231,1.297], df[0.136,2.350], g[0.100,1.655]
1/1 [=====] - 0s 85ms/step
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>120, dr[0.195,1.001], df[0.214,1.966], g[0.076,1.518]
1/1 [=====] - 0s 81ms/step
>121, dr[0.159,1.493], df[0.513,1.811], g[0.227,1.474]
1/1 [=====] - 0s 81ms/step
>122, dr[0.309,1.034], df[0.185,1.694], g[0.265,1.962]
1/1 [=====] - 0s 76ms/step
>123, dr[0.411,0.658], df[0.244,1.739], g[0.287,1.346]
1/1 [=====] - 0s 81ms/step
>124, dr[0.105,0.907], df[0.153,1.466], g[0.237,1.518]
1/1 [=====] - 0s 80ms/step
>125, dr[0.151,0.780], df[0.091,1.407], g[0.171,1.485]
1/1 [=====] - 0s 77ms/step
>126, dr[0.156,1.061], df[0.083,1.416], g[0.088,1.422]
1/1 [=====] - 0s 84ms/step
>127, dr[0.148,0.999], df[0.193,1.807], g[0.128,1.548]
1/1 [=====] - 0s 81ms/step
>128, dr[0.240,1.206], df[0.250,1.536], g[0.352,1.393]
1/1 [=====] - 0s 85ms/step
>129, dr[0.293,1.014], df[0.185,1.726], g[0.174,1.326]
1/1 [=====] - 0s 82ms/step
>130, dr[0.284,0.878], df[0.142,1.477], g[0.109,1.170]
1/1 [=====] - 0s 76ms/step
>131, dr[0.114,1.142], df[0.269,0.841], g[0.077,1.327]
1/1 [=====] - 0s 67ms/step
>132, dr[0.234,1.371], df[0.278,1.300], g[0.158,1.311]
1/1 [=====] - 0s 75ms/step
>133, dr[0.223,0.869], df[0.120,1.498], g[0.079,1.152]
1/1 [=====] - 0s 73ms/step
>134, dr[0.252,1.185], df[0.094,1.293], g[0.084,1.151]
1/1 [=====] - 0s 71ms/step
>135, dr[0.230,0.857], df[0.359,1.283], g[0.122,1.082]
1/1 [=====] - 0s 75ms/step
>136, dr[0.309,0.880], df[0.135,1.255], g[0.152,1.127]
1/1 [=====] - 0s 73ms/step
>137, dr[0.239,0.919], df[0.062,1.252], g[0.026,0.773]
1/1 [=====] - 0s 78ms/step
>138, dr[0.056,0.812], df[0.237,1.699], g[0.086,1.178]
1/1 [=====] - 0s 77ms/step
>139, dr[0.144,0.940], df[0.429,1.432], g[0.254,0.995]
1/1 [=====] - 0s 80ms/step
>140, dr[0.272,1.348], df[0.251,1.119], g[0.243,0.667]
1/1 [=====] - 0s 76ms/step
>141, dr[0.269,0.891], df[0.111,0.971], g[0.126,0.906]
1/1 [=====] - 0s 72ms/step
>142, dr[0.467,1.466], df[0.279,0.832], g[0.096,0.887]
1/1 [=====] - 0s 65ms/step
>143, dr[0.159,0.742], df[0.245,1.137], g[0.098,0.850]
1/1 [=====] - 0s 81ms/step
>144, dr[0.220,1.052], df[0.143,0.592], g[0.172,0.903]
1/1 [=====] - 0s 66ms/step
>145, dr[0.176,1.113], df[0.031,0.907], g[0.052,0.747]
1/1 [=====] - 0s 70ms/step
>146, dr[0.207,0.800], df[0.183,0.936], g[0.108,0.719]
1/1 [=====] - 0s 70ms/step
>147, dr[0.170,0.417], df[0.072,1.128], g[0.052,0.705]
1/1 [=====] - 0s 67ms/step
>148, dr[0.105,0.391], df[0.064,0.737], g[0.037,0.717]
1/1 [=====] - 0s 85ms/step
>149, dr[0.277,0.674], df[0.310,0.825], g[0.040,0.700]
1/1 [=====] - 0s 66ms/step
```

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>150, dr[0.109,1.074], df[0.035,0.851], g[0.105,0.548]
1/1 [=====] - 0s 72ms/step
>151, dr[0.143,1.065], df[0.187,1.151], g[0.062,0.598]
1/1 [=====] - 0s 63ms/step
>152, dr[0.185,1.015], df[0.224,0.759], g[0.057,0.707]
1/1 [=====] - 0s 73ms/step
>153, dr[0.155,1.028], df[0.088,0.838], g[0.048,0.506]
1/1 [=====] - 0s 64ms/step
>154, dr[0.082,1.130], df[0.065,0.580], g[0.054,0.687]
1/1 [=====] - 0s 72ms/step
>155, dr[0.130,1.029], df[0.198,0.620], g[0.077,0.713]
1/1 [=====] - 0s 71ms/step
>156, dr[0.090,1.069], df[0.048,0.405], g[0.078,0.659]
1/1 [=====] - 0s 71ms/step
>157, dr[0.089,0.715], df[0.040,0.779], g[0.044,0.628]
1/1 [=====] - 0s 65ms/step
>158, dr[0.071,0.849], df[0.125,0.571], g[0.094,0.498]
1/1 [=====] - 0s 72ms/step
>159, dr[0.148,1.318], df[0.091,0.484], g[0.051,0.514]
1/1 [=====] - 0s 64ms/step
>160, dr[0.107,1.055], df[0.035,0.619], g[0.050,0.646]
1/1 [=====] - 0s 72ms/step
>161, dr[0.093,0.917], df[0.145,0.491], g[0.049,0.564]
1/1 [=====] - 0s 67ms/step
>162, dr[0.045,1.032], df[0.041,0.380], g[0.063,0.564]
1/1 [=====] - 0s 71ms/step
>163, dr[0.154,0.549], df[0.027,0.844], g[0.022,0.444]
1/1 [=====] - 0s 82ms/step
>164, dr[0.031,0.912], df[0.117,0.627], g[0.037,0.610]
1/1 [=====] - 0s 75ms/step
>165, dr[0.082,0.722], df[0.132,0.607], g[0.152,0.411]
1/1 [=====] - 0s 91ms/step
>166, dr[0.227,0.965], df[0.120,0.588], g[0.077,0.400]
1/1 [=====] - 0s 81ms/step
>167, dr[0.066,1.043], df[0.198,0.369], g[0.096,0.334]
1/1 [=====] - 0s 76ms/step
>168, dr[0.246,0.727], df[0.136,0.458], g[0.111,0.392]
1/1 [=====] - 0s 69ms/step
>169, dr[0.089,1.171], df[0.038,0.442], g[0.109,0.474]
1/1 [=====] - 0s 72ms/step
>170, dr[0.120,0.742], df[0.360,0.412], g[0.183,0.480]
1/1 [=====] - 0s 83ms/step
>171, dr[0.106,1.049], df[0.022,0.629], g[0.093,0.354]
1/1 [=====] - 0s 66ms/step
>172, dr[0.181,1.334], df[0.031,0.335], g[0.041,0.432]
1/1 [=====] - 0s 67ms/step
>173, dr[0.190,0.828], df[0.124,0.645], g[0.037,0.393]
1/1 [=====] - 0s 65ms/step
>174, dr[0.108,0.804], df[0.063,0.705], g[0.058,0.492]
1/1 [=====] - 0s 71ms/step
>175, dr[0.129,0.633], df[0.045,0.414], g[0.022,0.483]
1/1 [=====] - 0s 66ms/step
>176, dr[0.062,1.166], df[0.284,0.436], g[0.095,0.301]
1/1 [=====] - 0s 81ms/step
>177, dr[0.081,1.293], df[0.034,0.426], g[0.181,0.381]
1/1 [=====] - 0s 67ms/step
>178, dr[0.222,0.831], df[0.052,0.373], g[0.034,0.343]
1/1 [=====] - 0s 74ms/step
>179, dr[0.270,0.790], df[0.119,0.358], g[0.026,0.423]
1/1 [=====] - 0s 65ms/step
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>180, dr[0.071,1.200], df[0.061,0.248], g[0.046,0.533]
1/1 [=====] - 0s 73ms/step
>181, dr[0.067,1.307], df[0.061,0.394], g[0.050,0.432]
1/1 [=====] - 0s 67ms/step
>182, dr[0.047,1.257], df[0.052,0.460], g[0.019,0.311]
1/1 [=====] - 0s 66ms/step
>183, dr[0.137,0.909], df[0.058,0.332], g[0.020,0.288]
1/1 [=====] - 0s 66ms/step
>184, dr[0.026,0.649], df[0.072,0.470], g[0.041,0.217]
1/1 [=====] - 0s 78ms/step
>185, dr[0.051,0.908], df[0.048,0.252], g[0.056,0.330]
1/1 [=====] - 0s 67ms/step
>186, dr[0.065,1.551], df[0.027,0.272], g[0.036,0.256]
1/1 [=====] - 0s 72ms/step
>187, dr[0.051,1.212], df[0.157,0.312], g[0.070,0.260]
1/1 [=====] - 0s 73ms/step
>188, dr[0.102,1.214], df[0.015,0.343], g[0.083,0.370]
1/1 [=====] - 0s 66ms/step
>189, dr[0.144,0.564], df[0.056,0.453], g[0.035,0.281]
1/1 [=====] - 0s 69ms/step
>190, dr[0.062,0.640], df[0.041,0.419], g[0.013,0.206]
1/1 [=====] - 0s 72ms/step
>191, dr[0.029,1.694], df[0.121,0.331], g[0.043,0.213]
1/1 [=====] - 0s 74ms/step
>192, dr[0.044,1.013], df[0.025,0.339], g[0.073,0.246]
1/1 [=====] - 0s 67ms/step
>193, dr[0.061,1.147], df[0.054,0.334], g[0.046,0.340]
1/1 [=====] - 0s 71ms/step
>194, dr[0.061,0.994], df[0.051,0.185], g[0.027,0.266]
1/1 [=====] - 0s 72ms/step
>195, dr[0.121,0.781], df[0.032,0.318], g[0.015,0.300]
1/1 [=====] - 0s 77ms/step
>196, dr[0.021,0.854], df[0.066,0.196], g[0.022,0.208]
1/1 [=====] - 0s 66ms/step
>197, dr[0.030,1.001], df[0.024,0.382], g[0.057,0.216]
1/1 [=====] - 0s 72ms/step
>198, dr[0.077,0.850], df[0.058,0.295], g[0.029,0.170]
1/1 [=====] - 0s 71ms/step
>199, dr[0.045,1.020], df[0.033,0.418], g[0.023,0.161]
1/1 [=====] - 0s 75ms/step
>200, dr[0.022,0.778], df[0.052,0.260], g[0.021,0.187]
1/1 [=====] - 0s 84ms/step
>201, dr[0.039,0.795], df[0.033,0.367], g[0.050,0.172]
1/1 [=====] - 0s 67ms/step
>202, dr[0.025,0.800], df[0.023,0.218], g[0.047,0.103]
1/1 [=====] - 0s 73ms/step
>203, dr[0.031,0.874], df[0.016,0.188], g[0.026,0.155]
1/1 [=====] - 0s 66ms/step
>204, dr[0.021,0.632], df[0.055,0.254], g[0.032,0.095]
1/1 [=====] - 0s 70ms/step
>205, dr[0.105,0.632], df[0.035,0.181], g[0.039,0.107]
1/1 [=====] - 0s 69ms/step
>206, dr[0.016,1.329], df[0.013,0.320], g[0.021,0.278]
1/1 [=====] - 0s 75ms/step
>207, dr[0.025,1.237], df[0.033,0.169], g[0.021,0.147]
1/1 [=====] - 0s 65ms/step
>208, dr[0.051,1.295], df[0.029,0.217], g[0.028,0.187]
1/1 [=====] - 0s 70ms/step
>209, dr[0.042,1.057], df[0.065,0.246], g[0.026,0.143]
1/1 [=====] - 0s 64ms/step
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>210, dr[0.020,0.964], df[0.113,0.197], g[0.058,0.161]
1/1 [=====] - 0s 72ms/step
>211, dr[0.087,0.875], df[0.052,0.219], g[0.094,0.102]
1/1 [=====] - 0s 66ms/step
>212, dr[0.087,0.861], df[0.022,0.120], g[0.081,0.310]
1/1 [=====] - 0s 70ms/step
>213, dr[0.102,1.441], df[0.052,0.151], g[0.065,0.121]
1/1 [=====] - 0s 65ms/step
>214, dr[0.091,1.053], df[0.030,0.231], g[0.033,0.265]
1/1 [=====] - 0s 79ms/step
>215, dr[0.044,0.912], df[0.043,0.116], g[0.047,0.186]
1/1 [=====] - 0s 67ms/step
>216, dr[0.017,1.167], df[0.024,0.350], g[0.065,0.120]
1/1 [=====] - 0s 69ms/step
>217, dr[0.033,0.764], df[0.017,0.153], g[0.030,0.128]
1/1 [=====] - 0s 66ms/step
>218, dr[0.059,0.678], df[0.028,0.135], g[0.022,0.092]
1/1 [=====] - 0s 73ms/step
>219, dr[0.038,0.842], df[0.058,0.148], g[0.044,0.124]
1/1 [=====] - 0s 68ms/step
>220, dr[0.066,1.240], df[0.015,0.286], g[0.022,0.185]
1/1 [=====] - 0s 69ms/step
>221, dr[0.024,1.041], df[0.034,0.243], g[0.021,0.146]
1/1 [=====] - 0s 65ms/step
>222, dr[0.036,1.069], df[0.042,0.296], g[0.042,0.169]
1/1 [=====] - 0s 70ms/step
>223, dr[0.107,1.187], df[0.037,0.161], g[0.016,0.108]
1/1 [=====] - 0s 67ms/step
>224, dr[0.016,0.938], df[0.056,0.229], g[0.025,0.129]
1/1 [=====] - 0s 71ms/step
>225, dr[0.016,1.082], df[0.031,0.238], g[0.047,0.144]
1/1 [=====] - 0s 72ms/step
>226, dr[0.069,1.178], df[0.044,0.207], g[0.071,0.150]
1/1 [=====] - 0s 69ms/step
>227, dr[0.046,0.504], df[0.014,0.181], g[0.019,0.176]
1/1 [=====] - 0s 72ms/step
>228, dr[0.039,0.682], df[0.045,0.099], g[0.059,0.159]
1/1 [=====] - 0s 66ms/step
>229, dr[0.054,1.326], df[0.056,0.196], g[0.084,0.128]
1/1 [=====] - 0s 70ms/step
>230, dr[0.028,1.079], df[0.037,0.087], g[0.098,0.119]
1/1 [=====] - 0s 73ms/step
>231, dr[0.037,0.598], df[0.060,0.134], g[0.112,0.089]
1/1 [=====] - 0s 72ms/step
>232, dr[0.030,0.862], df[0.015,0.192], g[0.066,0.148]
1/1 [=====] - 0s 66ms/step
>233, dr[0.031,0.635], df[0.026,0.186], g[0.037,0.121]
1/1 [=====] - 0s 74ms/step
>234, dr[0.151,0.648], df[0.031,0.232], g[0.021,0.110]
1/1 [=====] - 0s 68ms/step
>235, dr[0.019,0.892], df[0.147,0.195], g[0.150,0.140]
1/1 [=====] - 0s 77ms/step
>236, dr[0.091,0.514], df[0.012,0.090], g[0.110,0.100]
1/1 [=====] - 0s 68ms/step
>237, dr[0.044,1.105], df[0.015,0.094], g[0.023,0.090]
1/1 [=====] - 0s 80ms/step
>238, dr[0.051,0.671], df[0.122,0.146], g[0.087,0.189]
1/1 [=====] - 0s 67ms/step
>239, dr[0.109,0.959], df[0.019,0.106], g[0.071,0.162]
1/1 [=====] - 0s 73ms/step
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>240, dr[0.091,0.649], df[0.065,0.129], g[0.063,0.141]
1/1 [=====] - 0s 68ms/step
>241, dr[0.059,0.824], df[0.016,0.131], g[0.095,0.210]
1/1 [=====] - 0s 74ms/step
>242, dr[0.018,0.492], df[0.010,0.155], g[0.060,0.079]
1/1 [=====] - 0s 68ms/step
>243, dr[0.012,1.338], df[0.059,0.105], g[0.055,0.163]
1/1 [=====] - 0s 65ms/step
>244, dr[0.030,0.894], df[0.055,0.138], g[0.064,0.087]
1/1 [=====] - 0s 69ms/step
>245, dr[0.019,1.191], df[0.024,0.156], g[0.181,0.131]
1/1 [=====] - 0s 66ms/step
>246, dr[0.055,0.731], df[0.065,0.120], g[0.072,0.126]
1/1 [=====] - 0s 67ms/step
>247, dr[0.028,0.606], df[0.016,0.102], g[0.023,0.168]
1/1 [=====] - 0s 70ms/step
>248, dr[0.086,0.721], df[0.231,0.129], g[0.473,0.218]
1/1 [=====] - 0s 72ms/step
>249, dr[0.201,0.509], df[0.005,0.145], g[0.224,0.106]
1/1 [=====] - 0s 68ms/step
>250, dr[0.147,1.324], df[0.021,0.081], g[0.015,0.191]
1/1 [=====] - 0s 73ms/step
>251, dr[0.023,1.501], df[0.089,0.195], g[0.185,0.157]
1/1 [=====] - 0s 64ms/step
>252, dr[0.133,0.582], df[0.039,0.240], g[0.020,0.226]
1/1 [=====] - 0s 77ms/step
>253, dr[0.056,0.334], df[0.458,0.058], g[4.675,0.277]
1/1 [=====] - 0s 70ms/step
>254, dr[0.883,0.784], df[0.538,0.094], g[0.959,0.435]
1/1 [=====] - 0s 75ms/step
>255, dr[0.106,0.437], df[0.022,0.149], g[0.692,0.261]
1/1 [=====] - 0s 65ms/step
>256, dr[0.114,1.053], df[0.066,0.062], g[0.316,0.134]
1/1 [=====] - 0s 76ms/step
>257, dr[0.119,1.145], df[0.029,0.136], g[0.214,0.095]
1/1 [=====] - 0s 75ms/step
>258, dr[0.048,0.874], df[0.060,0.103], g[0.229,0.175]
1/1 [=====] - 0s 75ms/step
>259, dr[0.075,1.066], df[0.083,0.070], g[0.222,0.165]
1/1 [=====] - 0s 66ms/step
>260, dr[0.065,1.045], df[0.048,0.108], g[0.311,0.183]
1/1 [=====] - 0s 77ms/step
>261, dr[0.138,1.270], df[0.046,0.225], g[0.157,0.106]
1/1 [=====] - 0s 66ms/step
>262, dr[0.060,1.778], df[0.201,0.116], g[0.847,0.153]
1/1 [=====] - 0s 67ms/step
>263, dr[0.353,0.963], df[0.015,0.211], g[0.301,0.139]
1/1 [=====] - 0s 64ms/step
>264, dr[0.024,0.601], df[0.081,0.084], g[0.195,0.173]
1/1 [=====] - 0s 66ms/step
>265, dr[0.070,1.208], df[0.118,0.214], g[0.522,0.180]
1/1 [=====] - 0s 66ms/step
>266, dr[0.122,0.725], df[0.014,0.117], g[0.100,0.204]
1/1 [=====] - 0s 68ms/step
>267, dr[0.028,0.749], df[0.072,0.145], g[0.156,0.200]
1/1 [=====] - 0s 65ms/step
>268, dr[0.037,1.158], df[0.080,0.123], g[0.701,0.148]
1/1 [=====] - 0s 66ms/step
>269, dr[0.139,1.286], df[0.010,0.209], g[0.194,0.236]
1/1 [=====] - 0s 67ms/step
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>270, dr[0.070,0.760], df[0.118,0.162], g[0.206,0.127]
1/1 [=====] - 0s 66ms/step
>271, dr[0.017,1.040], df[0.032,0.242], g[0.433,0.119]
1/1 [=====] - 0s 69ms/step
>272, dr[0.156,0.965], df[0.080,0.083], g[0.606,0.168]
1/1 [=====] - 0s 73ms/step
>273, dr[0.061,0.929], df[0.040,0.187], g[0.483,0.142]
1/1 [=====] - 0s 75ms/step
>274, dr[0.049,1.066], df[0.023,0.094], g[0.402,0.126]
1/1 [=====] - 0s 67ms/step
>275, dr[0.103,1.191], df[0.131,0.053], g[0.498,0.126]
1/1 [=====] - 0s 71ms/step
>276, dr[0.063,0.678], df[0.026,0.138], g[0.459,0.129]
1/1 [=====] - 0s 68ms/step
>277, dr[0.110,0.727], df[0.121,0.136], g[0.379,0.094]
1/1 [=====] - 0s 100ms/step
>278, dr[0.041,0.903], df[0.026,0.093], g[0.493,0.085]
1/1 [=====] - 0s 75ms/step
>279, dr[0.101,1.156], df[0.050,0.064], g[0.525,0.113]
1/1 [=====] - 0s 70ms/step
>280, dr[0.031,0.683], df[0.018,0.053], g[0.744,0.102]
1/1 [=====] - 0s 72ms/step
>281, dr[0.163,0.973], df[0.212,0.062], g[1.523,0.077]
1/1 [=====] - 0s 65ms/step
>282, dr[0.169,0.845], df[0.012,0.153], g[1.342,0.104]
1/1 [=====] - 0s 70ms/step
>283, dr[0.049,1.003], df[0.039,0.113], g[0.848,0.168]
1/1 [=====] - 0s 70ms/step
>284, dr[0.087,0.809], df[0.078,0.071], g[0.444,0.187]
1/1 [=====] - 0s 71ms/step
>285, dr[0.048,0.912], df[0.056,0.117], g[0.557,0.143]
1/1 [=====] - 0s 65ms/step
>286, dr[0.054,0.973], df[0.021,0.149], g[0.444,0.109]
1/1 [=====] - 0s 72ms/step
>287, dr[0.019,0.829], df[0.092,0.097], g[0.562,0.160]
1/1 [=====] - 0s 70ms/step
>288, dr[0.072,0.734], df[0.044,0.048], g[0.555,0.050]
1/1 [=====] - 0s 76ms/step
>289, dr[0.074,0.582], df[0.205,0.097], g[1.840,0.168]
1/1 [=====] - 0s 67ms/step
>290, dr[0.322,0.664], df[0.120,0.157], g[0.507,0.090]
1/1 [=====] - 0s 73ms/step
>291, dr[0.058,0.702], df[0.268,0.062], g[2.610,0.133]
1/1 [=====] - 0s 68ms/step
>292, dr[0.807,0.805], df[0.319,0.053], g[0.122,0.152]
1/1 [=====] - 0s 77ms/step
>293, dr[0.029,0.906], df[0.060,0.148], g[0.379,0.109]
1/1 [=====] - 0s 65ms/step
>294, dr[0.071,0.561], df[0.021,0.093], g[0.164,0.172]
1/1 [=====] - 0s 68ms/step
>295, dr[0.093,0.880], df[0.250,0.105], g[0.572,0.151]
1/1 [=====] - 0s 69ms/step
>296, dr[0.181,0.954], df[0.030,0.090], g[0.360,0.101]
1/1 [=====] - 0s 66ms/step
>297, dr[0.356,0.552], df[2.018,0.183], g[11.857,0.403]
1/1 [=====] - 0s 68ms/step
>298, dr[3.811,1.035], df[0.004,0.291], g[3.378,0.318]
1/1 [=====] - 0s 63ms/step
>299, dr[0.303,1.062], df[2.657,0.255], g[4.976,0.393]
1/1 [=====] - 0s 77ms/step
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>300, dr[0.130,0.484], df[0.012,0.488], g[6.959,0.272]
1/1 [=====] - 0s 70ms/step
>301, dr[0.498,1.138], df[1.040,0.503], g[4.421,0.223]
1/1 [=====] - 0s 70ms/step
>302, dr[0.822,0.902], df[1.613,0.343], g[4.726,0.323]
1/1 [=====] - 0s 68ms/step
>303, dr[1.147,1.338], df[0.157,0.212], g[2.347,0.211]
1/1 [=====] - 0s 75ms/step
>304, dr[0.310,0.840], df[0.723,0.288], g[2.368,0.228]
1/1 [=====] - 0s 68ms/step
>305, dr[0.149,1.314], df[0.354,0.281], g[1.918,0.128]
1/1 [=====] - 0s 71ms/step
>306, dr[0.270,0.535], df[1.374,0.702], g[3.857,0.085]
1/1 [=====] - 0s 75ms/step
>307, dr[1.120,1.294], df[1.254,0.399], g[4.239,0.086]
1/1 [=====] - 0s 73ms/step
>308, dr[0.862,0.504], df[0.343,0.676], g[1.691,0.149]
1/1 [=====] - 0s 68ms/step
>309, dr[0.704,1.186], df[0.754,0.764], g[1.312,0.081]
1/1 [=====] - 0s 74ms/step
>310, dr[0.303,1.088], df[0.040,0.276], g[1.186,0.214]
1/1 [=====] - 0s 72ms/step
>311, dr[0.842,1.057], df[1.343,0.215], g[1.088,0.131]
1/1 [=====] - 0s 71ms/step
>312, dr[0.446,1.146], df[0.290,0.066], g[0.954,0.109]
1/1 [=====] - 0s 78ms/step
>313, dr[0.763,0.843], df[0.915,0.121], g[0.647,0.116]
1/1 [=====] - 0s 71ms/step
>314, dr[2.000,1.420], df[3.041,0.171], g[0.658,0.081]
1/1 [=====] - 0s 80ms/step
>315, dr[0.417,0.436], df[0.816,0.097], g[2.188,0.135]
1/1 [=====] - 0s 85ms/step
>316, dr[1.543,1.093], df[0.754,0.219], g[1.927,0.089]
1/1 [=====] - 0s 74ms/step
>317, dr[1.061,0.745], df[0.632,0.105], g[1.400,0.164]
1/1 [=====] - 0s 73ms/step
>318, dr[0.252,0.804], df[0.190,0.171], g[1.462,0.115]
1/1 [=====] - 0s 80ms/step
>319, dr[0.328,0.694], df[0.253,0.307], g[1.251,0.137]
1/1 [=====] - 0s 69ms/step
>320, dr[0.195,1.068], df[0.298,0.180], g[1.196,0.084]
1/1 [=====] - 0s 69ms/step
>321, dr[0.327,0.820], df[0.124,0.079], g[1.001,0.106]
1/1 [=====] - 0s 72ms/step
>322, dr[0.192,1.644], df[0.496,0.130], g[1.012,0.121]
1/1 [=====] - 0s 68ms/step
>323, dr[0.297,0.650], df[0.227,0.073], g[1.360,0.126]
1/1 [=====] - 0s 75ms/step
>324, dr[0.708,0.745], df[1.163,0.042], g[1.648,0.040]
1/1 [=====] - 0s 74ms/step
>325, dr[0.539,0.735], df[1.110,0.051], g[3.047,0.046]
1/1 [=====] - 0s 84ms/step
>326, dr[1.602,1.096], df[1.045,0.035], g[2.140,0.059]
1/1 [=====] - 0s 74ms/step
>327, dr[1.279,0.864], df[1.689,0.061], g[2.296,0.048]
1/1 [=====] - 0s 75ms/step
>328, dr[1.037,0.634], df[0.607,0.086], g[2.937,0.037]
1/1 [=====] - 0s 71ms/step
>329, dr[1.417,1.007], df[0.530,0.050], g[1.997,0.067]
1/1 [=====] - 0s 79ms/step
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>330, dr[0.658,1.217], df[0.458,0.144], g[1.830,0.099]
1/1 [=====] - 0s 75ms/step
>331, dr[0.779,0.881], df[0.592,0.089], g[1.693,0.075]
1/1 [=====] - 0s 77ms/step
>332, dr[0.642,1.394], df[0.620,0.035], g[1.636,0.099]
1/1 [=====] - 0s 77ms/step
>333, dr[0.737,0.610], df[0.608,0.032], g[1.108,0.135]
1/1 [=====] - 0s 71ms/step
>334, dr[0.783,0.903], df[1.417,0.131], g[1.605,0.070]
1/1 [=====] - 0s 83ms/step
>335, dr[0.432,0.720], df[0.541,0.061], g[1.765,0.062]
1/1 [=====] - 0s 75ms/step
>336, dr[1.479,1.602], df[0.547,0.075], g[0.666,0.137]
1/1 [=====] - 0s 76ms/step
>337, dr[0.547,0.776], df[0.946,0.123], g[1.137,0.088]
1/1 [=====] - 0s 70ms/step
>338, dr[0.645,0.941], df[0.668,0.062], g[1.055,0.092]
1/1 [=====] - 0s 73ms/step
>339, dr[0.841,1.305], df[0.648,0.071], g[0.846,0.063]
1/1 [=====] - 0s 71ms/step
>340, dr[0.537,0.928], df[0.620,0.058], g[0.965,0.059]
1/1 [=====] - 0s 70ms/step
>341, dr[0.467,1.105], df[0.857,0.056], g[1.852,0.077]
1/1 [=====] - 0s 76ms/step
>342, dr[1.401,0.834], df[1.932,0.080], g[1.890,0.061]
1/1 [=====] - 0s 70ms/step
>343, dr[1.015,0.533], df[1.535,0.083], g[2.401,0.054]
1/1 [=====] - 0s 73ms/step
>344, dr[1.396,0.484], df[0.613,0.057], g[1.787,0.050]
1/1 [=====] - 0s 74ms/step
>345, dr[0.859,0.551], df[0.667,0.086], g[2.074,0.065]
1/1 [=====] - 0s 75ms/step
>346, dr[0.605,0.848], df[0.560,0.107], g[2.338,0.104]
1/1 [=====] - 0s 73ms/step
>347, dr[0.857,0.733], df[0.381,0.033], g[1.655,0.143]
1/1 [=====] - 0s 76ms/step
>348, dr[0.451,0.792], df[0.930,0.069], g[1.911,0.111]
1/1 [=====] - 0s 68ms/step
>349, dr[0.766,0.678], df[0.470,0.091], g[1.713,0.047]
1/1 [=====] - 0s 72ms/step
>350, dr[0.615,0.881], df[0.762,0.028], g[2.249,0.102]
1/1 [=====] - 0s 71ms/step
>351, dr[1.086,0.461], df[0.949,0.035], g[1.778,0.118]
1/1 [=====] - 0s 75ms/step
>352, dr[0.560,0.919], df[0.974,0.121], g[1.840,0.073]
1/1 [=====] - 0s 70ms/step
>353, dr[0.795,1.503], df[0.430,0.087], g[1.078,0.054]
1/1 [=====] - 0s 82ms/step
>354, dr[0.671,1.056], df[0.890,0.090], g[0.841,0.070]
1/1 [=====] - 0s 73ms/step
>355, dr[0.537,0.832], df[0.319,0.110], g[0.960,0.108]
1/1 [=====] - 0s 76ms/step
>356, dr[0.716,0.943], df[0.399,0.124], g[0.667,0.103]
1/1 [=====] - 0s 86ms/step
>357, dr[0.384,0.616], df[0.618,0.166], g[0.661,0.032]
1/1 [=====] - 0s 70ms/step
>358, dr[0.322,0.452], df[0.156,0.106], g[0.816,0.078]
1/1 [=====] - 0s 84ms/step
>359, dr[0.275,0.411], df[0.389,0.018], g[1.279,0.037]
1/1 [=====] - 0s 72ms/step
```

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>360, dr[0.356,0.800], df[0.191,0.061], g[1.081,0.109]
1/1 [=====] - 0s 77ms/step
>361, dr[0.309,0.585], df[0.502,0.095], g[1.424,0.067]
1/1 [=====] - 0s 72ms/step
>362, dr[0.392,0.854], df[0.798,0.032], g[1.915,0.057]
1/1 [=====] - 0s 68ms/step
>363, dr[1.252,0.870], df[0.550,0.048], g[1.158,0.049]
1/1 [=====] - 0s 72ms/step
>364, dr[0.455,1.649], df[1.048,0.033], g[2.315,0.049]
1/1 [=====] - 0s 74ms/step
>365, dr[0.723,0.959], df[0.300,0.050], g[1.806,0.066]
1/1 [=====] - 0s 70ms/step
>366, dr[0.685,0.862], df[0.503,0.099], g[1.765,0.056]
1/1 [=====] - 0s 77ms/step
>367, dr[0.891,0.808], df[1.081,0.054], g[1.723,0.103]
1/1 [=====] - 0s 88ms/step
>368, dr[0.868,0.826], df[0.462,0.045], g[1.700,0.176]
1/1 [=====] - 0s 85ms/step
>369, dr[0.584,1.329], df[0.375,0.037], g[1.128,0.132]
1/1 [=====] - 0s 83ms/step
>370, dr[0.625,1.064], df[0.785,0.140], g[1.553,0.114]
1/1 [=====] - 0s 86ms/step
>371, dr[0.824,0.596], df[0.428,0.029], g[1.192,0.115]
1/1 [=====] - 0s 81ms/step
>372, dr[0.564,1.005], df[0.710,0.045], g[1.740,0.148]
1/1 [=====] - 0s 81ms/step
>373, dr[0.823,0.762], df[0.642,0.053], g[1.308,0.162]
1/1 [=====] - 0s 77ms/step
>374, dr[0.905,1.288], df[1.229,0.036], g[1.336,0.084]
1/1 [=====] - 0s 92ms/step
>375, dr[0.451,1.220], df[0.827,0.050], g[1.872,0.065]
1/1 [=====] - 0s 74ms/step
>376, dr[0.670,0.717], df[0.189,0.057], g[1.128,0.110]
1/1 [=====] - 0s 78ms/step
>377, dr[0.460,0.884], df[0.569,0.040], g[0.931,0.048]
1/1 [=====] - 0s 79ms/step
>378, dr[0.366,0.549], df[0.824,0.063], g[1.814,0.110]
1/1 [=====] - 0s 84ms/step
>379, dr[0.865,0.725], df[0.401,0.084], g[1.709,0.077]
1/1 [=====] - 0s 109ms/step
>380, dr[0.263,0.844], df[0.574,0.032], g[2.023,0.095]
1/1 [=====] - 0s 84ms/step
>381, dr[0.899,1.148], df[0.731,0.031], g[1.387,0.030]
1/1 [=====] - 0s 84ms/step
>382, dr[0.704,0.444], df[1.571,0.046], g[2.005,0.042]
1/1 [=====] - 0s 88ms/step
>383, dr[1.131,1.146], df[0.540,0.039], g[2.101,0.055]
1/1 [=====] - 0s 79ms/step
>384, dr[0.804,0.480], df[0.900,0.050], g[2.040,0.123]
1/1 [=====] - 0s 88ms/step
>385, dr[0.837,0.811], df[0.427,0.035], g[1.674,0.109]
1/1 [=====] - 0s 75ms/step
>386, dr[0.557,1.138], df[0.421,0.070], g[1.712,0.080]
1/1 [=====] - 0s 81ms/step
>387, dr[0.640,1.421], df[0.676,0.037], g[1.484,0.107]
1/1 [=====] - 0s 80ms/step
>388, dr[0.432,1.223], df[0.430,0.133], g[1.843,0.090]
1/1 [=====] - 0s 67ms/step
>389, dr[0.538,1.174], df[0.364,0.099], g[1.426,0.056]
1/1 [=====] - 0s 72ms/step
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>390, dr[0.489,0.560], df[0.582,0.034], g[1.254,0.072]
1/1 [=====] - 0s 70ms/step
>391, dr[0.366,0.647], df[0.301,0.048], g[1.610,0.078]
1/1 [=====] - 0s 82ms/step
>392, dr[0.618,0.725], df[0.580,0.065], g[1.294,0.082]
1/1 [=====] - 0s 65ms/step
>393, dr[0.275,1.151], df[0.559,0.065], g[1.895,0.099]
1/1 [=====] - 0s 79ms/step
>394, dr[0.516,1.072], df[0.320,0.071], g[1.366,0.133]
1/1 [=====] - 0s 71ms/step
>395, dr[0.267,0.871], df[0.441,0.045], g[1.433,0.144]
1/1 [=====] - 0s 70ms/step
>396, dr[0.669,0.552], df[0.493,0.045], g[1.039,0.129]
1/1 [=====] - 0s 67ms/step
>397, dr[0.252,0.556], df[0.562,0.031], g[1.558,0.086]
1/1 [=====] - 0s 72ms/step
>398, dr[0.398,0.654], df[0.221,0.048], g[1.634,0.082]
1/1 [=====] - 0s 64ms/step
>399, dr[0.562,0.754], df[0.234,0.067], g[0.982,0.138]
1/1 [=====] - 0s 65ms/step
>400, dr[0.185,0.989], df[0.272,0.040], g[1.110,0.083]
1/1 [=====] - 0s 65ms/step
>401, dr[0.410,1.099], df[0.434,0.031], g[1.066,0.061]
1/1 [=====] - 0s 71ms/step
>402, dr[0.425,0.962], df[0.744,0.022], g[1.284,0.100]
1/1 [=====] - 0s 68ms/step
>403, dr[0.449,1.347], df[0.302,0.079], g[1.537,0.135]
1/1 [=====] - 0s 69ms/step
>404, dr[0.418,0.987], df[0.378,0.035], g[1.525,0.073]
1/1 [=====] - 0s 81ms/step
>405, dr[0.586,0.705], df[0.697,0.042], g[1.622,0.201]
1/1 [=====] - 0s 71ms/step
>406, dr[0.577,0.925], df[0.630,0.129], g[1.821,0.188]
1/1 [=====] - 0s 72ms/step
>407, dr[0.502,0.978], df[0.511,0.042], g[1.753,0.083]
1/1 [=====] - 0s 76ms/step
>408, dr[0.447,0.837], df[0.473,0.033], g[2.015,0.073]
1/1 [=====] - 0s 81ms/step
>409, dr[0.537,1.275], df[0.551,0.037], g[2.223,0.085]
1/1 [=====] - 0s 70ms/step
>410, dr[0.472,0.831], df[0.574,0.043], g[2.093,0.056]
1/1 [=====] - 0s 74ms/step
>411, dr[0.524,1.292], df[0.441,0.046], g[1.923,0.153]
1/1 [=====] - 0s 64ms/step
>412, dr[0.406,0.937], df[0.723,0.029], g[2.196,0.112]
1/1 [=====] - 0s 74ms/step
>413, dr[0.699,0.423], df[0.779,0.239], g[1.697,0.206]
1/1 [=====] - 0s 66ms/step
>414, dr[0.810,0.894], df[0.820,0.200], g[1.604,0.118]
1/1 [=====] - 0s 78ms/step
>415, dr[0.512,0.815], df[0.977,0.253], g[2.320,0.175]
1/1 [=====] - 0s 67ms/step
>416, dr[0.653,0.434], df[0.432,0.116], g[2.369,0.195]
1/1 [=====] - 0s 76ms/step
>417, dr[0.659,1.445], df[0.479,0.196], g[2.342,0.182]
1/1 [=====] - 0s 67ms/step
>418, dr[0.363,0.730], df[0.175,0.084], g[2.753,0.102]
1/1 [=====] - 0s 73ms/step
>419, dr[0.297,0.864], df[0.288,0.063], g[2.406,0.062]
1/1 [=====] - 0s 66ms/step
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>420, dr[0.382,0.731], df[0.501,0.052], g[2.341,0.060]
1/1 [=====] - 0s 71ms/step
>421, dr[0.316,0.544], df[0.327,0.040], g[2.307,0.049]
1/1 [=====] - 0s 67ms/step
>422, dr[0.499,0.785], df[0.374,0.025], g[1.605,0.097]
1/1 [=====] - 0s 81ms/step
>423, dr[0.363,0.596], df[0.523,0.042], g[2.455,0.063]
1/1 [=====] - 0s 74ms/step
>424, dr[0.829,0.934], df[0.442,0.183], g[1.424,0.112]
1/1 [=====] - 0s 73ms/step
>425, dr[0.325,0.763], df[0.586,0.070], g[1.815,0.104]
1/1 [=====] - 0s 87ms/step
>426, dr[0.853,0.627], df[0.449,0.302], g[1.391,0.054]
1/1 [=====] - 0s 68ms/step
>427, dr[0.385,1.023], df[0.392,0.171], g[1.312,0.128]
1/1 [=====] - 0s 73ms/step
>428, dr[0.297,1.182], df[0.415,0.042], g[1.548,0.086]
1/1 [=====] - 0s 70ms/step
>429, dr[0.521,1.968], df[0.440,0.062], g[2.096,0.102]
1/1 [=====] - 0s 76ms/step
>430, dr[0.621,0.749], df[0.330,0.072], g[1.337,0.069]
1/1 [=====] - 0s 66ms/step
>431, dr[0.356,0.643], df[0.376,0.085], g[1.740,0.154]
1/1 [=====] - 0s 71ms/step
>432, dr[0.461,0.537], df[0.281,0.027], g[1.641,0.093]
1/1 [=====] - 0s 67ms/step
>433, dr[0.246,0.996], df[0.529,0.040], g[1.657,0.045]
1/1 [=====] - 0s 76ms/step
>434, dr[0.377,0.859], df[0.533,0.024], g[2.338,0.117]
1/1 [=====] - 0s 64ms/step
>435, dr[0.732,0.863], df[0.574,0.107], g[2.226,0.071]
1/1 [=====] - 0s 78ms/step
>436, dr[0.619,0.665], df[0.829,0.037], g[2.264,0.060]
1/1 [=====] - 0s 66ms/step
>437, dr[0.728,0.968], df[0.667,0.029], g[2.518,0.084]
1/1 [=====] - 0s 79ms/step
>438, dr[0.699,0.840], df[0.746,0.048], g[2.737,0.108]
1/1 [=====] - 0s 66ms/step
>439, dr[0.779,0.557], df[0.294,0.062], g[2.340,0.116]
1/1 [=====] - 0s 82ms/step
>440, dr[0.393,0.589], df[0.271,0.034], g[2.212,0.069]
1/1 [=====] - 0s 65ms/step
>441, dr[0.505,0.898], df[0.640,0.046], g[1.802,0.123]
1/1 [=====] - 0s 73ms/step
>442, dr[0.396,0.654], df[0.469,0.087], g[1.873,0.127]
1/1 [=====] - 0s 65ms/step
>443, dr[0.428,1.346], df[0.307,0.075], g[2.579,0.071]
1/1 [=====] - 0s 80ms/step
>444, dr[0.551,0.700], df[0.220,0.064], g[1.587,0.130]
1/1 [=====] - 0s 67ms/step
>445, dr[0.288,0.566], df[0.275,0.062], g[1.847,0.069]
1/1 [=====] - 0s 68ms/step
>446, dr[0.395,0.591], df[0.555,0.113], g[1.490,0.155]
1/1 [=====] - 0s 66ms/step
>447, dr[0.514,1.023], df[0.411,0.099], g[1.924,0.109]
1/1 [=====] - 0s 69ms/step
>448, dr[0.477,0.830], df[0.347,0.049], g[1.943,0.073]
1/1 [=====] - 0s 73ms/step
>449, dr[0.414,1.239], df[0.413,0.058], g[1.883,0.081]
1/1 [=====] - 0s 65ms/step
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>450, dr[0.285,1.207], df[0.357,0.044], g[2.206,0.101]
1/1 [=====] - 0s 70ms/step
>451, dr[0.442,0.848], df[0.181,0.093], g[1.941,0.071]
1/1 [=====] - 0s 79ms/step
>452, dr[0.886,0.793], df[0.311,0.106], g[1.157,0.054]
1/1 [=====] - 0s 87ms/step
>453, dr[0.194,0.669], df[0.687,0.071], g[1.555,0.111]
1/1 [=====] - 0s 80ms/step
>454, dr[0.441,0.937], df[0.328,0.142], g[2.084,0.075]
1/1 [=====] - 0s 77ms/step
>455, dr[0.701,0.887], df[0.528,0.071], g[1.949,0.068]
1/1 [=====] - 0s 73ms/step
>456, dr[0.590,0.555], df[0.411,0.032], g[2.020,0.057]
1/1 [=====] - 0s 69ms/step
>457, dr[0.540,0.868], df[0.580,0.088], g[2.264,0.039]
1/1 [=====] - 0s 86ms/step
>458, dr[0.390,0.930], df[0.565,0.184], g[2.158,0.070]
1/1 [=====] - 0s 65ms/step
>459, dr[0.564,0.659], df[0.219,0.071], g[1.873,0.204]
1/1 [=====] - 0s 72ms/step
>460, dr[0.332,0.500], df[0.427,0.082], g[2.158,0.061]
1/1 [=====] - 0s 66ms/step
>461, dr[0.594,0.809], df[0.518,0.115], g[1.971,0.084]
1/1 [=====] - 0s 74ms/step
>462, dr[0.545,0.892], df[0.391,0.050], g[1.755,0.070]
1/1 [=====] - 0s 65ms/step
>463, dr[0.322,0.441], df[0.550,0.068], g[2.265,0.104]
1/1 [=====] - 0s 70ms/step
>464, dr[0.544,1.273], df[0.440,0.065], g[2.211,0.066]
1/1 [=====] - 0s 66ms/step
>465, dr[0.659,0.822], df[0.511,0.046], g[2.118,0.087]
1/1 [=====] - 0s 73ms/step
>466, dr[0.656,1.015], df[0.288,0.092], g[1.872,0.123]
1/1 [=====] - 0s 70ms/step
>467, dr[0.315,0.458], df[0.550,0.048], g[2.239,0.096]
1/1 [=====] - 0s 74ms/step
>468, dr[0.709,0.677], df[0.502,0.089], g[1.981,0.057]
1/1 [=====] - 0s 68ms/step
>469, dr[0.459,0.722], df[0.558,0.034], g[2.081,0.043]
1/1 [=====] - 0s 71ms/step
>470, dr[0.918,1.250], df[0.551,0.066], g[1.455,0.047]
1/1 [=====] - 0s 66ms/step
>471, dr[0.194,0.931], df[0.487,0.027], g[2.429,0.034]
1/1 [=====] - 0s 79ms/step
>472, dr[0.297,0.522], df[0.314,0.042], g[2.482,0.101]
1/1 [=====] - 0s 79ms/step
>473, dr[0.540,1.160], df[0.420,0.044], g[2.031,0.113]
1/1 [=====] - 0s 76ms/step
>474, dr[0.303,0.709], df[0.428,0.100], g[1.924,0.157]
1/1 [=====] - 0s 78ms/step
>475, dr[0.429,0.546], df[0.341,0.112], g[2.022,0.055]
1/1 [=====] - 0s 69ms/step
>476, dr[0.693,0.772], df[0.519,0.078], g[2.071,0.045]
1/1 [=====] - 0s 67ms/step
>477, dr[0.292,1.505], df[0.549,0.118], g[2.316,0.065]
1/1 [=====] - 0s 66ms/step
>478, dr[0.469,0.686], df[0.330,0.069], g[2.295,0.106]
1/1 [=====] - 0s 66ms/step
>479, dr[0.211,0.496], df[0.225,0.055], g[2.258,0.118]
1/1 [=====] - 0s 66ms/step
```

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>480, dr[0.595,0.689], df[0.306,0.070], g[1.578,0.148]
1/1 [=====] - 0s 65ms/step
>481, dr[0.252,0.338], df[0.445,0.100], g[1.897,0.065]
1/1 [=====] - 0s 69ms/step
>482, dr[0.180,0.952], df[0.466,0.052], g[2.438,0.104]
1/1 [=====] - 0s 70ms/step
>483, dr[0.432,0.573], df[0.152,0.035], g[2.294,0.059]
1/1 [=====] - 0s 70ms/step
>484, dr[0.398,0.415], df[0.116,0.138], g[1.792,0.074]
1/1 [=====] - 0s 73ms/step
>485, dr[0.263,1.316], df[0.574,0.061], g[1.779,0.126]
1/1 [=====] - 0s 67ms/step
>486, dr[0.386,1.185], df[0.805,0.176], g[2.978,0.094]
1/1 [=====] - 0s 73ms/step
>487, dr[0.426,0.832], df[0.289,0.046], g[2.294,0.106]
1/1 [=====] - 0s 65ms/step
>488, dr[0.500,1.215], df[0.394,0.042], g[1.665,0.076]
1/1 [=====] - 0s 73ms/step
>489, dr[0.393,0.792], df[0.635,0.119], g[2.196,0.099]
1/1 [=====] - 0s 70ms/step
>490, dr[0.436,0.726], df[0.236,0.138], g[1.898,0.160]
1/1 [=====] - 0s 75ms/step
>491, dr[0.322,1.128], df[0.621,0.143], g[2.284,0.069]
1/1 [=====] - 0s 66ms/step
>492, dr[0.416,0.603], df[0.259,0.089], g[2.038,0.086]
1/1 [=====] - 0s 71ms/step
>493, dr[0.586,0.625], df[0.786,0.107], g[1.822,0.036]
1/1 [=====] - 0s 66ms/step
>494, dr[0.380,0.427], df[0.473,0.104], g[2.492,0.049]
1/1 [=====] - 0s 72ms/step
>495, dr[0.269,1.445], df[0.296,0.060], g[2.097,0.078]
1/1 [=====] - 0s 65ms/step
>496, dr[0.398,0.589], df[0.898,0.043], g[3.269,0.096]
1/1 [=====] - 0s 76ms/step
>497, dr[0.497,0.733], df[0.326,0.091], g[3.018,0.090]
1/1 [=====] - 0s 66ms/step
>498, dr[0.682,0.741], df[0.475,0.105], g[2.588,0.076]
1/1 [=====] - 0s 74ms/step
>499, dr[0.788,0.946], df[0.641,0.132], g[2.161,0.064]
1/1 [=====] - 0s 70ms/step
>500, dr[0.592,0.662], df[0.431,0.080], g[2.527,0.075]
1/1 [=====] - 0s 80ms/step
>501, dr[0.404,0.749], df[0.345,0.099], g[2.406,0.038]
1/1 [=====] - 0s 74ms/step
>502, dr[0.362,1.053], df[0.471,0.108], g[2.671,0.070]
1/1 [=====] - 0s 82ms/step
>503, dr[0.674,0.806], df[0.322,0.047], g[2.143,0.083]
1/1 [=====] - 0s 83ms/step
>504, dr[0.539,0.316], df[0.588,0.052], g[2.027,0.116]
1/1 [=====] - 0s 74ms/step
>505, dr[0.241,0.535], df[0.451,0.150], g[2.490,0.058]
1/1 [=====] - 0s 77ms/step
>506, dr[0.482,0.538], df[0.333,0.029], g[2.428,0.072]
1/1 [=====] - 0s 76ms/step
>507, dr[0.533,0.890], df[0.399,0.068], g[2.071,0.108]
1/1 [=====] - 0s 73ms/step
>508, dr[0.341,0.863], df[0.683,0.079], g[1.843,0.077]
1/1 [=====] - 0s 73ms/step
>509, dr[0.683,1.302], df[0.967,0.059], g[2.504,0.042]
1/1 [=====] - 0s 81ms/step
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>510, dr[0.480,0.534], df[0.372,0.055], g[2.799,0.047]
1/1 [=====] - 0s 73ms/step
>511, dr[0.625,0.640], df[0.655,0.083], g[2.403,0.074]
1/1 [=====] - 0s 75ms/step
>512, dr[0.536,0.999], df[1.129,0.037], g[3.265,0.047]
1/1 [=====] - 0s 81ms/step
>513, dr[1.344,0.542], df[0.404,0.053], g[2.115,0.104]
1/1 [=====] - 0s 82ms/step
>514, dr[0.452,1.198], df[0.600,0.030], g[2.728,0.171]
1/1 [=====] - 0s 77ms/step
>515, dr[0.504,1.152], df[0.414,0.070], g[2.612,0.147]
1/1 [=====] - 0s 76ms/step
>516, dr[0.571,0.652], df[0.764,0.055], g[2.531,0.194]
1/1 [=====] - 0s 70ms/step
>517, dr[0.371,0.804], df[0.430,0.192], g[2.543,0.123]
1/1 [=====] - 0s 73ms/step
>518, dr[0.495,0.563], df[0.518,0.279], g[2.737,0.074]
1/1 [=====] - 0s 75ms/step
>519, dr[0.661,0.438], df[0.475,0.208], g[2.390,0.084]
1/1 [=====] - 0s 75ms/step
>520, dr[0.299,1.458], df[0.393,0.065], g[2.738,0.055]
1/1 [=====] - 0s 73ms/step
>521, dr[0.363,0.720], df[0.414,0.475], g[2.896,0.130]
1/1 [=====] - 0s 76ms/step
>522, dr[0.992,1.315], df[0.341,0.069], g[1.983,0.138]
1/1 [=====] - 0s 74ms/step
>523, dr[0.344,0.612], df[0.476,0.313], g[2.180,0.089]
1/1 [=====] - 0s 76ms/step
>524, dr[0.609,1.261], df[0.410,0.089], g[2.303,0.070]
1/1 [=====] - 0s 70ms/step
>525, dr[0.569,1.218], df[0.782,0.073], g[2.601,0.137]
1/1 [=====] - 0s 77ms/step
>526, dr[0.610,0.839], df[0.461,0.064], g[2.131,0.157]
1/1 [=====] - 0s 78ms/step
>527, dr[0.333,0.947], df[0.551,0.106], g[2.341,0.052]
1/1 [=====] - 0s 102ms/step
>528, dr[0.389,0.787], df[0.526,0.079], g[2.061,0.108]
1/1 [=====] - 0s 86ms/step
>529, dr[0.414,1.365], df[0.485,0.061], g[2.717,0.071]
1/1 [=====] - 0s 70ms/step
>530, dr[0.484,0.875], df[0.463,0.159], g[2.500,0.166]
1/1 [=====] - 0s 77ms/step
>531, dr[0.636,0.686], df[0.730,0.115], g[1.811,0.061]
1/1 [=====] - 0s 77ms/step
>532, dr[0.470,0.962], df[0.691,0.044], g[2.334,0.125]
1/1 [=====] - 0s 88ms/step
>533, dr[0.418,0.510], df[0.219,0.143], g[2.510,0.081]
1/1 [=====] - 0s 70ms/step
>534, dr[0.382,0.937], df[0.462,0.087], g[2.189,0.171]
1/1 [=====] - 0s 77ms/step
>535, dr[0.431,0.484], df[0.570,0.218], g[3.002,0.082]
1/1 [=====] - 0s 79ms/step
>536, dr[0.520,0.828], df[0.504,0.163], g[2.574,0.084]
1/1 [=====] - 0s 77ms/step
>537, dr[0.568,0.634], df[0.446,0.141], g[2.099,0.074]
1/1 [=====] - 0s 77ms/step
>538, dr[0.685,0.666], df[0.383,0.083], g[1.870,0.116]
1/1 [=====] - 0s 72ms/step
>539, dr[0.337,0.712], df[0.602,0.100], g[2.008,0.099]
1/1 [=====] - 0s 90ms/step
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>540, dr[0.574,0.502], df[0.469,0.105], g[1.888,0.106]
1/1 [=====] - 0s 80ms/step
>541, dr[0.641,0.708], df[0.579,0.213], g[1.719,0.125]
1/1 [=====] - 0s 76ms/step
>542, dr[0.594,0.699], df[0.854,0.056], g[2.219,0.104]
1/1 [=====] - 0s 70ms/step
>543, dr[0.757,0.461], df[0.391,0.101], g[2.652,0.109]
1/1 [=====] - 0s 70ms/step
>544, dr[0.855,0.464], df[0.708,0.228], g[2.001,0.200]
1/1 [=====] - 0s 74ms/step
>545, dr[0.259,0.452], df[0.410,0.106], g[2.462,0.068]
1/1 [=====] - 0s 73ms/step
>546, dr[0.503,0.713], df[0.305,0.028], g[1.813,0.253]
1/1 [=====] - 0s 76ms/step
>547, dr[0.346,1.147], df[0.599,0.422], g[2.298,0.230]
1/1 [=====] - 0s 77ms/step
>548, dr[0.700,0.653], df[0.529,0.182], g[2.051,0.063]
1/1 [=====] - 0s 83ms/step
>549, dr[0.501,0.557], df[0.478,0.249], g[1.995,0.185]
1/1 [=====] - 0s 77ms/step
>550, dr[0.432,0.356], df[0.235,0.173], g[2.567,0.145]
1/1 [=====] - 0s 89ms/step
>551, dr[0.346,0.852], df[0.662,0.106], g[2.315,0.145]
1/1 [=====] - 0s 80ms/step
>552, dr[0.541,0.652], df[0.220,0.140], g[1.963,0.121]
1/1 [=====] - 0s 79ms/step
>553, dr[0.715,0.476], df[0.630,0.216], g[1.936,0.123]
1/1 [=====] - 0s 80ms/step
>554, dr[0.501,0.656], df[0.502,0.063], g[1.841,0.071]
1/1 [=====] - 0s 70ms/step
>555, dr[0.457,0.671], df[0.444,0.110], g[2.056,0.105]
1/1 [=====] - 0s 80ms/step
>556, dr[0.593,0.579], df[0.584,0.077], g[1.708,0.200]
1/1 [=====] - 0s 72ms/step
>557, dr[0.459,0.469], df[0.827,0.077], g[1.470,0.075]
1/1 [=====] - 0s 81ms/step
>558, dr[0.500,0.737], df[0.447,0.142], g[1.757,0.085]
1/1 [=====] - 0s 78ms/step
>559, dr[0.336,0.675], df[0.541,0.096], g[1.681,0.174]
1/1 [=====] - 0s 75ms/step
>560, dr[0.472,0.369], df[0.563,0.089], g[1.295,0.196]
1/1 [=====] - 0s 78ms/step
>561, dr[0.447,1.446], df[0.525,0.211], g[1.729,0.242]
1/1 [=====] - 0s 75ms/step
>562, dr[0.411,0.685], df[0.387,0.203], g[1.501,0.082]
1/1 [=====] - 0s 80ms/step
>563, dr[0.449,0.993], df[0.769,0.107], g[1.847,0.148]
1/1 [=====] - 0s 82ms/step
>564, dr[0.494,0.790], df[0.390,0.046], g[1.352,0.117]
1/1 [=====] - 0s 77ms/step
>565, dr[0.367,0.557], df[0.850,0.225], g[1.935,0.048]
1/1 [=====] - 0s 70ms/step
>566, dr[0.862,0.413], df[0.470,0.253], g[2.078,0.198]
1/1 [=====] - 0s 79ms/step
>567, dr[0.940,0.498], df[0.469,0.274], g[1.215,0.128]
1/1 [=====] - 0s 72ms/step
>568, dr[0.749,0.500], df[0.864,0.128], g[1.819,0.209]
1/1 [=====] - 0s 69ms/step
>569, dr[0.511,0.853], df[0.612,0.190], g[1.960,0.062]
1/1 [=====] - 0s 73ms/step
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>570, dr[0.542,0.807], df[0.555,0.041], g[2.040,0.122]
1/1 [=====] - 0s 73ms/step
>571, dr[0.619,0.656], df[0.317,0.060], g[1.652,0.087]
1/1 [=====] - 0s 75ms/step
>572, dr[0.902,1.080], df[0.989,0.242], g[1.272,0.219]
1/1 [=====] - 0s 72ms/step
>573, dr[0.308,1.130], df[0.620,0.127], g[2.262,0.201]
1/1 [=====] - 0s 76ms/step
>574, dr[0.499,0.873], df[0.669,0.185], g[2.301,0.144]
1/1 [=====] - 0s 77ms/step
>575, dr[1.047,1.134], df[0.475,0.081], g[2.098,0.166]
1/1 [=====] - 0s 82ms/step
>576, dr[0.411,0.906], df[0.681,0.060], g[2.460,0.151]
1/1 [=====] - 0s 74ms/step
>577, dr[0.627,0.760], df[0.324,0.078], g[1.925,0.160]
1/1 [=====] - 0s 75ms/step
>578, dr[0.335,0.514], df[0.407,0.073], g[2.396,0.126]
1/1 [=====] - 0s 72ms/step
>579, dr[0.196,0.618], df[0.272,0.154], g[2.882,0.117]
1/1 [=====] - 0s 77ms/step
>580, dr[0.385,0.785], df[0.319,0.167], g[2.673,0.181]
1/1 [=====] - 0s 78ms/step
>581, dr[0.192,0.550], df[0.178,0.160], g[3.220,0.308]
1/1 [=====] - 0s 78ms/step
>582, dr[0.348,0.645], df[0.330,0.144], g[2.710,0.100]
1/1 [=====] - 0s 92ms/step
>583, dr[0.347,0.459], df[0.476,0.200], g[3.264,0.253]
1/1 [=====] - 0s 67ms/step
>584, dr[0.747,0.813], df[0.174,0.344], g[2.596,0.139]
1/1 [=====] - 0s 65ms/step
>585, dr[0.387,1.287], df[0.294,0.289], g[2.552,0.113]
1/1 [=====] - 0s 69ms/step
>586, dr[0.150,0.448], df[0.223,0.302], g[2.923,0.058]
1/1 [=====] - 0s 65ms/step
>587, dr[0.310,0.768], df[0.300,0.138], g[2.877,0.139]
1/1 [=====] - 0s 69ms/step
>588, dr[0.385,0.603], df[0.331,0.324], g[3.046,0.074]
1/1 [=====] - 0s 67ms/step
>589, dr[0.240,0.689], df[0.151,0.215], g[2.603,0.087]
1/1 [=====] - 0s 71ms/step
>590, dr[0.292,0.563], df[0.434,0.051], g[2.752,0.087]
1/1 [=====] - 0s 67ms/step
>591, dr[0.248,0.949], df[0.514,0.205], g[2.785,0.061]
1/1 [=====] - 0s 75ms/step
>592, dr[0.271,1.205], df[0.472,0.236], g[2.318,0.080]
1/1 [=====] - 0s 67ms/step
>593, dr[0.448,0.391], df[0.462,0.547], g[2.513,0.056]
1/1 [=====] - 0s 76ms/step
>594, dr[0.387,0.664], df[0.432,0.100], g[2.578,0.107]
1/1 [=====] - 0s 68ms/step
>595, dr[0.414,1.229], df[0.192,0.123], g[2.757,0.050]
1/1 [=====] - 0s 70ms/step
>596, dr[0.212,0.909], df[0.281,0.081], g[2.957,0.051]
1/1 [=====] - 0s 70ms/step
>597, dr[0.116,0.695], df[0.273,0.053], g[3.387,0.051]
1/1 [=====] - 0s 73ms/step
>598, dr[0.793,0.926], df[0.162,0.053], g[2.094,0.109]
1/1 [=====] - 0s 67ms/step
>599, dr[0.087,0.401], df[0.358,0.067], g[2.386,0.109]
1/1 [=====] - 0s 76ms/step
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>600, dr[0.217,1.186], df[0.368,0.159], g[3.441,0.051]
1/1 [=====] - 0s 69ms/step
>601, dr[0.666,0.717], df[0.101,0.162], g[2.605,0.065]
1/1 [=====] - 0s 70ms/step
>602, dr[0.316,0.644], df[0.317,0.116], g[2.404,0.121]
1/1 [=====] - 0s 66ms/step
>603, dr[0.098,0.914], df[0.181,0.049], g[2.593,0.087]
1/1 [=====] - 0s 72ms/step
>604, dr[0.126,0.903], df[0.146,0.101], g[3.012,0.099]
1/1 [=====] - 0s 67ms/step
>605, dr[0.224,0.737], df[0.072,0.056], g[2.479,0.094]
1/1 [=====] - 0s 73ms/step
>606, dr[0.167,0.727], df[0.104,0.083], g[2.452,0.052]
1/1 [=====] - 0s 73ms/step
>607, dr[0.110,0.729], df[0.193,0.047], g[2.813,0.083]
1/1 [=====] - 0s 74ms/step
>608, dr[0.140,0.938], df[0.145,0.087], g[2.641,0.144]
1/1 [=====] - 0s 70ms/step
>609, dr[0.230,0.753], df[0.221,0.078], g[2.708,0.220]
1/1 [=====] - 0s 76ms/step
>610, dr[0.167,1.093], df[0.112,0.200], g[2.556,0.053]
1/1 [=====] - 0s 73ms/step
>611, dr[0.316,1.304], df[0.176,0.082], g[2.495,0.112]
1/1 [=====] - 0s 78ms/step
>612, dr[0.126,0.806], df[0.118,0.065], g[2.703,0.148]
1/1 [=====] - 0s 81ms/step
>613, dr[0.168,0.884], df[0.149,0.195], g[2.320,0.141]
1/1 [=====] - 0s 74ms/step
>614, dr[0.072,0.923], df[0.103,0.165], g[2.485,0.139]
1/1 [=====] - 0s 74ms/step
>615, dr[0.168,0.645], df[0.104,0.070], g[1.621,0.215]
1/1 [=====] - 0s 72ms/step
>616, dr[0.058,1.187], df[0.066,0.226], g[0.845,0.190]
1/1 [=====] - 0s 77ms/step
>617, dr[0.085,0.702], df[0.321,0.099], g[0.449,0.165]
1/1 [=====] - 0s 72ms/step
>618, dr[0.188,0.951], df[1.276,0.064], g[0.898,0.063]
1/1 [=====] - 0s 76ms/step
>619, dr[0.821,0.590], df[0.572,0.028], g[1.178,0.088]
1/1 [=====] - 0s 75ms/step
>620, dr[2.003,1.146], df[1.577,0.260], g[2.670,0.069]
1/1 [=====] - 0s 72ms/step
>621, dr[1.596,0.486], df[0.292,0.133], g[4.230,0.131]
1/1 [=====] - 0s 75ms/step
>622, dr[0.401,0.712], df[0.255,0.119], g[3.902,0.069]
1/1 [=====] - 0s 75ms/step
>623, dr[0.226,0.467], df[0.171,0.060], g[3.374,0.103]
1/1 [=====] - 0s 66ms/step
>624, dr[0.221,0.762], df[0.317,0.098], g[2.568,0.094]
1/1 [=====] - 0s 78ms/step
>625, dr[0.576,0.547], df[0.515,0.145], g[2.303,0.097]
1/1 [=====] - 0s 68ms/step
>626, dr[0.348,0.659], df[0.484,0.275], g[2.517,0.077]
1/1 [=====] - 0s 76ms/step
>627, dr[0.391,0.874], df[0.114,0.223], g[2.480,0.066]
1/1 [=====] - 0s 82ms/step
>628, dr[0.564,1.232], df[0.357,0.180], g[1.722,0.094]
1/1 [=====] - 0s 78ms/step
>629, dr[0.121,0.608], df[0.411,0.045], g[2.167,0.089]
1/1 [=====] - 0s 71ms/step
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>630, dr[0.144,0.410], df[0.292,0.075], g[2.157,0.108]
1/1 [=====] - 0s 77ms/step
>631, dr[0.157,0.465], df[0.221,0.070], g[2.451,0.091]
1/1 [=====] - 0s 69ms/step
>632, dr[0.505,0.712], df[0.455,0.063], g[2.151,0.047]
1/1 [=====] - 0s 78ms/step
>633, dr[0.572,1.437], df[0.352,0.250], g[2.613,0.097]
1/1 [=====] - 0s 71ms/step
>634, dr[0.314,0.859], df[0.089,0.492], g[2.018,0.065]
1/1 [=====] - 0s 71ms/step
>635, dr[0.329,1.014], df[0.105,0.114], g[1.137,0.055]
1/1 [=====] - 0s 70ms/step
>636, dr[0.071,0.529], df[0.281,0.328], g[1.077,0.071]
1/1 [=====] - 0s 76ms/step
>637, dr[0.135,1.022], df[0.083,0.287], g[1.764,0.053]
1/1 [=====] - 0s 73ms/step
>638, dr[0.197,1.003], df[0.232,0.110], g[1.061,0.060]
1/1 [=====] - 0s 65ms/step
>639, dr[0.123,0.580], df[0.123,0.167], g[1.094,0.070]
1/1 [=====] - 0s 70ms/step
>640, dr[0.084,0.875], df[0.108,0.084], g[1.126,0.107]
1/1 [=====] - 0s 66ms/step
>641, dr[0.276,0.692], df[0.099,0.115], g[0.774,0.068]
1/1 [=====] - 0s 66ms/step
>642, dr[0.150,0.949], df[0.239,0.048], g[0.679,0.074]
1/1 [=====] - 0s 76ms/step
>643, dr[0.252,0.917], df[0.247,0.116], g[0.589,0.104]
1/1 [=====] - 0s 70ms/step
>644, dr[0.141,0.709], df[0.218,0.086], g[0.955,0.213]
1/1 [=====] - 0s 68ms/step
>645, dr[0.149,0.718], df[0.404,0.043], g[0.976,0.084]
1/1 [=====] - 0s 73ms/step
>646, dr[0.422,0.679], df[0.296,0.070], g[0.854,0.238]
1/1 [=====] - 0s 66ms/step
>647, dr[0.363,1.281], df[0.414,0.047], g[0.890,0.158]
1/1 [=====] - 0s 75ms/step
>648, dr[0.154,0.595], df[0.371,0.126], g[1.282,0.101]
1/1 [=====] - 0s 66ms/step
>649, dr[0.358,0.859], df[0.360,0.106], g[2.182,0.098]
1/1 [=====] - 0s 74ms/step
>650, dr[0.739,0.559], df[0.684,0.022], g[1.184,0.216]
1/1 [=====] - 0s 66ms/step
>651, dr[0.785,0.829], df[0.643,0.052], g[1.124,0.182]
1/1 [=====] - 0s 73ms/step
>652, dr[0.400,0.478], df[0.531,0.086], g[1.118,0.072]
1/1 [=====] - 0s 75ms/step
>653, dr[0.441,0.738], df[0.400,0.077], g[1.185,0.047]
1/1 [=====] - 0s 72ms/step
>654, dr[0.408,0.726], df[0.327,0.153], g[0.954,0.102]
1/1 [=====] - 0s 68ms/step
>655, dr[0.316,1.485], df[0.455,0.081], g[1.219,0.145]
1/1 [=====] - 0s 73ms/step
>656, dr[0.232,0.728], df[0.340,0.045], g[1.431,0.111]
1/1 [=====] - 0s 68ms/step
>657, dr[0.674,0.996], df[0.322,0.043], g[1.590,0.104]
1/1 [=====] - 0s 70ms/step
>658, dr[0.422,0.664], df[0.467,0.056], g[1.444,0.116]
1/1 [=====] - 0s 69ms/step
>659, dr[0.192,0.552], df[0.498,0.117], g[1.684,0.197]
1/1 [=====] - 0s 71ms/step
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>660, dr[0.372,0.452], df[0.228,0.165], g[2.090,0.255]
1/1 [=====] - 0s 80ms/step
>661, dr[0.435,1.500], df[0.220,0.178], g[1.313,0.100]
1/1 [=====] - 0s 75ms/step
>662, dr[0.394,1.243], df[0.460,0.026], g[1.277,0.062]
1/1 [=====] - 0s 74ms/step
>663, dr[0.246,0.521], df[0.472,0.128], g[1.423,0.082]
1/1 [=====] - 0s 70ms/step
>664, dr[0.356,1.053], df[0.127,0.033], g[1.149,0.160]
1/1 [=====] - 0s 79ms/step
>665, dr[0.181,0.810], df[0.167,0.167], g[0.831,0.243]
1/1 [=====] - 0s 74ms/step
>666, dr[0.360,0.450], df[0.564,0.062], g[0.933,0.204]
1/1 [=====] - 0s 83ms/step
>667, dr[0.335,0.553], df[0.329,0.039], g[1.378,0.199]
1/1 [=====] - 0s 69ms/step
>668, dr[0.906,0.813], df[0.617,0.209], g[1.387,0.209]
1/1 [=====] - 0s 72ms/step
>669, dr[0.449,0.631], df[0.438,0.108], g[1.391,0.154]
1/1 [=====] - 0s 66ms/step
>670, dr[0.200,0.555], df[0.448,0.048], g[2.172,0.207]
1/1 [=====] - 0s 81ms/step
>671, dr[0.425,0.819], df[0.570,0.315], g[2.511,0.079]
1/1 [=====] - 0s 65ms/step
>672, dr[0.533,0.706], df[0.193,0.087], g[1.863,0.182]
1/1 [=====] - 0s 76ms/step
>673, dr[0.340,0.318], df[0.412,0.146], g[2.436,0.211]
1/1 [=====] - 0s 67ms/step
>674, dr[0.288,1.156], df[0.216,0.119], g[2.524,0.191]
1/1 [=====] - 0s 70ms/step
>675, dr[0.455,1.074], df[0.276,0.071], g[2.396,0.094]
1/1 [=====] - 0s 67ms/step
>676, dr[0.390,0.642], df[0.528,0.046], g[2.488,0.169]
1/1 [=====] - 0s 72ms/step
>677, dr[0.205,0.477], df[0.232,0.038], g[2.222,0.241]
1/1 [=====] - 0s 67ms/step
>678, dr[0.221,0.958], df[0.417,0.095], g[2.858,0.167]
1/1 [=====] - 0s 66ms/step
>679, dr[0.483,0.666], df[0.196,0.128], g[2.094,0.162]
1/1 [=====] - 0s 67ms/step
>680, dr[0.189,0.964], df[0.467,0.041], g[1.872,0.171]
1/1 [=====] - 0s 66ms/step
>681, dr[0.111,1.072], df[0.171,0.086], g[2.598,0.123]
1/1 [=====] - 0s 75ms/step
>682, dr[0.274,0.532], df[0.199,0.042], g[2.615,0.159]
1/1 [=====] - 0s 69ms/step
>683, dr[0.678,0.762], df[0.424,0.039], g[2.638,0.087]
1/1 [=====] - 0s 69ms/step
>684, dr[0.306,0.829], df[0.415,0.020], g[2.404,0.141]
1/1 [=====] - 0s 65ms/step
>685, dr[0.718,0.245], df[0.826,0.156], g[2.218,0.118]
1/1 [=====] - 0s 69ms/step
>686, dr[0.348,0.736], df[0.472,0.047], g[2.379,0.062]
1/1 [=====] - 0s 67ms/step
>687, dr[0.195,0.723], df[0.133,0.052], g[2.392,0.118]
1/1 [=====] - 0s 73ms/step
>688, dr[0.309,0.994], df[0.274,0.084], g[2.479,0.066]
1/1 [=====] - 0s 67ms/step
>689, dr[0.370,0.848], df[0.476,0.022], g[2.634,0.078]
1/1 [=====] - 0s 73ms/step
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>690, dr[0.289,0.600], df[0.316,0.029], g[2.561,0.135]
1/1 [=====] - 0s 64ms/step
>691, dr[0.334,0.867], df[0.324,0.039], g[2.637,0.124]
1/1 [=====] - 0s 76ms/step
>692, dr[0.291,0.957], df[0.277,0.067], g[2.876,0.141]
1/1 [=====] - 0s 67ms/step
>693, dr[0.347,0.555], df[0.201,0.043], g[2.660,0.044]
1/1 [=====] - 0s 72ms/step
>694, dr[0.179,1.341], df[0.327,0.157], g[2.979,0.090]
1/1 [=====] - 0s 68ms/step
>695, dr[0.156,0.454], df[0.525,0.067], g[3.329,0.139]
1/1 [=====] - 0s 75ms/step
>696, dr[0.569,0.554], df[0.155,0.041], g[2.716,0.254]
1/1 [=====] - 0s 65ms/step
>697, dr[0.238,0.814], df[0.260,0.012], g[3.346,0.178]
1/1 [=====] - 0s 76ms/step
>698, dr[0.131,0.470], df[0.477,0.149], g[3.430,0.158]
1/1 [=====] - 0s 70ms/step
>699, dr[0.287,1.103], df[0.201,0.069], g[2.960,0.087]
1/1 [=====] - 0s 72ms/step
>700, dr[0.317,1.054], df[0.338,0.030], g[2.777,0.214]
1/1 [=====] - 0s 66ms/step
>701, dr[0.398,1.130], df[0.368,0.249], g[2.350,0.210]
1/1 [=====] - 0s 72ms/step
>702, dr[0.205,0.615], df[0.560,0.178], g[2.681,0.114]
1/1 [=====] - 0s 68ms/step
>703, dr[0.420,0.583], df[0.355,0.045], g[2.614,0.039]
1/1 [=====] - 0s 72ms/step
>704, dr[0.352,0.803], df[0.187,0.015], g[1.677,0.053]
1/1 [=====] - 0s 65ms/step
>705, dr[0.288,1.266], df[0.455,0.026], g[1.870,0.118]
1/1 [=====] - 0s 74ms/step
>706, dr[0.419,0.442], df[0.350,0.102], g[2.019,0.142]
1/1 [=====] - 0s 66ms/step
>707, dr[0.406,0.766], df[0.376,0.098], g[2.401,0.127]
1/1 [=====] - 0s 67ms/step
>708, dr[0.457,0.304], df[0.546,0.040], g[2.146,0.046]
1/1 [=====] - 0s 68ms/step
>709, dr[0.666,0.895], df[0.382,0.037], g[2.461,0.101]
1/1 [=====] - 0s 70ms/step
>710, dr[0.460,0.776], df[0.287,0.122], g[1.823,0.077]
1/1 [=====] - 0s 66ms/step
>711, dr[0.399,0.521], df[0.481,0.073], g[2.294,0.070]
1/1 [=====] - 0s 66ms/step
>712, dr[0.272,0.978], df[0.331,0.152], g[2.874,0.135]
1/1 [=====] - 0s 68ms/step
>713, dr[0.389,1.172], df[0.280,0.151], g[2.400,0.104]
1/1 [=====] - 0s 68ms/step
>714, dr[0.500,0.775], df[0.197,0.073], g[2.324,0.209]
1/1 [=====] - 0s 66ms/step
>715, dr[0.381,0.591], df[0.253,0.140], g[1.857,0.154]
1/1 [=====] - 0s 67ms/step
>716, dr[0.546,0.989], df[0.570,0.095], g[1.829,0.104]
1/1 [=====] - 0s 67ms/step
>717, dr[0.167,0.914], df[0.274,0.136], g[2.500,0.132]
1/1 [=====] - 0s 68ms/step
>718, dr[0.426,1.485], df[0.255,0.036], g[2.006,0.098]
1/1 [=====] - 0s 68ms/step
>719, dr[0.229,0.320], df[0.611,0.086], g[2.900,0.185]
1/1 [=====] - 0s 67ms/step
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>720, dr[0.554,0.689], df[0.165,0.087], g[2.645,0.155]
1/1 [=====] - 0s 77ms/step
>721, dr[0.327,0.708], df[0.204,0.072], g[2.360,0.119]
1/1 [=====] - 0s 66ms/step
>722, dr[0.423,1.017], df[0.296,0.043], g[2.073,0.147]
1/1 [=====] - 0s 73ms/step
>723, dr[0.187,1.049], df[0.268,0.088], g[2.121,0.072]
1/1 [=====] - 0s 69ms/step
>724, dr[0.293,0.493], df[0.558,0.125], g[3.107,0.169]
1/1 [=====] - 0s 78ms/step
>725, dr[0.407,0.710], df[0.265,0.096], g[2.458,0.143]
1/1 [=====] - 0s 66ms/step
>726, dr[0.262,0.721], df[0.415,0.077], g[2.390,0.119]
1/1 [=====] - 0s 72ms/step
>727, dr[0.269,0.692], df[0.340,0.080], g[2.705,0.115]
1/1 [=====] - 0s 67ms/step
>728, dr[0.531,1.101], df[0.235,0.144], g[1.863,0.165]
1/1 [=====] - 0s 74ms/step
>729, dr[0.268,0.499], df[0.168,0.101], g[1.745,0.096]
1/1 [=====] - 0s 66ms/step
>730, dr[0.226,0.519], df[0.549,0.059], g[2.171,0.102]
1/1 [=====] - 0s 71ms/step
>731, dr[0.190,0.462], df[0.174,0.118], g[2.480,0.083]
1/1 [=====] - 0s 69ms/step
>732, dr[0.505,1.022], df[0.474,0.147], g[1.923,0.106]
1/1 [=====] - 0s 70ms/step
>733, dr[0.226,0.488], df[0.317,0.123], g[2.678,0.092]
1/1 [=====] - 0s 73ms/step
>734, dr[0.696,0.547], df[0.627,0.325], g[2.716,0.062]
1/1 [=====] - 0s 69ms/step
>735, dr[0.332,0.541], df[0.374,0.032], g[2.852,0.023]
1/1 [=====] - 0s 69ms/step
>736, dr[0.530,1.469], df[0.544,0.037], g[2.146,0.146]
1/1 [=====] - 0s 67ms/step
>737, dr[0.193,0.433], df[0.164,0.107], g[2.604,0.114]
1/1 [=====] - 0s 72ms/step
>738, dr[0.538,0.625], df[0.424,0.263], g[2.761,0.083]
1/1 [=====] - 0s 70ms/step
>739, dr[0.484,0.675], df[0.680,0.052], g[2.999,0.107]
1/1 [=====] - 0s 74ms/step
>740, dr[0.548,0.833], df[0.263,0.056], g[2.677,0.108]
1/1 [=====] - 0s 66ms/step
>741, dr[0.537,0.358], df[0.671,0.083], g[2.386,0.136]
1/1 [=====] - 0s 80ms/step
>742, dr[0.321,0.343], df[0.377,0.161], g[2.611,0.130]
1/1 [=====] - 0s 69ms/step
>743, dr[0.433,0.667], df[0.666,0.121], g[2.897,0.086]
1/1 [=====] - 0s 85ms/step
>744, dr[0.448,0.655], df[0.434,0.227], g[3.745,0.145]
1/1 [=====] - 0s 83ms/step
>745, dr[0.777,0.565], df[0.225,0.127], g[2.734,0.118]
1/1 [=====] - 0s 87ms/step
>746, dr[0.394,0.563], df[0.270,0.079], g[1.546,0.152]
1/1 [=====] - 0s 80ms/step
>747, dr[0.144,0.927], df[0.340,0.076], g[1.557,0.071]
1/1 [=====] - 0s 72ms/step
>748, dr[0.262,0.979], df[0.550,0.066], g[2.691,0.080]
1/1 [=====] - 0s 76ms/step
>749, dr[0.705,0.589], df[0.506,0.115], g[2.124,0.105]
1/1 [=====] - 0s 77ms/step
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>750, dr[0.157,0.583], df[0.388,0.044], g[2.796,0.146]
1/1 [=====] - 0s 76ms/step
>751, dr[0.826,0.648], df[0.218,0.071], g[1.570,0.185]
1/1 [=====] - 0s 70ms/step
>752, dr[0.357,0.864], df[0.473,0.223], g[1.811,0.141]
1/1 [=====] - 0s 110ms/step
>753, dr[0.253,0.491], df[0.524,0.216], g[2.900,0.136]
1/1 [=====] - 0s 92ms/step
>754, dr[0.278,0.672], df[0.140,0.068], g[2.823,0.059]
1/1 [=====] - 0s 78ms/step
>755, dr[0.637,0.606], df[0.382,0.100], g[2.034,0.090]
1/1 [=====] - 0s 72ms/step
>756, dr[0.452,0.771], df[0.953,0.105], g[2.019,0.042]
1/1 [=====] - 0s 77ms/step
>757, dr[0.232,1.205], df[0.647,0.131], g[2.714,0.083]
1/1 [=====] - 0s 85ms/step
>758, dr[0.483,1.042], df[0.391,0.153], g[2.235,0.067]
1/1 [=====] - 0s 76ms/step
>759, dr[0.562,0.510], df[0.409,0.061], g[1.503,0.066]
1/1 [=====] - 0s 82ms/step
>760, dr[0.335,0.769], df[0.641,0.214], g[1.603,0.059]
1/1 [=====] - 0s 89ms/step
>761, dr[0.151,0.999], df[0.342,0.028], g[3.060,0.067]
1/1 [=====] - 0s 79ms/step
>762, dr[0.407,0.945], df[0.183,0.143], g[2.291,0.066]
1/1 [=====] - 0s 77ms/step
>763, dr[0.703,0.736], df[0.793,0.061], g[2.147,0.069]
1/1 [=====] - 0s 72ms/step
>764, dr[0.268,0.783], df[0.283,0.056], g[2.581,0.079]
1/1 [=====] - 0s 81ms/step
>765, dr[0.538,0.758], df[0.373,0.097], g[2.821,0.165]
1/1 [=====] - 0s 73ms/step
>766, dr[0.543,0.637], df[0.481,0.082], g[2.484,0.047]
1/1 [=====] - 0s 89ms/step
>767, dr[0.387,0.698], df[0.294,0.056], g[2.183,0.042]
1/1 [=====] - 0s 74ms/step
>768, dr[0.513,0.559], df[0.425,0.033], g[1.898,0.026]
1/1 [=====] - 0s 81ms/step
>769, dr[0.134,1.229], df[0.386,0.059], g[1.873,0.156]
1/1 [=====] - 0s 76ms/step
>770, dr[0.491,0.771], df[0.670,0.187], g[2.322,0.061]
1/1 [=====] - 0s 80ms/step
>771, dr[0.339,0.665], df[0.248,0.020], g[2.189,0.075]
1/1 [=====] - 0s 81ms/step
>772, dr[0.343,1.057], df[0.319,0.042], g[1.839,0.054]
1/1 [=====] - 0s 76ms/step
>773, dr[0.507,1.000], df[0.790,0.047], g[2.760,0.123]
1/1 [=====] - 0s 84ms/step
>774, dr[0.519,0.617], df[0.326,0.262], g[2.895,0.063]
1/1 [=====] - 0s 79ms/step
>775, dr[0.824,0.904], df[0.507,0.081], g[2.211,0.092]
1/1 [=====] - 0s 81ms/step
>776, dr[0.382,0.822], df[0.155,0.089], g[1.769,0.154]
1/1 [=====] - 0s 75ms/step
>777, dr[0.289,1.087], df[0.262,0.072], g[1.850,0.149]
1/1 [=====] - 0s 74ms/step
>778, dr[0.280,1.267], df[0.269,0.118], g[2.216,0.101]
1/1 [=====] - 0s 86ms/step
>779, dr[0.181,0.762], df[0.308,0.052], g[1.672,0.076]
1/1 [=====] - 0s 83ms/step
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>780, dr[0.181,0.772], df[0.477,0.190], g[1.648,0.048]
1/1 [=====] - 0s 80ms/step
>781, dr[0.309,0.947], df[0.303,0.066], g[2.086,0.038]
1/1 [=====] - 0s 80ms/step
>782, dr[0.641,1.256], df[0.720,0.040], g[1.736,0.060]
1/1 [=====] - 0s 76ms/step
>783, dr[0.434,1.171], df[0.452,0.025], g[2.730,0.096]
1/1 [=====] - 0s 81ms/step
>784, dr[0.822,0.476], df[0.270,0.035], g[2.124,0.072]
1/1 [=====] - 0s 76ms/step
>785, dr[0.294,0.301], df[0.785,0.020], g[2.586,0.164]
1/1 [=====] - 0s 81ms/step
>786, dr[0.509,0.640], df[0.269,0.126], g[2.397,0.086]
1/1 [=====] - 0s 81ms/step
>787, dr[0.493,0.706], df[0.979,0.078], g[2.630,0.071]
1/1 [=====] - 0s 79ms/step
>788, dr[0.790,1.524], df[0.482,0.083], g[2.629,0.104]
1/1 [=====] - 0s 87ms/step
>789, dr[0.758,0.646], df[0.234,0.053], g[2.035,0.073]
1/1 [=====] - 0s 80ms/step
>790, dr[0.182,0.964], df[0.435,0.093], g[2.072,0.125]
1/1 [=====] - 0s 81ms/step
>791, dr[0.269,0.520], df[0.296,0.072], g[1.895,0.050]
1/1 [=====] - 0s 80ms/step
>792, dr[0.682,0.953], df[0.707,0.083], g[1.551,0.058]
1/1 [=====] - 0s 88ms/step
>793, dr[0.124,0.752], df[0.625,0.094], g[2.152,0.149]
1/1 [=====] - 0s 81ms/step
>794, dr[0.717,0.731], df[0.289,0.077], g[1.498,0.075]
1/1 [=====] - 0s 79ms/step
>795, dr[0.412,0.894], df[0.793,0.039], g[2.154,0.083]
1/1 [=====] - 0s 87ms/step
>796, dr[0.429,0.429], df[0.200,0.068], g[2.369,0.084]
1/1 [=====] - 0s 87ms/step
>797, dr[0.578,0.871], df[0.537,0.179], g[1.693,0.192]
1/1 [=====] - 0s 80ms/step
>798, dr[0.242,0.433], df[0.183,0.171], g[1.657,0.047]
1/1 [=====] - 0s 90ms/step
>799, dr[0.245,0.938], df[0.469,0.068], g[1.948,0.097]
1/1 [=====] - 0s 80ms/step
>800, dr[0.538,0.515], df[0.308,0.165], g[1.836,0.060]
1/1 [=====] - 0s 82ms/step
>801, dr[0.211,0.622], df[0.774,0.117], g[2.545,0.051]
1/1 [=====] - 0s 83ms/step
>802, dr[0.406,0.862], df[0.282,0.063], g[2.859,0.117]
1/1 [=====] - 0s 79ms/step
>803, dr[0.495,0.602], df[0.245,0.136], g[1.621,0.085]
1/1 [=====] - 0s 81ms/step
>804, dr[0.897,1.131], df[0.442,0.081], g[1.403,0.144]
1/1 [=====] - 0s 89ms/step
>805, dr[0.235,0.705], df[0.509,0.066], g[1.878,0.057]
1/1 [=====] - 0s 88ms/step
>806, dr[0.592,0.553], df[0.434,0.115], g[2.220,0.038]
1/1 [=====] - 0s 79ms/step
>807, dr[0.164,0.559], df[0.310,0.102], g[2.340,0.042]
1/1 [=====] - 0s 75ms/step
>808, dr[0.541,0.578], df[0.696,0.033], g[2.268,0.036]
1/1 [=====] - 0s 77ms/step
>809, dr[0.566,0.834], df[0.387,0.037], g[1.898,0.050]
1/1 [=====] - 0s 78ms/step
```

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>810, dr[0.407,0.459], df[0.398,0.040], g[1.700,0.074]
1/1 [=====] - 0s 96ms/step
>811, dr[0.114,0.383], df[0.318,0.060], g[1.798,0.093]
1/1 [=====] - 0s 74ms/step
>812, dr[0.812,0.986], df[0.426,0.034], g[1.382,0.095]
1/1 [=====] - 0s 78ms/step
>813, dr[0.426,0.580], df[1.087,0.315], g[1.921,0.116]
1/1 [=====] - 0s 84ms/step
>814, dr[0.735,0.865], df[0.292,0.135], g[1.529,0.044]
1/1 [=====] - 0s 76ms/step
>815, dr[0.202,1.856], df[0.385,0.076], g[1.619,0.146]
1/1 [=====] - 0s 77ms/step
>816, dr[0.261,0.808], df[0.635,0.037], g[2.198,0.123]
1/1 [=====] - 0s 89ms/step
>817, dr[0.561,0.510], df[0.542,0.034], g[2.283,0.182]
1/1 [=====] - 0s 75ms/step
>818, dr[0.915,0.913], df[0.530,0.126], g[2.550,0.240]
1/1 [=====] - 0s 81ms/step
>819, dr[0.995,0.890], df[0.712,0.057], g[2.104,0.124]
1/1 [=====] - 0s 75ms/step
>820, dr[0.280,0.742], df[0.556,0.143], g[2.767,0.093]
1/1 [=====] - 0s 79ms/step
>821, dr[0.592,1.034], df[0.381,0.042], g[2.435,0.068]
1/1 [=====] - 0s 76ms/step
>822, dr[0.637,0.639], df[0.673,0.090], g[2.286,0.056]
1/1 [=====] - 0s 76ms/step
>823, dr[0.502,0.500], df[0.861,0.114], g[1.565,0.045]
1/1 [=====] - 0s 84ms/step
>824, dr[0.479,0.975], df[1.052,0.300], g[2.385,0.100]
1/1 [=====] - 0s 81ms/step
>825, dr[0.702,0.813], df[0.096,0.037], g[1.374,0.063]
1/1 [=====] - 0s 80ms/step
>826, dr[0.221,0.567], df[0.363,0.044], g[1.016,0.061]
1/1 [=====] - 0s 80ms/step
>827, dr[0.107,0.933], df[0.232,0.085], g[1.502,0.103]
1/1 [=====] - 0s 81ms/step
>828, dr[0.433,0.541], df[0.811,0.128], g[1.570,0.077]
1/1 [=====] - 0s 76ms/step
>829, dr[0.363,0.966], df[0.347,0.037], g[1.658,0.082]
1/1 [=====] - 0s 74ms/step
>830, dr[0.630,0.617], df[0.824,0.109], g[1.753,0.074]
1/1 [=====] - 0s 81ms/step
>831, dr[0.845,1.229], df[0.687,0.040], g[2.522,0.116]
1/1 [=====] - 0s 81ms/step
>832, dr[0.706,0.803], df[0.340,0.082], g[1.617,0.077]
1/1 [=====] - 0s 81ms/step
>833, dr[0.463,0.740], df[0.342,0.035], g[1.786,0.095]
1/1 [=====] - 0s 82ms/step
>834, dr[0.329,0.463], df[0.333,0.074], g[1.304,0.088]
1/1 [=====] - 0s 79ms/step
>835, dr[0.471,0.794], df[0.346,0.077], g[1.322,0.033]
1/1 [=====] - 0s 81ms/step
>836, dr[0.631,0.686], df[0.870,0.268], g[1.342,0.015]
1/1 [=====] - 0s 76ms/step
>837, dr[0.294,0.671], df[0.576,0.043], g[1.740,0.051]
1/1 [=====] - 0s 86ms/step
>838, dr[0.542,1.041], df[0.328,0.037], g[1.668,0.186]
1/1 [=====] - 0s 79ms/step
>839, dr[0.531,0.994], df[0.479,0.146], g[1.361,0.184]
1/1 [=====] - 0s 81ms/step
```

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>840, dr[0.474,1.344], df[0.527,0.239], g[1.481,0.157]
1/1 [=====] - 0s 81ms/step
>841, dr[0.327,0.823], df[0.377,0.201], g[1.649,0.091]
1/1 [=====] - 0s 77ms/step
>842, dr[0.669,0.517], df[0.406,0.052], g[1.436,0.104]
1/1 [=====] - 0s 82ms/step
>843, dr[0.331,0.361], df[0.479,0.097], g[1.133,0.087]
1/1 [=====] - 0s 76ms/step
>844, dr[0.446,1.088], df[0.625,0.026], g[1.746,0.103]
1/1 [=====] - 0s 78ms/step
>845, dr[0.738,0.608], df[0.500,0.214], g[2.067,0.119]
1/1 [=====] - 0s 88ms/step
>846, dr[0.564,0.774], df[0.545,0.092], g[2.138,0.112]
1/1 [=====] - 0s 75ms/step
>847, dr[0.365,0.624], df[0.584,0.092], g[1.291,0.138]
1/1 [=====] - 0s 84ms/step
>848, dr[0.588,0.351], df[0.465,0.065], g[1.974,0.128]
1/1 [=====] - 0s 82ms/step
>849, dr[0.319,1.329], df[0.276,0.027], g[1.955,0.064]
1/1 [=====] - 0s 78ms/step
>850, dr[0.401,1.150], df[0.349,0.092], g[1.653,0.102]
1/1 [=====] - 0s 93ms/step
>851, dr[0.627,0.975], df[0.842,0.123], g[1.621,0.100]
1/1 [=====] - 0s 84ms/step
>852, dr[0.437,0.604], df[0.487,0.181], g[1.779,0.118]
1/1 [=====] - 0s 83ms/step
>853, dr[0.442,0.535], df[0.373,0.099], g[1.943,0.129]
1/1 [=====] - 0s 90ms/step
>854, dr[0.296,0.545], df[0.250,0.165], g[1.553,0.077]
1/1 [=====] - 0s 86ms/step
>855, dr[0.394,1.139], df[0.464,0.078], g[1.214,0.068]
1/1 [=====] - 0s 91ms/step
>856, dr[0.507,0.785], df[0.606,0.097], g[1.766,0.107]
1/1 [=====] - 0s 83ms/step
>857, dr[0.312,0.383], df[0.506,0.145], g[2.414,0.051]
1/1 [=====] - 0s 88ms/step
>858, dr[0.622,0.716], df[0.429,0.173], g[2.348,0.168]
1/1 [=====] - 0s 97ms/step
>859, dr[0.384,0.639], df[0.403,0.060], g[1.817,0.198]
1/1 [=====] - 0s 86ms/step
>860, dr[0.505,0.397], df[0.525,0.051], g[1.966,0.073]
1/1 [=====] - 0s 86ms/step
>861, dr[0.394,0.995], df[0.491,0.124], g[1.602,0.038]
1/1 [=====] - 0s 85ms/step
>862, dr[0.722,0.693], df[1.123,0.034], g[2.455,0.056]
1/1 [=====] - 0s 84ms/step
>863, dr[0.359,0.587], df[0.604,0.217], g[2.653,0.039]
1/1 [=====] - 0s 88ms/step
>864, dr[1.172,0.975], df[0.442,0.100], g[1.707,0.044]
1/1 [=====] - 0s 85ms/step
>865, dr[0.631,0.532], df[0.671,0.081], g[1.369,0.077]
1/1 [=====] - 0s 84ms/step
>866, dr[0.395,0.588], df[0.450,0.124], g[0.967,0.089]
1/1 [=====] - 0s 90ms/step
>867, dr[0.253,1.066], df[0.700,0.147], g[1.608,0.064]
1/1 [=====] - 0s 92ms/step
>868, dr[0.364,0.480], df[0.315,0.111], g[1.580,0.166]
1/1 [=====] - 0s 81ms/step
>869, dr[0.422,0.507], df[0.286,0.075], g[1.377,0.234]
1/1 [=====] - 0s 80ms/step
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>870, dr[0.641,0.665], df[1.027,0.105], g[1.547,0.086]
1/1 [=====] - 0s 86ms/step
>871, dr[0.551,1.373], df[0.442,0.290], g[1.688,0.073]
1/1 [=====] - 0s 82ms/step
>872, dr[0.467,0.724], df[0.463,0.317], g[1.773,0.141]
1/1 [=====] - 0s 86ms/step
>873, dr[0.615,0.924], df[0.523,0.081], g[1.829,0.070]
1/1 [=====] - 0s 78ms/step
>874, dr[0.423,0.562], df[0.597,0.078], g[2.950,0.102]
1/1 [=====] - 0s 74ms/step
>875, dr[1.067,0.781], df[0.247,0.055], g[1.650,0.135]
1/1 [=====] - 0s 82ms/step
>876, dr[0.479,0.472], df[0.728,0.026], g[1.373,0.100]
1/1 [=====] - 0s 79ms/step
>877, dr[0.288,0.493], df[0.389,0.068], g[1.871,0.156]
1/1 [=====] - 0s 84ms/step
>878, dr[0.523,0.481], df[0.205,0.060], g[1.742,0.099]
1/1 [=====] - 0s 76ms/step
>879, dr[0.410,1.649], df[0.720,0.200], g[1.974,0.056]
1/1 [=====] - 0s 82ms/step
>880, dr[0.567,1.157], df[0.499,0.055], g[1.717,0.036]
1/1 [=====] - 0s 83ms/step
>881, dr[0.337,0.687], df[0.440,0.051], g[1.279,0.068]
1/1 [=====] - 0s 76ms/step
>882, dr[0.469,0.554], df[0.396,0.042], g[1.489,0.094]
1/1 [=====] - 0s 72ms/step
>883, dr[0.291,0.720], df[0.286,0.024], g[1.278,0.145]
1/1 [=====] - 0s 71ms/step
>884, dr[0.628,0.701], df[0.362,0.100], g[1.058,0.064]
1/1 [=====] - 0s 76ms/step
>885, dr[0.416,0.478], df[0.928,0.300], g[1.207,0.056]
1/1 [=====] - 0s 72ms/step
>886, dr[0.239,0.769], df[0.551,0.304], g[1.973,0.056]
1/1 [=====] - 0s 77ms/step
>887, dr[0.807,0.520], df[0.718,0.128], g[1.500,0.066]
1/1 [=====] - 0s 71ms/step
>888, dr[0.600,1.268], df[0.550,0.079], g[1.272,0.081]
1/1 [=====] - 0s 78ms/step
>889, dr[0.600,0.853], df[0.630,0.113], g[1.752,0.106]
1/1 [=====] - 0s 73ms/step
>890, dr[0.569,0.995], df[0.297,0.121], g[1.484,0.081]
1/1 [=====] - 0s 74ms/step
>891, dr[0.455,0.507], df[0.490,0.056], g[1.866,0.038]
1/1 [=====] - 0s 69ms/step
>892, dr[0.460,0.904], df[0.823,0.111], g[1.525,0.069]
1/1 [=====] - 0s 77ms/step
>893, dr[0.385,0.291], df[0.481,0.214], g[2.375,0.055]
1/1 [=====] - 0s 75ms/step
>894, dr[0.957,1.073], df[0.448,0.041], g[1.990,0.034]
1/1 [=====] - 0s 70ms/step
>895, dr[0.435,0.512], df[0.570,0.090], g[1.305,0.070]
1/1 [=====] - 0s 76ms/step
>896, dr[0.375,0.664], df[0.732,0.031], g[1.486,0.055]
1/1 [=====] - 0s 71ms/step
>897, dr[0.567,1.182], df[0.469,0.187], g[1.367,0.043]
1/1 [=====] - 0s 75ms/step
>898, dr[0.588,0.468], df[0.596,0.038], g[1.486,0.046]
1/1 [=====] - 0s 72ms/step
>899, dr[0.380,0.339], df[0.693,0.049], g[1.196,0.070]
1/1 [=====] - 0s 77ms/step
```

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>900, dr[0.448,0.977], df[0.193,0.204], g[1.021,0.099]
1/1 [=====] - 0s 68ms/step
>901, dr[0.189,1.145], df[0.338,0.137], g[1.340,0.154]
1/1 [=====] - 0s 75ms/step
>902, dr[0.630,0.507], df[0.762,0.099], g[1.006,0.157]
1/1 [=====] - 0s 77ms/step
>903, dr[0.294,0.413], df[0.711,0.056], g[1.773,0.268]
1/1 [=====] - 0s 81ms/step
>904, dr[1.201,0.375], df[0.504,0.070], g[1.266,0.086]
1/1 [=====] - 0s 90ms/step
>905, dr[0.596,0.627], df[0.802,0.170], g[1.383,0.094]
1/1 [=====] - 0s 72ms/step
>906, dr[0.250,0.728], df[0.378,0.062], g[1.932,0.069]
1/1 [=====] - 0s 77ms/step
>907, dr[0.836,0.843], df[0.382,0.158], g[1.160,0.123]
1/1 [=====] - 0s 75ms/step
>908, dr[0.336,0.734], df[0.893,0.082], g[1.824,0.065]
1/1 [=====] - 0s 78ms/step
>909, dr[0.430,0.496], df[0.389,0.040], g[1.228,0.169]
1/1 [=====] - 0s 76ms/step
>910, dr[0.689,0.891], df[0.251,0.066], g[1.414,0.044]
1/1 [=====] - 0s 76ms/step
>911, dr[0.323,0.937], df[0.486,0.037], g[1.107,0.160]
1/1 [=====] - 0s 71ms/step
>912, dr[0.344,0.461], df[0.668,0.202], g[1.391,0.141]
1/1 [=====] - 0s 81ms/step
>913, dr[0.459,1.014], df[0.392,0.095], g[1.219,0.102]
1/1 [=====] - 0s 68ms/step
>914, dr[0.702,0.738], df[1.191,0.160], g[1.664,0.054]
1/1 [=====] - 0s 68ms/step
>915, dr[0.476,0.676], df[0.192,0.103], g[1.625,0.149]
1/1 [=====] - 0s 69ms/step
>916, dr[0.434,0.739], df[0.339,0.174], g[1.216,0.118]
1/1 [=====] - 0s 69ms/step
>917, dr[0.378,0.672], df[0.900,0.055], g[1.802,0.185]
1/1 [=====] - 0s 78ms/step
>918, dr[1.081,1.062], df[0.383,0.147], g[1.606,0.081]
1/1 [=====] - 0s 71ms/step
>919, dr[0.522,0.634], df[0.713,0.031], g[1.586,0.132]
1/1 [=====] - 0s 75ms/step
>920, dr[0.473,1.046], df[0.468,0.049], g[1.702,0.089]
1/1 [=====] - 0s 68ms/step
>921, dr[0.294,0.529], df[0.477,0.075], g[1.764,0.110]
1/1 [=====] - 0s 76ms/step
>922, dr[0.594,0.815], df[0.572,0.047], g[1.872,0.176]
1/1 [=====] - 0s 71ms/step
>923, dr[0.654,0.705], df[0.527,0.116], g[1.922,0.081]
1/1 [=====] - 0s 76ms/step
>924, dr[0.345,0.663], df[0.573,0.447], g[1.860,0.080]
1/1 [=====] - 0s 70ms/step
>925, dr[0.594,0.541], df[0.393,0.045], g[1.355,0.115]
1/1 [=====] - 0s 76ms/step
>926, dr[0.477,1.182], df[0.762,0.070], g[1.469,0.062]
1/1 [=====] - 0s 76ms/step
>927, dr[0.360,0.835], df[0.673,0.092], g[2.264,0.169]
1/1 [=====] - 0s 81ms/step
>928, dr[0.744,0.452], df[0.451,0.061], g[1.999,0.059]
1/1 [=====] - 0s 75ms/step
>929, dr[0.604,0.957], df[0.721,0.088], g[1.820,0.092]
1/1 [=====] - 0s 72ms/step
```

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>930, dr[0.544,0.435], df[0.536,0.026], g[2.038,0.146]
1/1 [=====] - 0s 75ms/step
>931, dr[0.524,1.188], df[0.542,0.089], g[1.224,0.053]
1/1 [=====] - 0s 75ms/step
>932, dr[0.522,1.394], df[0.663,0.111], g[1.652,0.097]
1/1 [=====] - 0s 77ms/step
>933, dr[0.640,0.816], df[0.750,0.156], g[2.214,0.087]
1/1 [=====] - 0s 74ms/step
>934, dr[0.676,0.596], df[0.469,0.194], g[2.009,0.148]
1/1 [=====] - 0s 80ms/step
>935, dr[0.532,0.454], df[0.510,0.170], g[1.818,0.153]
1/1 [=====] - 0s 77ms/step
>936, dr[0.680,0.647], df[0.556,0.034], g[1.533,0.203]
1/1 [=====] - 0s 83ms/step
>937, dr[0.641,0.492], df[0.690,0.146], g[1.746,0.112]
4/4 [=====] - 0s 49ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 77ms/step
>938, dr[0.570,1.452], df[0.395,0.204], g[1.888,0.162]
1/1 [=====] - 0s 69ms/step
>939, dr[0.545,0.602], df[0.540,0.107], g[1.595,0.118]
1/1 [=====] - 0s 77ms/step
>940, dr[0.589,0.437], df[0.516,0.107], g[1.523,0.109]
1/1 [=====] - 0s 72ms/step
>941, dr[0.500,0.855], df[0.764,0.090], g[2.072,0.090]
1/1 [=====] - 0s 81ms/step
>942, dr[0.590,0.847], df[0.294,0.142], g[1.670,0.232]
1/1 [=====] - 0s 81ms/step
>943, dr[0.587,0.564], df[0.936,0.120], g[2.199,0.162]
1/1 [=====] - 0s 74ms/step
>944, dr[0.344,0.566], df[0.627,0.173], g[2.202,0.129]
1/1 [=====] - 0s 77ms/step
>945, dr[0.514,0.737], df[0.565,0.156], g[2.537,0.060]
1/1 [=====] - 0s 74ms/step
>946, dr[0.698,1.834], df[0.537,0.403], g[2.172,0.119]
1/1 [=====] - 0s 88ms/step
>947, dr[0.643,1.309], df[0.754,0.196], g[1.924,0.261]
1/1 [=====] - 0s 89ms/step
>948, dr[0.617,0.727], df[0.590,0.150], g[1.565,0.203]
1/1 [=====] - 0s 80ms/step
>949, dr[0.517,0.425], df[0.423,0.071], g[1.786,0.142]
1/1 [=====] - 0s 82ms/step
>950, dr[0.678,0.782], df[0.473,0.159], g[1.522,0.192]
1/1 [=====] - 0s 73ms/step
>951, dr[0.371,0.322], df[0.688,0.118], g[1.673,0.166]
1/1 [=====] - 0s 86ms/step
>952, dr[0.563,0.467], df[0.552,0.379], g[2.083,0.212]
1/1 [=====] - 0s 84ms/step
>953, dr[0.553,0.521], df[0.678,0.174], g[1.537,0.134]
1/1 [=====] - 0s 82ms/step
>954, dr[0.965,0.831], df[0.643,0.239], g[1.106,0.171]
1/1 [=====] - 0s 76ms/step
>955, dr[0.518,1.146], df[0.525,0.277], g[1.466,0.383]
1/1 [=====] - 0s 73ms/step
>956, dr[0.426,0.882], df[0.441,0.089], g[1.825,0.063]
1/1 [=====] - 0s 78ms/step
>957, dr[0.755,0.734], df[0.708,0.213], g[1.402,0.139]
1/1 [=====] - 0s 92ms/step
```

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>958, dr[0.535,0.599], df[0.519,0.106], g[1.506,0.213]
1/1 [=====] - 0s 81ms/step
>959, dr[0.246,1.051], df[0.534,0.060], g[1.993,0.255]
1/1 [=====] - 0s 83ms/step
>960, dr[0.774,1.046], df[0.440,0.135], g[1.473,0.297]
1/1 [=====] - 0s 84ms/step
>961, dr[0.673,1.228], df[1.026,0.277], g[1.472,0.075]
1/1 [=====] - 0s 77ms/step
>962, dr[0.718,0.423], df[0.797,0.180], g[1.548,0.068]
1/1 [=====] - 0s 79ms/step
>963, dr[0.612,0.473], df[0.553,0.171], g[1.771,0.136]
1/1 [=====] - 0s 72ms/step
>964, dr[0.720,0.583], df[0.640,0.098], g[1.593,0.093]
1/1 [=====] - 0s 79ms/step
>965, dr[0.764,0.834], df[0.813,0.121], g[1.552,0.412]
1/1 [=====] - 0s 79ms/step
>966, dr[0.796,0.665], df[0.839,0.142], g[2.015,0.106]
1/1 [=====] - 0s 87ms/step
>967, dr[0.705,0.647], df[0.820,0.157], g[2.396,0.081]
1/1 [=====] - 0s 84ms/step
>968, dr[1.114,0.784], df[0.907,0.163], g[2.174,0.153]
1/1 [=====] - 0s 75ms/step
>969, dr[1.182,0.411], df[0.652,0.193], g[1.639,0.125]
1/1 [=====] - 0s 76ms/step
>970, dr[0.562,0.522], df[1.002,0.123], g[1.394,0.087]
1/1 [=====] - 0s 74ms/step
>971, dr[0.865,0.484], df[0.733,0.026], g[1.301,0.125]
1/1 [=====] - 0s 78ms/step
>972, dr[0.643,0.716], df[1.132,0.137], g[1.566,0.074]
1/1 [=====] - 0s 79ms/step
>973, dr[0.718,1.184], df[0.894,0.171], g[1.525,0.100]
1/1 [=====] - 0s 81ms/step
>974, dr[0.531,1.080], df[0.475,0.023], g[1.896,0.069]
1/1 [=====] - 0s 78ms/step
>975, dr[0.525,0.469], df[0.770,0.137], g[1.565,0.089]
1/1 [=====] - 0s 79ms/step
>976, dr[0.743,0.812], df[0.477,0.116], g[1.422,0.155]
1/1 [=====] - 0s 78ms/step
>977, dr[0.427,0.926], df[0.572,0.196], g[2.121,0.149]
1/1 [=====] - 0s 85ms/step
>978, dr[0.319,0.912], df[0.313,0.219], g[1.830,0.254]
1/1 [=====] - 0s 88ms/step
>979, dr[0.830,0.601], df[1.145,0.252], g[1.759,0.070]
1/1 [=====] - 0s 76ms/step
>980, dr[0.665,0.224], df[0.626,0.164], g[2.052,0.116]
1/1 [=====] - 0s 78ms/step
>981, dr[0.458,0.669], df[0.851,0.082], g[2.309,0.133]
1/1 [=====] - 0s 83ms/step
>982, dr[0.665,0.942], df[0.295,0.244], g[2.506,0.076]
1/1 [=====] - 0s 74ms/step
>983, dr[1.338,1.041], df[0.889,0.167], g[1.558,0.162]
1/1 [=====] - 0s 78ms/step
>984, dr[0.366,1.094], df[0.874,0.195], g[2.481,0.137]
1/1 [=====] - 0s 81ms/step
>985, dr[0.928,1.064], df[0.348,0.063], g[2.049,0.179]
1/1 [=====] - 0s 86ms/step
>986, dr[0.596,1.405], df[0.525,0.136], g[1.820,0.133]
1/1 [=====] - 0s 80ms/step
>987, dr[0.386,0.950], df[0.660,0.205], g[2.078,0.111]
1/1 [=====] - 0s 88ms/step
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>988, dr[0.537,0.721], df[0.668,0.051], g[2.203,0.163]
1/1 [=====] - 0s 75ms/step
>989, dr[0.602,0.373], df[0.731,0.171], g[2.413,0.166]
1/1 [=====] - 0s 92ms/step
>990, dr[0.867,0.876], df[0.495,0.055], g[1.454,0.078]
1/1 [=====] - 0s 76ms/step
>991, dr[0.566,0.664], df[1.001,0.256], g[1.881,0.094]
1/1 [=====] - 0s 81ms/step
>992, dr[0.662,0.662], df[0.524,0.151], g[1.861,0.137]
1/1 [=====] - 0s 114ms/step
>993, dr[0.500,0.467], df[0.446,0.096], g[1.452,0.086]
1/1 [=====] - 0s 87ms/step
>994, dr[0.331,0.634], df[0.578,0.057], g[1.685,0.133]
1/1 [=====] - 0s 84ms/step
>995, dr[0.413,0.893], df[0.596,0.172], g[2.101,0.138]
1/1 [=====] - 0s 73ms/step
>996, dr[0.416,0.544], df[0.496,0.195], g[2.228,0.150]
1/1 [=====] - 0s 75ms/step
>997, dr[0.874,0.866], df[0.764,0.036], g[1.999,0.141]
1/1 [=====] - 0s 76ms/step
>998, dr[0.807,0.748], df[0.769,0.096], g[1.738,0.063]
1/1 [=====] - 0s 81ms/step
>999, dr[0.739,0.364], df[0.706,0.178], g[1.616,0.087]
1/1 [=====] - 0s 85ms/step
>1000, dr[0.452,0.963], df[0.648,0.068], g[2.294,0.150]
1/1 [=====] - 0s 95ms/step
>1001, dr[0.915,0.663], df[0.420,0.194], g[1.945,0.136]
1/1 [=====] - 0s 97ms/step
>1002, dr[0.283,0.629], df[0.484,0.041], g[1.682,0.225]
1/1 [=====] - 0s 96ms/step
>1003, dr[0.566,0.572], df[0.603,0.212], g[1.853,0.131]
1/1 [=====] - 0s 89ms/step
>1004, dr[0.526,1.050], df[0.512,0.118], g[1.719,0.068]
1/1 [=====] - 0s 105ms/step
>1005, dr[0.703,0.795], df[0.684,0.165], g[1.742,0.175]
1/1 [=====] - 0s 97ms/step
>1006, dr[0.714,0.989], df[0.589,0.150], g[1.626,0.134]
1/1 [=====] - 0s 95ms/step
>1007, dr[0.418,0.720], df[0.796,0.341], g[2.187,0.092]
1/1 [=====] - 0s 79ms/step
>1008, dr[0.870,0.964], df[0.296,0.229], g[1.928,0.122]
1/1 [=====] - 0s 83ms/step
>1009, dr[0.639,0.638], df[0.566,0.105], g[1.371,0.180]
1/1 [=====] - 0s 123ms/step
>1010, dr[0.530,0.929], df[0.868,0.087], g[1.653,0.077]
1/1 [=====] - 0s 72ms/step
>1011, dr[0.430,0.807], df[0.523,0.190], g[2.030,0.085]
1/1 [=====] - 0s 72ms/step
>1012, dr[0.451,0.792], df[0.435,0.072], g[2.558,0.270]
1/1 [=====] - 0s 72ms/step
>1013, dr[0.514,0.260], df[0.445,0.085], g[2.338,0.132]
1/1 [=====] - 0s 76ms/step
>1014, dr[0.731,1.081], df[0.665,0.234], g[2.342,0.156]
1/1 [=====] - 0s 154ms/step
>1015, dr[0.638,0.576], df[0.976,0.121], g[2.209,0.130]
1/1 [=====] - 0s 158ms/step
>1016, dr[0.786,0.765], df[0.662,0.115], g[2.307,0.194]
1/1 [=====] - 0s 138ms/step
>1017, dr[0.820,1.124], df[0.437,0.129], g[1.841,0.141]
1/1 [=====] - 0s 140ms/step
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>1018, dr[0.350,0.731], df[0.657,0.101], g[2.186,0.088]
1/1 [=====] - 0s 155ms/step
>1019, dr[0.798,0.923], df[0.612,0.139], g[1.916,0.135]
1/1 [=====] - 0s 109ms/step
>1020, dr[0.558,0.882], df[0.642,0.174], g[2.083,0.082]
1/1 [=====] - 0s 113ms/step
>1021, dr[1.048,1.022], df[0.632,0.088], g[1.892,0.073]
1/1 [=====] - 0s 124ms/step
>1022, dr[0.488,0.566], df[0.795,0.161], g[1.578,0.080]
1/1 [=====] - 0s 125ms/step
>1023, dr[0.532,0.566], df[0.579,0.160], g[2.014,0.144]
1/1 [=====] - 0s 125ms/step
>1024, dr[0.761,0.882], df[0.479,0.105], g[1.922,0.134]
1/1 [=====] - 0s 83ms/step
>1025, dr[0.559,0.172], df[0.477,0.033], g[1.749,0.134]
1/1 [=====] - 0s 125ms/step
>1026, dr[0.819,0.994], df[0.907,0.333], g[1.609,0.153]
1/1 [=====] - 0s 93ms/step
>1027, dr[0.509,0.612], df[0.699,0.255], g[1.540,0.095]
1/1 [=====] - 0s 85ms/step
>1028, dr[0.829,0.625], df[0.741,0.093], g[1.516,0.237]
1/1 [=====] - 0s 97ms/step
>1029, dr[0.422,1.051], df[0.645,0.131], g[1.838,0.098]
1/1 [=====] - 0s 89ms/step
>1030, dr[0.543,0.753], df[0.549,0.357], g[1.899,0.176]
1/1 [=====] - 0s 89ms/step
>1031, dr[0.293,0.792], df[0.447,0.225], g[1.742,0.229]
1/1 [=====] - 0s 83ms/step
>1032, dr[0.677,0.842], df[0.752,0.255], g[2.001,0.140]
1/1 [=====] - 0s 85ms/step
>1033, dr[0.584,1.113], df[0.376,0.133], g[2.007,0.091]
1/1 [=====] - 0s 83ms/step
>1034, dr[0.412,0.879], df[0.419,0.111], g[1.898,0.152]
1/1 [=====] - 0s 72ms/step
>1035, dr[0.530,0.698], df[0.418,0.161], g[1.665,0.198]
1/1 [=====] - 0s 71ms/step
>1036, dr[0.728,0.888], df[0.621,0.177], g[1.394,0.110]
1/1 [=====] - 0s 79ms/step
>1037, dr[0.360,0.731], df[0.972,0.090], g[1.921,0.184]
1/1 [=====] - 0s 74ms/step
>1038, dr[0.972,0.798], df[0.854,0.252], g[1.991,0.172]
1/1 [=====] - 0s 74ms/step
>1039, dr[0.629,1.005], df[0.453,0.043], g[1.738,0.169]
1/1 [=====] - 0s 84ms/step
>1040, dr[0.576,0.311], df[0.739,0.091], g[1.910,0.096]
1/1 [=====] - 0s 79ms/step
>1041, dr[0.785,1.051], df[0.644,0.035], g[1.606,0.058]
1/1 [=====] - 0s 85ms/step
>1042, dr[0.542,0.515], df[0.790,0.083], g[1.884,0.172]
1/1 [=====] - 0s 75ms/step
>1043, dr[0.395,0.700], df[0.411,0.194], g[1.732,0.148]
1/1 [=====] - 0s 98ms/step
>1044, dr[0.794,0.725], df[0.640,0.091], g[2.328,0.154]
1/1 [=====] - 0s 80ms/step
>1045, dr[0.774,0.552], df[0.673,0.050], g[1.837,0.137]
1/1 [=====] - 0s 79ms/step
>1046, dr[0.522,1.530], df[0.495,0.202], g[1.748,0.056]
1/1 [=====] - 0s 80ms/step
>1047, dr[0.431,0.928], df[0.481,0.150], g[1.471,0.084]
1/1 [=====] - 0s 71ms/step
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>1048, dr[0.545,0.747], df[0.801,0.142], g[2.003,0.143]
1/1 [=====] - 0s 74ms/step
>1049, dr[0.738,0.850], df[0.356,0.263], g[1.641,0.109]
1/1 [=====] - 0s 100ms/step
>1050, dr[0.470,1.368], df[0.737,0.044], g[1.631,0.108]
1/1 [=====] - 0s 89ms/step
>1051, dr[0.760,0.392], df[0.695,0.087], g[1.721,0.084]
1/1 [=====] - 0s 78ms/step
>1052, dr[0.615,0.571], df[0.653,0.285], g[1.884,0.079]
1/1 [=====] - 0s 82ms/step
>1053, dr[0.298,0.406], df[0.377,0.164], g[1.619,0.108]
1/1 [=====] - 0s 80ms/step
>1054, dr[0.732,0.360], df[0.438,0.098], g[1.736,0.074]
1/1 [=====] - 0s 80ms/step
>1055, dr[0.565,0.672], df[0.437,0.079], g[1.597,0.064]
1/1 [=====] - 0s 113ms/step
>1056, dr[0.559,0.344], df[0.823,0.243], g[1.695,0.102]
1/1 [=====] - 0s 85ms/step
>1057, dr[0.389,0.640], df[0.418,0.052], g[1.911,0.112]
1/1 [=====] - 0s 90ms/step
>1058, dr[0.792,0.992], df[0.496,0.109], g[1.518,0.115]
1/1 [=====] - 0s 97ms/step
>1059, dr[0.528,0.697], df[0.932,0.141], g[1.527,0.094]
1/1 [=====] - 0s 105ms/step
>1060, dr[0.506,0.885], df[0.552,0.187], g[1.880,0.241]
1/1 [=====] - 0s 75ms/step
>1061, dr[0.632,0.818], df[0.508,0.046], g[1.721,0.234]
1/1 [=====] - 0s 74ms/step
>1062, dr[0.608,1.070], df[0.561,0.077], g[1.230,0.137]
1/1 [=====] - 0s 94ms/step
>1063, dr[0.469,0.493], df[0.424,0.086], g[1.133,0.055]
1/1 [=====] - 0s 85ms/step
>1064, dr[0.352,0.530], df[0.614,0.204], g[1.618,0.127]
1/1 [=====] - 0s 89ms/step
>1065, dr[0.581,0.949], df[0.720,0.149], g[2.185,0.063]
1/1 [=====] - 0s 106ms/step
>1066, dr[0.722,0.444], df[0.464,0.295], g[2.035,0.120]
1/1 [=====] - 0s 77ms/step
>1067, dr[0.725,0.405], df[0.685,0.054], g[1.995,0.088]
1/1 [=====] - 0s 79ms/step
>1068, dr[0.637,0.604], df[0.589,0.096], g[1.560,0.098]
1/1 [=====] - 0s 82ms/step
>1069, dr[0.588,0.221], df[0.599,0.219], g[1.757,0.119]
1/1 [=====] - 0s 77ms/step
>1070, dr[0.438,0.799], df[0.542,0.113], g[1.939,0.096]
1/1 [=====] - 0s 83ms/step
>1071, dr[0.557,0.595], df[0.721,0.126], g[1.675,0.120]
1/1 [=====] - 0s 80ms/step
>1072, dr[0.661,0.965], df[0.672,0.089], g[2.009,0.131]
1/1 [=====] - 0s 85ms/step
>1073, dr[0.503,0.985], df[0.532,0.139], g[2.031,0.084]
1/1 [=====] - 0s 96ms/step
>1074, dr[0.646,0.618], df[0.454,0.114], g[1.782,0.142]
1/1 [=====] - 0s 127ms/step
>1075, dr[0.462,0.966], df[0.594,0.186], g[1.783,0.098]
1/1 [=====] - 0s 102ms/step
>1076, dr[0.521,0.868], df[0.510,0.264], g[1.735,0.153]
1/1 [=====] - 0s 114ms/step
>1077, dr[0.459,1.011], df[0.859,0.227], g[2.184,0.254]
1/1 [=====] - 0s 95ms/step
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>1078, dr[0.566,1.020], df[0.405,0.090], g[2.080,0.177]
1/1 [=====] - 0s 112ms/step
>1079, dr[0.919,0.607], df[0.425,0.298], g[1.510,0.234]
1/1 [=====] - 0s 112ms/step
>1080, dr[0.485,0.819], df[0.690,0.168], g[1.647,0.078]
1/1 [=====] - 0s 94ms/step
>1081, dr[0.485,0.762], df[0.844,0.133], g[1.935,0.231]
1/1 [=====] - 0s 105ms/step
>1082, dr[0.951,0.890], df[0.492,0.137], g[1.625,0.130]
1/1 [=====] - 0s 97ms/step
>1083, dr[0.503,0.873], df[0.895,0.169], g[1.819,0.090]
1/1 [=====] - 0s 77ms/step
>1084, dr[0.781,0.671], df[0.699,0.138], g[1.766,0.121]
1/1 [=====] - 0s 78ms/step
>1085, dr[0.471,0.870], df[0.895,0.082], g[1.997,0.165]
1/1 [=====] - 0s 79ms/step
>1086, dr[0.774,0.582], df[0.425,0.058], g[1.734,0.084]
1/1 [=====] - 0s 83ms/step
>1087, dr[0.559,0.429], df[0.637,0.202], g[1.439,0.129]
1/1 [=====] - 0s 115ms/step
>1088, dr[0.611,0.526], df[0.725,0.314], g[1.560,0.140]
1/1 [=====] - 0s 116ms/step
>1089, dr[0.627,0.509], df[0.714,0.241], g[1.574,0.231]
1/1 [=====] - 0s 164ms/step
>1090, dr[0.385,1.057], df[0.496,0.191], g[1.771,0.114]
1/1 [=====] - 0s 316ms/step
>1091, dr[0.649,1.274], df[0.503,0.106], g[1.518,0.117]
1/1 [=====] - 0s 151ms/step
>1092, dr[0.493,0.775], df[0.793,0.053], g[1.466,0.178]
1/1 [=====] - 0s 116ms/step
>1093, dr[0.600,0.538], df[0.741,0.113], g[1.564,0.244]
1/1 [=====] - 0s 137ms/step
>1094, dr[0.456,0.766], df[0.511,0.169], g[1.634,0.190]
1/1 [=====] - 0s 100ms/step
>1095, dr[0.694,0.476], df[0.530,0.087], g[1.833,0.110]
1/1 [=====] - 0s 147ms/step
>1096, dr[0.720,0.666], df[0.413,0.130], g[1.402,0.205]
1/1 [=====] - 0s 126ms/step
>1097, dr[0.502,0.686], df[0.663,0.142], g[1.518,0.144]
1/1 [=====] - 0s 145ms/step
>1098, dr[0.405,0.876], df[0.754,0.115], g[1.849,0.160]
1/1 [=====] - 0s 129ms/step
>1099, dr[0.738,0.851], df[0.554,0.100], g[2.027,0.138]
1/1 [=====] - 0s 134ms/step
>1100, dr[0.831,0.687], df[0.535,0.185], g[2.056,0.047]
1/1 [=====] - 0s 159ms/step
>1101, dr[0.492,0.731], df[0.514,0.109], g[1.797,0.072]
1/1 [=====] - 0s 110ms/step
>1102, dr[0.571,0.572], df[0.418,0.109], g[1.581,0.245]
1/1 [=====] - 0s 110ms/step
>1103, dr[0.323,0.533], df[0.435,0.255], g[1.973,0.056]
1/1 [=====] - 0s 133ms/step
>1104, dr[0.536,0.366], df[0.468,0.100], g[1.934,0.128]
1/1 [=====] - 0s 110ms/step
>1105, dr[0.513,0.919], df[0.626,0.114], g[1.989,0.087]
1/1 [=====] - 0s 115ms/step
>1106, dr[0.712,0.430], df[0.695,0.218], g[1.576,0.074]
1/1 [=====] - 0s 87ms/step
>1107, dr[0.504,0.610], df[0.410,0.049], g[1.610,0.141]
1/1 [=====] - 0s 83ms/step
```

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>1108, dr[0.559,0.531], df[0.828,0.094], g[1.381,0.106]
1/1 [=====] - 0s 93ms/step
>1109, dr[0.690,0.260], df[0.846,0.130], g[1.905,0.126]
1/1 [=====] - 0s 115ms/step
>1110, dr[0.617,1.129], df[0.808,0.189], g[1.831,0.163]
1/1 [=====] - 0s 83ms/step
>1111, dr[0.531,0.379], df[0.517,0.087], g[1.773,0.179]
1/1 [=====] - 0s 108ms/step
>1112, dr[0.723,1.075], df[0.469,0.255], g[1.666,0.134]
1/1 [=====] - 0s 93ms/step
>1113, dr[0.524,1.193], df[0.577,0.106], g[1.556,0.114]
1/1 [=====] - 0s 104ms/step
>1114, dr[0.317,0.593], df[0.501,0.132], g[1.974,0.116]
1/1 [=====] - 0s 96ms/step
>1115, dr[0.394,1.028], df[0.439,0.089], g[2.159,0.145]
1/1 [=====] - 0s 110ms/step
>1116, dr[1.144,1.016], df[0.555,0.116], g[1.615,0.216]
1/1 [=====] - 0s 113ms/step
>1117, dr[0.709,0.790], df[0.862,0.097], g[1.449,0.149]
1/1 [=====] - 0s 114ms/step
>1118, dr[0.599,0.948], df[0.754,0.266], g[1.865,0.235]
1/1 [=====] - 0s 122ms/step
>1119, dr[0.746,0.894], df[0.797,0.067], g[2.093,0.098]
1/1 [=====] - 0s 85ms/step
>1120, dr[0.853,0.854], df[0.644,0.108], g[1.827,0.066]
1/1 [=====] - 0s 171ms/step
>1121, dr[0.559,0.530], df[0.414,0.083], g[1.828,0.103]
1/1 [=====] - 0s 115ms/step
>1122, dr[0.473,0.828], df[0.684,0.165], g[1.831,0.109]
1/1 [=====] - 0s 98ms/step
>1123, dr[0.548,0.579], df[0.330,0.062], g[1.725,0.183]
1/1 [=====] - 0s 115ms/step
>1124, dr[0.757,0.541], df[0.757,0.121], g[1.794,0.123]
1/1 [=====] - 0s 95ms/step
>1125, dr[0.549,0.731], df[0.598,0.094], g[1.906,0.082]
1/1 [=====] - 0s 309ms/step
>1126, dr[0.264,0.832], df[0.708,0.085], g[1.787,0.152]
1/1 [=====] - 0s 106ms/step
>1127, dr[1.146,0.932], df[0.660,0.199], g[1.790,0.118]
1/1 [=====] - 0s 104ms/step
>1128, dr[0.305,0.614], df[0.514,0.063], g[1.634,0.123]
1/1 [=====] - 0s 122ms/step
>1129, dr[0.470,0.682], df[0.501,0.074], g[1.498,0.154]
1/1 [=====] - 0s 96ms/step
>1130, dr[0.415,0.610], df[0.451,0.051], g[1.843,0.185]
1/1 [=====] - 0s 80ms/step
>1131, dr[0.698,1.430], df[0.582,0.086], g[1.630,0.093]
1/1 [=====] - 0s 97ms/step
>1132, dr[0.500,0.533], df[0.709,0.123], g[1.822,0.137]
1/1 [=====] - 0s 84ms/step
>1133, dr[0.496,1.111], df[0.608,0.090], g[2.096,0.152]
1/1 [=====] - 0s 83ms/step
>1134, dr[0.491,1.042], df[0.609,0.169], g[1.929,0.157]
1/1 [=====] - 0s 91ms/step
>1135, dr[0.595,0.687], df[0.622,0.190], g[1.900,0.185]
1/1 [=====] - 0s 81ms/step
>1136, dr[0.516,0.485], df[0.385,0.071], g[1.797,0.273]
1/1 [=====] - 0s 87ms/step
>1137, dr[0.515,0.679], df[0.648,0.219], g[1.780,0.108]
1/1 [=====] - 0s 100ms/step
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>1138, dr[0.434,0.549], df[0.530,0.230], g[1.755,0.143]
1/1 [=====] - 0s 84ms/step
>1139, dr[0.856,1.141], df[0.567,0.100], g[1.482,0.119]
1/1 [=====] - 0s 77ms/step
>1140, dr[0.524,0.829], df[0.742,0.162], g[1.525,0.126]
1/1 [=====] - 0s 80ms/step
>1141, dr[0.559,0.431], df[0.546,0.076], g[1.590,0.102]
1/1 [=====] - 0s 85ms/step
>1142, dr[0.613,0.783], df[0.558,0.110], g[1.534,0.200]
1/1 [=====] - 0s 85ms/step
>1143, dr[0.541,0.473], df[0.473,0.086], g[1.894,0.106]
1/1 [=====] - 0s 86ms/step
>1144, dr[0.691,1.764], df[0.773,0.100], g[1.616,0.166]
1/1 [=====] - 0s 94ms/step
>1145, dr[0.411,0.582], df[0.333,0.111], g[1.784,0.108]
1/1 [=====] - 0s 110ms/step
>1146, dr[0.670,1.019], df[0.575,0.145], g[1.861,0.152]
1/1 [=====] - 0s 85ms/step
>1147, dr[0.370,0.631], df[0.480,0.078], g[1.801,0.224]
1/1 [=====] - 0s 95ms/step
>1148, dr[0.395,0.980], df[0.533,0.086], g[1.991,0.106]
1/1 [=====] - 0s 79ms/step
>1149, dr[0.563,0.770], df[0.414,0.086], g[1.928,0.089]
1/1 [=====] - 0s 82ms/step
>1150, dr[0.691,0.378], df[0.780,0.167], g[1.743,0.074]
1/1 [=====] - 0s 75ms/step
>1151, dr[0.419,0.843], df[0.767,0.319], g[2.020,0.151]
1/1 [=====] - 0s 79ms/step
>1152, dr[0.978,1.167], df[0.574,0.091], g[1.929,0.130]
1/1 [=====] - 0s 77ms/step
>1153, dr[0.487,0.288], df[0.965,0.233], g[2.225,0.093]
1/1 [=====] - 0s 76ms/step
>1154, dr[0.869,0.825], df[0.518,0.089], g[2.007,0.072]
1/1 [=====] - 0s 78ms/step
>1155, dr[0.768,0.628], df[0.785,0.206], g[1.603,0.138]
1/1 [=====] - 0s 77ms/step
>1156, dr[0.668,0.542], df[0.577,0.046], g[1.578,0.077]
1/1 [=====] - 0s 83ms/step
>1157, dr[0.341,0.898], df[0.380,0.130], g[1.828,0.072]
1/1 [=====] - 0s 72ms/step
>1158, dr[0.732,0.960], df[0.765,0.169], g[1.549,0.151]
1/1 [=====] - 0s 82ms/step
>1159, dr[0.688,0.750], df[0.559,0.302], g[1.645,0.127]
1/1 [=====] - 0s 85ms/step
>1160, dr[0.270,0.575], df[0.512,0.100], g[1.866,0.163]
1/1 [=====] - 0s 82ms/step
>1161, dr[0.648,1.090], df[0.457,0.170], g[2.115,0.108]
1/1 [=====] - 0s 74ms/step
>1162, dr[0.546,0.634], df[0.700,0.330], g[1.980,0.146]
1/1 [=====] - 0s 76ms/step
>1163, dr[0.661,0.835], df[0.432,0.183], g[1.507,0.103]
1/1 [=====] - 0s 70ms/step
>1164, dr[0.480,0.520], df[0.502,0.188], g[1.736,0.098]
1/1 [=====] - 0s 70ms/step
>1165, dr[0.412,0.835], df[0.877,0.078], g[2.228,0.096]
1/1 [=====] - 0s 75ms/step
>1166, dr[0.700,0.586], df[0.302,0.058], g[2.240,0.075]
1/1 [=====] - 0s 70ms/step
>1167, dr[0.698,0.877], df[0.716,0.128], g[1.646,0.031]
1/1 [=====] - 0s 77ms/step
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>1168, dr[0.485,0.263], df[0.492,0.187], g[2.041,0.099]
1/1 [=====] - 0s 75ms/step
>1169, dr[0.911,0.458], df[0.603,0.086], g[1.564,0.128]
1/1 [=====] - 0s 79ms/step
>1170, dr[0.468,1.541], df[0.750,0.065], g[1.598,0.074]
1/1 [=====] - 0s 73ms/step
>1171, dr[0.484,1.188], df[0.676,0.159], g[2.351,0.084]
1/1 [=====] - 0s 73ms/step
>1172, dr[0.386,0.805], df[0.228,0.131], g[1.993,0.122]
1/1 [=====] - 0s 72ms/step
>1173, dr[0.702,0.849], df[0.654,0.239], g[2.320,0.118]
1/1 [=====] - 0s 71ms/step
>1174, dr[0.621,0.314], df[0.461,0.058], g[2.130,0.203]
1/1 [=====] - 0s 75ms/step
>1175, dr[0.505,0.514], df[0.613,0.159], g[1.664,0.191]
1/1 [=====] - 0s 72ms/step
>1176, dr[0.574,0.531], df[0.531,0.356], g[1.162,0.178]
1/1 [=====] - 0s 82ms/step
>1177, dr[0.390,0.668], df[0.729,0.104], g[1.801,0.076]
1/1 [=====] - 0s 77ms/step
>1178, dr[0.518,0.502], df[0.535,0.182], g[2.065,0.064]
1/1 [=====] - 0s 80ms/step
>1179, dr[0.736,0.543], df[0.404,0.112], g[1.853,0.079]
1/1 [=====] - 0s 75ms/step
>1180, dr[0.496,0.212], df[0.596,0.076], g[1.830,0.139]
1/1 [=====] - 0s 74ms/step
>1181, dr[0.432,0.762], df[0.409,0.040], g[1.532,0.073]
1/1 [=====] - 0s 78ms/step
>1182, dr[0.766,0.544], df[0.771,0.057], g[1.371,0.129]
1/1 [=====] - 0s 76ms/step
>1183, dr[0.460,1.237], df[0.599,0.170], g[1.787,0.142]
1/1 [=====] - 0s 79ms/step
>1184, dr[0.571,0.795], df[0.512,0.177], g[2.068,0.106]
1/1 [=====] - 0s 74ms/step
>1185, dr[0.433,0.498], df[0.596,0.104], g[2.171,0.071]
1/1 [=====] - 0s 77ms/step
>1186, dr[0.699,0.742], df[0.537,0.138], g[1.728,0.093]
1/1 [=====] - 0s 70ms/step
>1187, dr[0.377,0.717], df[0.558,0.095], g[2.117,0.205]
1/1 [=====] - 0s 77ms/step
>1188, dr[0.750,0.322], df[0.677,0.306], g[2.437,0.091]
1/1 [=====] - 0s 70ms/step
>1189, dr[0.697,0.472], df[0.469,0.108], g[1.873,0.107]
1/1 [=====] - 0s 76ms/step
>1190, dr[0.542,0.531], df[0.534,0.158], g[1.911,0.142]
1/1 [=====] - 0s 72ms/step
>1191, dr[0.490,0.303], df[0.476,0.054], g[1.955,0.118]
1/1 [=====] - 0s 71ms/step
>1192, dr[0.651,0.959], df[0.720,0.218], g[1.806,0.211]
1/1 [=====] - 0s 72ms/step
>1193, dr[0.398,0.922], df[0.367,0.129], g[1.847,0.140]
1/1 [=====] - 0s 72ms/step
>1194, dr[0.654,1.191], df[0.772,0.157], g[1.817,0.060]
1/1 [=====] - 0s 78ms/step
>1195, dr[0.391,0.536], df[0.609,0.059], g[2.292,0.070]
1/1 [=====] - 0s 74ms/step
>1196, dr[0.659,0.804], df[0.647,0.174], g[1.909,0.053]
1/1 [=====] - 0s 83ms/step
>1197, dr[0.313,0.696], df[0.360,0.110], g[1.754,0.082]
1/1 [=====] - 0s 75ms/step
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>1198, dr[0.737,0.603], df[0.369,0.197], g[1.481,0.068]
1/1 [=====] - 0s 79ms/step
>1199, dr[0.347,1.183], df[0.656,0.092], g[1.527,0.308]
1/1 [=====] - 0s 71ms/step
>1200, dr[0.513,0.968], df[0.697,0.076], g[1.923,0.097]
1/1 [=====] - 0s 78ms/step
>1201, dr[0.635,0.575], df[0.522,0.154], g[2.067,0.097]
1/1 [=====] - 0s 78ms/step
>1202, dr[0.615,1.126], df[0.577,0.135], g[1.934,0.075]
1/1 [=====] - 0s 73ms/step
>1203, dr[0.630,0.544], df[0.646,0.236], g[2.159,0.134]
1/1 [=====] - 0s 74ms/step
>1204, dr[0.616,0.950], df[0.583,0.083], g[1.925,0.117]
1/1 [=====] - 0s 73ms/step
>1205, dr[0.528,1.136], df[0.428,0.094], g[1.604,0.067]
1/1 [=====] - 0s 78ms/step
>1206, dr[0.640,0.616], df[0.862,0.145], g[2.074,0.119]
1/1 [=====] - 0s 72ms/step
>1207, dr[0.667,0.996], df[0.362,0.065], g[1.471,0.096]
1/1 [=====] - 0s 73ms/step
>1208, dr[0.697,1.094], df[0.915,0.107], g[1.588,0.065]
1/1 [=====] - 0s 78ms/step
>1209, dr[0.274,0.505], df[0.524,0.083], g[2.010,0.127]
1/1 [=====] - 0s 76ms/step
>1210, dr[0.302,1.205], df[0.296,0.107], g[1.904,0.115]
1/1 [=====] - 0s 73ms/step
>1211, dr[0.846,0.722], df[0.298,0.099], g[1.444,0.120]
1/1 [=====] - 0s 74ms/step
>1212, dr[0.312,0.421], df[0.649,0.091], g[1.743,0.147]
1/1 [=====] - 0s 82ms/step
>1213, dr[0.482,0.352], df[0.471,0.119], g[1.534,0.106]
1/1 [=====] - 0s 90ms/step
>1214, dr[0.642,0.747], df[0.753,0.059], g[1.546,0.103]
1/1 [=====] - 0s 80ms/step
>1215, dr[0.590,0.446], df[0.561,0.174], g[1.793,0.099]
1/1 [=====] - 0s 84ms/step
>1216, dr[0.420,0.562], df[0.373,0.074], g[1.679,0.103]
1/1 [=====] - 0s 71ms/step
>1217, dr[0.446,0.987], df[0.299,0.228], g[2.025,0.066]
1/1 [=====] - 0s 70ms/step
>1218, dr[0.600,0.870], df[0.569,0.178], g[1.387,0.051]
1/1 [=====] - 0s 76ms/step
>1219, dr[0.461,0.613], df[0.685,0.078], g[1.596,0.090]
1/1 [=====] - 0s 72ms/step
>1220, dr[0.697,0.951], df[0.636,0.074], g[1.409,0.198]
1/1 [=====] - 0s 77ms/step
>1221, dr[0.597,0.368], df[0.429,0.112], g[1.419,0.156]
1/1 [=====] - 0s 74ms/step
>1222, dr[0.591,0.686], df[0.657,0.177], g[1.354,0.176]
1/1 [=====] - 0s 77ms/step
>1223, dr[0.610,0.318], df[0.664,0.139], g[1.874,0.084]
1/1 [=====] - 0s 81ms/step
>1224, dr[0.318,0.443], df[0.529,0.068], g[1.811,0.070]
1/1 [=====] - 0s 87ms/step
>1225, dr[0.720,0.777], df[0.654,0.106], g[1.768,0.138]
1/1 [=====] - 0s 75ms/step
>1226, dr[0.485,0.800], df[0.638,0.201], g[1.600,0.103]
1/1 [=====] - 0s 72ms/step
>1227, dr[0.852,0.550], df[0.577,0.141], g[1.580,0.104]
1/1 [=====] - 0s 73ms/step
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>1228, dr[0.666,0.944], df[0.471,0.053], g[1.766,0.057]
1/1 [=====] - 0s 69ms/step
>1229, dr[0.502,0.795], df[0.778,0.088], g[1.819,0.053]
1/1 [=====] - 0s 83ms/step
>1230, dr[0.439,1.560], df[0.398,0.041], g[2.137,0.093]
1/1 [=====] - 0s 73ms/step
>1231, dr[0.524,0.697], df[0.272,0.132], g[2.113,0.063]
1/1 [=====] - 0s 80ms/step
>1232, dr[0.570,0.450], df[0.720,0.266], g[1.589,0.094]
1/1 [=====] - 0s 70ms/step
>1233, dr[0.593,0.579], df[0.494,0.105], g[1.822,0.216]
1/1 [=====] - 0s 81ms/step
>1234, dr[0.587,0.496], df[0.554,0.099], g[1.783,0.112]
1/1 [=====] - 0s 72ms/step
>1235, dr[0.573,0.380], df[0.450,0.147], g[1.752,0.162]
1/1 [=====] - 0s 73ms/step
>1236, dr[0.331,0.789], df[0.429,0.071], g[2.148,0.128]
1/1 [=====] - 0s 76ms/step
>1237, dr[0.558,0.864], df[0.477,0.146], g[1.543,0.164]
1/1 [=====] - 0s 86ms/step
>1238, dr[0.640,0.967], df[0.380,0.111], g[1.721,0.155]
1/1 [=====] - 0s 93ms/step
>1239, dr[0.410,0.479], df[0.613,0.180], g[1.509,0.077]
1/1 [=====] - 0s 73ms/step
>1240, dr[0.696,0.502], df[0.470,0.060], g[1.539,0.098]
1/1 [=====] - 0s 84ms/step
>1241, dr[0.407,0.594], df[0.642,0.114], g[1.610,0.104]
1/1 [=====] - 0s 73ms/step
>1242, dr[0.786,0.657], df[0.474,0.121], g[1.373,0.158]
1/1 [=====] - 0s 70ms/step
>1243, dr[0.532,0.794], df[0.698,0.156], g[1.541,0.074]
1/1 [=====] - 0s 80ms/step
>1244, dr[0.558,0.758], df[0.479,0.144], g[1.575,0.079]
1/1 [=====] - 0s 80ms/step
>1245, dr[0.533,0.935], df[0.679,0.270], g[1.632,0.141]
1/1 [=====] - 0s 81ms/step
>1246, dr[0.571,0.714], df[0.909,0.141], g[1.665,0.247]
1/1 [=====] - 0s 73ms/step
>1247, dr[0.816,0.506], df[0.427,0.278], g[1.558,0.094]
1/1 [=====] - 0s 86ms/step
>1248, dr[0.417,0.618], df[0.621,0.292], g[1.827,0.079]
1/1 [=====] - 0s 75ms/step
>1249, dr[0.522,0.679], df[0.488,0.081], g[1.870,0.142]
1/1 [=====] - 0s 83ms/step
>1250, dr[0.535,0.960], df[0.532,0.101], g[2.131,0.124]
1/1 [=====] - 0s 75ms/step
>1251, dr[0.561,0.714], df[0.238,0.208], g[1.691,0.240]
1/1 [=====] - 0s 75ms/step
>1252, dr[0.812,0.543], df[0.816,0.182], g[1.508,0.113]
1/1 [=====] - 0s 73ms/step
>1253, dr[0.494,0.472], df[0.524,0.144], g[1.878,0.207]
1/1 [=====] - 0s 70ms/step
>1254, dr[0.525,0.666], df[0.634,0.098], g[2.032,0.116]
1/1 [=====] - 0s 72ms/step
>1255, dr[0.547,0.315], df[0.349,0.094], g[2.106,0.151]
1/1 [=====] - 0s 92ms/step
>1256, dr[0.322,0.597], df[0.320,0.349], g[2.344,0.116]
1/1 [=====] - 0s 79ms/step
>1257, dr[0.787,0.423], df[0.421,0.267], g[1.640,0.100]
1/1 [=====] - 0s 72ms/step
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>1258, dr[0.503,0.693], df[0.640,0.095], g[1.935,0.109]
1/1 [=====] - 0s 80ms/step
>1259, dr[0.411,0.817], df[0.410,0.214], g[2.042,0.101]
1/1 [=====] - 0s 77ms/step
>1260, dr[0.531,1.207], df[0.303,0.045], g[1.443,0.067]
1/1 [=====] - 0s 78ms/step
>1261, dr[0.609,1.209], df[0.612,0.078], g[1.511,0.164]
1/1 [=====] - 0s 71ms/step
>1262, dr[0.456,0.947], df[0.787,0.095], g[1.882,0.136]
1/1 [=====] - 0s 74ms/step
>1263, dr[0.837,0.726], df[0.431,0.036], g[1.601,0.094]
1/1 [=====] - 0s 72ms/step
>1264, dr[0.432,0.489], df[0.703,0.155], g[1.844,0.201]
1/1 [=====] - 0s 77ms/step
>1265, dr[0.344,0.433], df[0.589,0.057], g[2.061,0.086]
1/1 [=====] - 0s 73ms/step
>1266, dr[0.712,0.626], df[0.618,0.234], g[1.952,0.268]
1/1 [=====] - 0s 77ms/step
>1267, dr[0.606,0.504], df[0.697,0.102], g[2.024,0.099]
1/1 [=====] - 0s 85ms/step
>1268, dr[0.658,1.367], df[0.428,0.161], g[1.695,0.123]
1/1 [=====] - 0s 74ms/step
>1269, dr[0.461,0.526], df[0.633,0.107], g[2.056,0.123]
1/1 [=====] - 0s 82ms/step
>1270, dr[0.572,0.881], df[0.512,0.077], g[2.088,0.146]
1/1 [=====] - 0s 76ms/step
>1271, dr[0.583,1.165], df[0.514,0.097], g[1.603,0.188]
1/1 [=====] - 0s 82ms/step
>1272, dr[0.416,0.914], df[0.496,0.168], g[1.734,0.194]
1/1 [=====] - 0s 75ms/step
>1273, dr[0.481,0.514], df[0.371,0.059], g[1.724,0.084]
1/1 [=====] - 0s 79ms/step
>1274, dr[0.273,0.629], df[0.524,0.243], g[2.014,0.124]
1/1 [=====] - 0s 76ms/step
>1275, dr[0.545,0.702], df[0.363,0.209], g[1.430,0.075]
1/1 [=====] - 0s 70ms/step
>1276, dr[0.349,0.560], df[0.406,0.102], g[1.687,0.193]
1/1 [=====] - 0s 72ms/step
>1277, dr[0.548,0.431], df[0.579,0.107], g[1.345,0.143]
1/1 [=====] - 0s 71ms/step
>1278, dr[0.318,0.828], df[0.526,0.090], g[1.840,0.189]
1/1 [=====] - 0s 78ms/step
>1279, dr[0.491,0.575], df[0.587,0.084], g[1.733,0.198]
1/1 [=====] - 0s 70ms/step
>1280, dr[0.634,0.946], df[0.421,0.040], g[1.830,0.086]
1/1 [=====] - 0s 78ms/step
>1281, dr[0.653,0.803], df[0.847,0.113], g[1.828,0.169]
1/1 [=====] - 0s 72ms/step
>1282, dr[0.388,0.642], df[0.416,0.199], g[1.556,0.109]
1/1 [=====] - 0s 82ms/step
>1283, dr[0.635,0.592], df[0.658,0.349], g[1.754,0.218]
1/1 [=====] - 0s 73ms/step
>1284, dr[0.687,0.750], df[0.542,0.192], g[1.776,0.047]
1/1 [=====] - 0s 71ms/step
>1285, dr[0.497,0.548], df[0.429,0.067], g[1.967,0.229]
1/1 [=====] - 0s 74ms/step
>1286, dr[0.395,0.720], df[0.452,0.081], g[2.140,0.119]
1/1 [=====] - 0s 69ms/step
>1287, dr[0.568,0.343], df[0.684,0.121], g[2.170,0.122]
1/1 [=====] - 0s 71ms/step
```

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>1288, dr[0.606,0.902], df[0.443,0.046], g[1.771,0.106]
1/1 [=====] - 0s 72ms/step
>1289, dr[0.554,0.552], df[0.446,0.129], g[1.719,0.044]
1/1 [=====] - 0s 76ms/step
>1290, dr[0.376,0.552], df[0.315,0.132], g[1.512,0.131]
1/1 [=====] - 0s 75ms/step
>1291, dr[0.295,0.881], df[0.515,0.063], g[1.914,0.063]
1/1 [=====] - 0s 82ms/step
>1292, dr[0.763,0.446], df[0.480,0.080], g[2.381,0.183]
1/1 [=====] - 0s 83ms/step
>1293, dr[0.541,0.249], df[0.435,0.145], g[1.854,0.106]
1/1 [=====] - 0s 92ms/step
>1294, dr[0.466,0.875], df[0.605,0.232], g[1.855,0.133]
1/1 [=====] - 0s 96ms/step
>1295, dr[0.897,1.149], df[0.615,0.092], g[1.687,0.266]
1/1 [=====] - 0s 91ms/step
>1296, dr[0.349,0.591], df[0.496,0.035], g[1.866,0.080]
1/1 [=====] - 0s 79ms/step
>1297, dr[0.366,0.979], df[0.475,0.148], g[2.003,0.080]
1/1 [=====] - 0s 72ms/step
>1298, dr[0.605,0.668], df[0.390,0.101], g[1.960,0.062]
1/1 [=====] - 0s 111ms/step
>1299, dr[0.445,0.498], df[0.395,0.163], g[1.612,0.074]
1/1 [=====] - 0s 89ms/step
>1300, dr[0.532,0.673], df[0.572,0.061], g[1.628,0.131]
1/1 [=====] - 0s 82ms/step
>1301, dr[0.486,0.554], df[0.698,0.078], g[2.010,0.091]
1/1 [=====] - 0s 83ms/step
>1302, dr[0.481,0.709], df[0.471,0.083], g[2.112,0.060]
1/1 [=====] - 0s 71ms/step
>1303, dr[0.499,0.549], df[0.409,0.113], g[2.058,0.132]
1/1 [=====] - 0s 72ms/step
>1304, dr[0.674,0.758], df[0.542,0.094], g[1.890,0.114]
1/1 [=====] - 0s 85ms/step
>1305, dr[0.571,1.195], df[0.841,0.070], g[1.790,0.157]
1/1 [=====] - 0s 83ms/step
>1306, dr[0.428,1.130], df[0.510,0.352], g[1.748,0.044]
1/1 [=====] - 0s 95ms/step
>1307, dr[0.706,0.916], df[0.505,0.119], g[1.689,0.087]
1/1 [=====] - 0s 91ms/step
>1308, dr[0.413,0.604], df[0.759,0.084], g[1.664,0.077]
1/1 [=====] - 0s 152ms/step
>1309, dr[0.905,0.338], df[0.574,0.143], g[1.853,0.078]
1/1 [=====] - 0s 110ms/step
>1310, dr[0.553,0.895], df[0.736,0.182], g[1.652,0.084]
1/1 [=====] - 0s 88ms/step
>1311, dr[0.584,0.965], df[0.376,0.135], g[1.931,0.079]
1/1 [=====] - 0s 76ms/step
>1312, dr[0.501,0.804], df[0.745,0.120], g[1.995,0.080]
1/1 [=====] - 0s 86ms/step
>1313, dr[0.536,1.051], df[0.348,0.099], g[1.875,0.082]
1/1 [=====] - 0s 85ms/step
>1314, dr[0.578,0.553], df[0.496,0.169], g[1.444,0.076]
1/1 [=====] - 0s 81ms/step
>1315, dr[0.493,0.589], df[0.602,0.096], g[1.928,0.194]
1/1 [=====] - 0s 85ms/step
>1316, dr[0.550,0.553], df[0.684,0.072], g[2.339,0.068]
1/1 [=====] - 0s 80ms/step
>1317, dr[0.964,0.471], df[0.430,0.501], g[1.681,0.067]
1/1 [=====] - 0s 75ms/step
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>1318, dr[0.501,0.509], df[0.362,0.070], g[1.280,0.167]
1/1 [=====] - 0s 83ms/step
>1319, dr[0.442,1.289], df[0.585,0.085], g[1.808,0.170]
1/1 [=====] - 0s 86ms/step
>1320, dr[0.408,0.671], df[0.493,0.074], g[1.515,0.088]
1/1 [=====] - 0s 86ms/step
>1321, dr[0.456,0.920], df[0.283,0.075], g[1.799,0.091]
1/1 [=====] - 0s 78ms/step
>1322, dr[0.333,0.620], df[0.714,0.088], g[2.131,0.120]
1/1 [=====] - 0s 77ms/step
>1323, dr[0.923,1.080], df[0.609,0.044], g[1.640,0.127]
1/1 [=====] - 0s 81ms/step
>1324, dr[0.462,0.743], df[0.821,0.198], g[1.644,0.172]
1/1 [=====] - 0s 83ms/step
>1325, dr[0.510,0.801], df[0.593,0.119], g[1.891,0.122]
1/1 [=====] - 0s 80ms/step
>1326, dr[0.493,0.754], df[0.360,0.154], g[1.696,0.149]
1/1 [=====] - 0s 80ms/step
>1327, dr[0.619,0.497], df[0.467,0.085], g[1.629,0.112]
1/1 [=====] - 0s 78ms/step
>1328, dr[0.504,0.611], df[0.593,0.057], g[1.561,0.104]
1/1 [=====] - 0s 76ms/step
>1329, dr[0.536,0.244], df[0.567,0.290], g[1.798,0.152]
1/1 [=====] - 0s 85ms/step
>1330, dr[0.503,0.364], df[0.497,0.049], g[1.684,0.177]
1/1 [=====] - 0s 80ms/step
>1331, dr[0.314,0.479], df[0.522,0.172], g[2.031,0.103]
1/1 [=====] - 0s 90ms/step
>1332, dr[0.594,0.657], df[0.291,0.123], g[1.883,0.072]
1/1 [=====] - 0s 80ms/step
>1333, dr[0.519,0.892], df[0.381,0.280], g[1.507,0.107]
1/1 [=====] - 0s 84ms/step
>1334, dr[0.449,0.452], df[0.693,0.170], g[1.879,0.175]
1/1 [=====] - 0s 87ms/step
>1335, dr[0.464,0.734], df[0.364,0.097], g[2.197,0.140]
1/1 [=====] - 0s 81ms/step
>1336, dr[0.600,0.759], df[0.594,0.402], g[1.862,0.052]
1/1 [=====] - 0s 82ms/step
>1337, dr[0.414,1.317], df[0.610,0.105], g[1.920,0.199]
1/1 [=====] - 0s 80ms/step
>1338, dr[0.785,0.533], df[0.476,0.058], g[1.889,0.065]
1/1 [=====] - 0s 74ms/step
>1339, dr[0.447,0.758], df[0.352,0.237], g[2.051,0.099]
1/1 [=====] - 0s 102ms/step
>1340, dr[0.503,0.592], df[0.596,0.131], g[1.955,0.231]
1/1 [=====] - 0s 77ms/step
>1341, dr[0.398,0.737], df[0.412,0.107], g[1.977,0.171]
1/1 [=====] - 0s 89ms/step
>1342, dr[0.528,0.702], df[0.496,0.078], g[1.940,0.207]
1/1 [=====] - 0s 89ms/step
>1343, dr[0.527,0.663], df[0.425,0.064], g[1.567,0.117]
1/1 [=====] - 0s 81ms/step
>1344, dr[0.495,0.590], df[0.805,0.153], g[2.070,0.100]
1/1 [=====] - 0s 73ms/step
>1345, dr[0.287,0.445], df[0.420,0.256], g[2.566,0.064]
1/1 [=====] - 0s 72ms/step
>1346, dr[0.731,1.020], df[0.431,0.131], g[1.980,0.112]
1/1 [=====] - 0s 86ms/step
>1347, dr[0.623,0.654], df[0.719,0.188], g[1.697,0.351]
1/1 [=====] - 0s 80ms/step
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>1348, dr[0.751,0.772], df[0.728,0.113], g[1.857,0.130]
1/1 [=====] - 0s 86ms/step
>1349, dr[0.419,0.515], df[0.598,0.255], g[1.984,0.083]
1/1 [=====] - 0s 86ms/step
>1350, dr[0.646,0.812], df[0.416,0.183], g[1.873,0.095]
1/1 [=====] - 0s 86ms/step
>1351, dr[0.580,1.038], df[0.585,0.072], g[1.696,0.140]
1/1 [=====] - 0s 86ms/step
>1352, dr[0.360,0.701], df[0.562,0.090], g[1.722,0.246]
1/1 [=====] - 0s 80ms/step
>1353, dr[0.549,0.590], df[0.503,0.203], g[2.063,0.234]
1/1 [=====] - 0s 84ms/step
>1354, dr[0.334,0.440], df[0.330,0.215], g[2.090,0.101]
1/1 [=====] - 0s 77ms/step
>1355, dr[0.765,0.635], df[0.520,0.070], g[1.540,0.078]
1/1 [=====] - 0s 81ms/step
>1356, dr[0.527,0.827], df[0.672,0.114], g[1.601,0.054]
1/1 [=====] - 0s 76ms/step
>1357, dr[0.369,0.459], df[0.356,0.067], g[2.064,0.162]
1/1 [=====] - 0s 84ms/step
>1358, dr[0.479,0.344], df[0.479,0.066], g[1.883,0.293]
1/1 [=====] - 0s 84ms/step
>1359, dr[0.652,0.274], df[0.551,0.151], g[1.687,0.094]
1/1 [=====] - 0s 85ms/step
>1360, dr[0.634,1.348], df[0.765,0.070], g[1.738,0.098]
1/1 [=====] - 0s 87ms/step
>1361, dr[0.628,0.461], df[0.698,0.020], g[1.900,0.084]
1/1 [=====] - 0s 79ms/step
>1362, dr[0.531,0.938], df[0.395,0.112], g[2.325,0.233]
1/1 [=====] - 0s 78ms/step
>1363, dr[0.593,0.687], df[0.390,0.048], g[2.108,0.196]
1/1 [=====] - 0s 86ms/step
>1364, dr[0.445,0.641], df[0.649,0.136], g[2.201,0.106]
1/1 [=====] - 0s 75ms/step
>1365, dr[0.512,0.632], df[0.518,0.086], g[1.811,0.185]
1/1 [=====] - 0s 80ms/step
>1366, dr[0.638,0.260], df[0.311,0.059], g[1.605,0.115]
1/1 [=====] - 0s 73ms/step
>1367, dr[0.495,0.987], df[0.372,0.123], g[1.935,0.164]
1/1 [=====] - 0s 88ms/step
>1368, dr[0.749,1.036], df[0.931,0.145], g[1.329,0.188]
1/1 [=====] - 0s 73ms/step
>1369, dr[0.316,0.375], df[0.570,0.148], g[1.919,0.091]
1/1 [=====] - 0s 91ms/step
>1370, dr[0.681,0.493], df[0.382,0.149], g[2.335,0.186]
1/1 [=====] - 0s 76ms/step
>1371, dr[0.613,0.975], df[0.457,0.187], g[1.556,0.134]
1/1 [=====] - 0s 80ms/step
>1372, dr[0.434,0.850], df[0.601,0.039], g[1.611,0.086]
1/1 [=====] - 0s 79ms/step
>1373, dr[0.375,0.363], df[0.437,0.101], g[1.545,0.068]
1/1 [=====] - 0s 79ms/step
>1374, dr[0.285,0.656], df[0.418,0.237], g[2.370,0.136]
1/1 [=====] - 0s 80ms/step
>1375, dr[0.804,1.567], df[0.522,0.169], g[1.643,0.097]
1/1 [=====] - 0s 73ms/step
>1376, dr[0.392,0.288], df[0.656,0.139], g[1.843,0.165]
1/1 [=====] - 0s 78ms/step
>1377, dr[0.687,0.831], df[0.536,0.187], g[1.701,0.073]
1/1 [=====] - 0s 73ms/step
```

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>1378, dr[0.484,0.424], df[0.399,0.079], g[1.658,0.098]
1/1 [=====] - 0s 78ms/step
>1379, dr[0.318,0.585], df[0.476,0.245], g[1.926,0.132]
1/1 [=====] - 0s 73ms/step
>1380, dr[0.477,0.714], df[0.343,0.071], g[2.117,0.090]
1/1 [=====] - 0s 77ms/step
>1381, dr[0.699,0.561], df[0.464,0.136], g[1.622,0.057]
1/1 [=====] - 0s 72ms/step
>1382, dr[0.453,0.477], df[0.404,0.098], g[1.662,0.111]
1/1 [=====] - 0s 75ms/step
>1383, dr[0.379,0.730], df[0.565,0.112], g[1.787,0.206]
1/1 [=====] - 0s 72ms/step
>1384, dr[0.452,0.664], df[0.459,0.123], g[2.435,0.086]
1/1 [=====] - 0s 73ms/step
>1385, dr[0.702,0.806], df[0.395,0.045], g[1.751,0.042]
1/1 [=====] - 0s 75ms/step
>1386, dr[0.398,0.683], df[0.516,0.186], g[2.074,0.075]
1/1 [=====] - 0s 74ms/step
>1387, dr[0.546,0.714], df[0.528,0.052], g[1.645,0.085]
1/1 [=====] - 0s 84ms/step
>1388, dr[0.339,0.931], df[0.351,0.039], g[1.625,0.216]
1/1 [=====] - 0s 75ms/step
>1389, dr[0.455,0.393], df[0.383,0.039], g[1.492,0.227]
1/1 [=====] - 0s 78ms/step
>1390, dr[0.654,1.129], df[0.823,0.258], g[1.778,0.161]
1/1 [=====] - 0s 74ms/step
>1391, dr[0.622,0.676], df[0.780,0.122], g[1.709,0.063]
1/1 [=====] - 0s 79ms/step
>1392, dr[0.458,0.733], df[0.492,0.053], g[1.822,0.083]
1/1 [=====] - 0s 78ms/step
>1393, dr[0.373,0.517], df[0.385,0.056], g[1.719,0.056]
1/1 [=====] - 0s 73ms/step
>1394, dr[0.482,1.064], df[0.416,0.124], g[1.831,0.105]
1/1 [=====] - 0s 76ms/step
>1395, dr[0.306,0.541], df[0.351,0.068], g[1.825,0.142]
1/1 [=====] - 0s 73ms/step
>1396, dr[0.488,1.031], df[0.442,0.207], g[1.821,0.126]
1/1 [=====] - 0s 79ms/step
>1397, dr[0.580,0.556], df[0.532,0.094], g[1.883,0.083]
1/1 [=====] - 0s 74ms/step
>1398, dr[0.367,0.618], df[0.471,0.066], g[2.285,0.129]
1/1 [=====] - 0s 80ms/step
>1399, dr[0.542,0.357], df[0.546,0.101], g[2.177,0.072]
1/1 [=====] - 0s 73ms/step
>1400, dr[0.373,0.441], df[0.240,0.071], g[2.067,0.074]
1/1 [=====] - 0s 76ms/step
>1401, dr[0.371,0.605], df[0.349,0.049], g[1.644,0.126]
1/1 [=====] - 0s 78ms/step
>1402, dr[0.379,0.980], df[0.567,0.141], g[1.825,0.178]
1/1 [=====] - 0s 73ms/step
>1403, dr[0.776,0.905], df[0.477,0.073], g[1.246,0.090]
1/1 [=====] - 0s 77ms/step
>1404, dr[0.231,0.525], df[0.531,0.043], g[1.561,0.103]
1/1 [=====] - 0s 76ms/step
>1405, dr[0.435,0.756], df[0.450,0.060], g[2.118,0.096]
1/1 [=====] - 0s 83ms/step
>1406, dr[0.374,0.819], df[0.267,0.091], g[1.708,0.156]
1/1 [=====] - 0s 73ms/step
>1407, dr[0.323,0.529], df[0.523,0.076], g[1.709,0.168]
1/1 [=====] - 0s 84ms/step
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>1408, dr[0.379,0.501], df[0.554,0.155], g[1.648,0.136]
1/1 [=====] - 0s 79ms/step
>1409, dr[0.697,1.115], df[0.602,0.168], g[1.539,0.093]
1/1 [=====] - 0s 82ms/step
>1410, dr[0.575,0.580], df[0.699,0.050], g[1.770,0.071]
1/1 [=====] - 0s 82ms/step
>1411, dr[0.351,0.374], df[0.556,0.096], g[2.121,0.090]
1/1 [=====] - 0s 75ms/step
>1412, dr[0.448,0.635], df[0.391,0.135], g[2.036,0.143]
1/1 [=====] - 0s 81ms/step
>1413, dr[0.600,0.996], df[0.447,0.041], g[1.875,0.245]
1/1 [=====] - 0s 72ms/step
>1414, dr[0.520,1.062], df[0.516,0.146], g[1.675,0.189]
1/1 [=====] - 0s 76ms/step
>1415, dr[0.494,0.566], df[0.763,0.117], g[1.673,0.089]
1/1 [=====] - 0s 77ms/step
>1416, dr[0.482,0.640], df[0.529,0.048], g[2.158,0.040]
1/1 [=====] - 0s 85ms/step
>1417, dr[0.525,0.369], df[0.358,0.036], g[1.963,0.121]
1/1 [=====] - 0s 74ms/step
>1418, dr[0.508,0.539], df[0.468,0.115], g[1.440,0.047]
1/1 [=====] - 0s 80ms/step
>1419, dr[0.417,0.181], df[0.660,0.065], g[1.842,0.076]
1/1 [=====] - 0s 74ms/step
>1420, dr[0.496,0.928], df[0.408,0.140], g[1.712,0.081]
1/1 [=====] - 0s 81ms/step
>1421, dr[0.550,0.900], df[0.686,0.153], g[2.028,0.055]
1/1 [=====] - 0s 75ms/step
>1422, dr[0.614,0.745], df[0.592,0.151], g[1.713,0.132]
1/1 [=====] - 0s 74ms/step
>1423, dr[0.845,1.402], df[0.587,0.046], g[1.629,0.132]
1/1 [=====] - 0s 78ms/step
>1424, dr[0.528,1.341], df[0.623,0.090], g[1.640,0.118]
1/1 [=====] - 0s 83ms/step
>1425, dr[0.294,0.707], df[0.475,0.093], g[1.799,0.179]
1/1 [=====] - 0s 83ms/step
>1426, dr[0.434,0.536], df[0.845,0.187], g[2.020,0.109]
1/1 [=====] - 0s 76ms/step
>1427, dr[0.611,0.359], df[0.379,0.234], g[1.739,0.076]
1/1 [=====] - 0s 77ms/step
>1428, dr[0.554,0.726], df[0.502,0.110], g[1.673,0.071]
1/1 [=====] - 0s 73ms/step
>1429, dr[0.396,0.428], df[0.584,0.136], g[1.886,0.073]
1/1 [=====] - 0s 81ms/step
>1430, dr[0.462,0.618], df[0.289,0.049], g[1.886,0.075]
1/1 [=====] - 0s 75ms/step
>1431, dr[0.340,0.496], df[0.392,0.266], g[1.908,0.107]
1/1 [=====] - 0s 72ms/step
>1432, dr[0.377,0.560], df[0.382,0.085], g[2.171,0.154]
1/1 [=====] - 0s 78ms/step
>1433, dr[0.363,0.719], df[0.476,0.079], g[2.337,0.069]
1/1 [=====] - 0s 74ms/step
>1434, dr[0.751,0.820], df[0.638,0.113], g[1.671,0.206]
1/1 [=====] - 0s 76ms/step
>1435, dr[0.641,0.833], df[0.401,0.087], g[1.188,0.090]
1/1 [=====] - 0s 74ms/step
>1436, dr[0.638,0.794], df[0.538,0.072], g[1.269,0.101]
1/1 [=====] - 0s 83ms/step
>1437, dr[0.372,0.882], df[0.618,0.171], g[1.720,0.126]
1/1 [=====] - 0s 76ms/step
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>1438, dr[0.569,0.766], df[0.425,0.167], g[1.434,0.145]
1/1 [=====] - 0s 77ms/step
>1439, dr[0.592,1.182], df[0.567,0.138], g[1.887,0.110]
1/1 [=====] - 0s 76ms/step
>1440, dr[0.194,0.810], df[0.529,0.080], g[1.764,0.071]
1/1 [=====] - 0s 79ms/step
>1441, dr[0.382,0.240], df[0.475,0.114], g[1.912,0.166]
1/1 [=====] - 0s 80ms/step
>1442, dr[0.682,1.134], df[0.444,0.057], g[1.834,0.132]
1/1 [=====] - 0s 84ms/step
>1443, dr[0.429,0.774], df[0.522,0.079], g[1.987,0.124]
1/1 [=====] - 0s 78ms/step
>1444, dr[0.630,0.558], df[0.703,0.209], g[1.554,0.194]
1/1 [=====] - 0s 79ms/step
>1445, dr[0.319,0.696], df[0.448,0.069], g[1.816,0.235]
1/1 [=====] - 0s 80ms/step
>1446, dr[0.341,1.096], df[0.384,0.140], g[1.769,0.219]
1/1 [=====] - 0s 78ms/step
>1447, dr[0.320,0.805], df[0.477,0.055], g[2.022,0.073]
1/1 [=====] - 0s 79ms/step
>1448, dr[0.318,0.489], df[0.345,0.038], g[2.453,0.150]
1/1 [=====] - 0s 78ms/step
>1449, dr[0.976,0.899], df[0.376,0.117], g[1.493,0.133]
1/1 [=====] - 0s 75ms/step
>1450, dr[0.251,0.722], df[0.535,0.117], g[2.044,0.187]
1/1 [=====] - 0s 78ms/step
>1451, dr[0.618,0.533], df[0.246,0.243], g[1.386,0.107]
1/1 [=====] - 0s 75ms/step
>1452, dr[0.445,0.262], df[0.498,0.034], g[1.611,0.174]
1/1 [=====] - 0s 77ms/step
>1453, dr[0.316,0.973], df[0.685,0.207], g[2.408,0.122]
1/1 [=====] - 0s 74ms/step
>1454, dr[0.698,1.042], df[0.440,0.107], g[1.659,0.089]
1/1 [=====] - 0s 84ms/step
>1455, dr[0.586,0.721], df[0.624,0.112], g[2.075,0.124]
1/1 [=====] - 0s 75ms/step
>1456, dr[0.555,1.352], df[0.441,0.070], g[1.865,0.076]
1/1 [=====] - 0s 79ms/step
>1457, dr[0.384,0.630], df[0.374,0.091], g[1.804,0.137]
1/1 [=====] - 0s 76ms/step
>1458, dr[0.463,0.553], df[0.546,0.096], g[1.828,0.112]
1/1 [=====] - 0s 87ms/step
>1459, dr[0.291,0.497], df[0.390,0.132], g[1.944,0.110]
1/1 [=====] - 0s 78ms/step
>1460, dr[0.448,0.476], df[0.435,0.214], g[2.076,0.142]
1/1 [=====] - 0s 77ms/step
>1461, dr[0.376,0.444], df[0.459,0.072], g[1.764,0.138]
1/1 [=====] - 0s 80ms/step
>1462, dr[0.667,0.669], df[0.604,0.116], g[1.602,0.075]
1/1 [=====] - 0s 76ms/step
>1463, dr[0.569,1.000], df[0.738,0.150], g[1.477,0.332]
1/1 [=====] - 0s 80ms/step
>1464, dr[0.394,0.780], df[0.477,0.086], g[2.253,0.130]
1/1 [=====] - 0s 74ms/step
>1465, dr[0.555,0.280], df[0.411,0.194], g[2.020,0.193]
1/1 [=====] - 0s 82ms/step
>1466, dr[0.536,0.551], df[0.648,0.253], g[2.109,0.154]
1/1 [=====] - 0s 73ms/step
>1467, dr[0.499,0.924], df[0.459,0.258], g[1.763,0.161]
1/1 [=====] - 0s 82ms/step
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>1468, dr[0.373,0.727], df[0.762,0.196], g[2.242,0.062]
1/1 [=====] - 0s 78ms/step
>1469, dr[0.502,0.932], df[0.184,0.065], g[2.117,0.138]
1/1 [=====] - 0s 73ms/step
>1470, dr[0.327,0.401], df[0.356,0.122], g[2.040,0.169]
1/1 [=====] - 0s 77ms/step
>1471, dr[0.509,0.556], df[0.533,0.150], g[1.939,0.121]
1/1 [=====] - 0s 74ms/step
>1472, dr[0.432,0.447], df[0.414,0.197], g[1.747,0.058]
1/1 [=====] - 0s 81ms/step
>1473, dr[0.329,0.528], df[0.435,0.106], g[2.148,0.121]
1/1 [=====] - 0s 74ms/step
>1474, dr[0.633,0.884], df[0.406,0.044], g[1.955,0.167]
1/1 [=====] - 0s 79ms/step
>1475, dr[0.448,0.661], df[0.411,0.043], g[1.858,0.185]
1/1 [=====] - 0s 83ms/step
>1476, dr[0.439,0.307], df[0.393,0.060], g[1.574,0.147]
1/1 [=====] - 0s 92ms/step
>1477, dr[0.322,0.302], df[0.872,0.055], g[1.940,0.072]
1/1 [=====] - 1s 683ms/step
>1478, dr[0.580,0.820], df[0.436,0.091], g[2.128,0.079]
1/1 [=====] - 0s 92ms/step
>1479, dr[0.527,0.668], df[0.533,0.138], g[2.014,0.097]
1/1 [=====] - 0s 89ms/step
>1480, dr[0.522,1.010], df[0.527,0.339], g[1.791,0.085]
1/1 [=====] - 0s 86ms/step
>1481, dr[0.464,0.756], df[0.718,0.176], g[2.003,0.110]
1/1 [=====] - 0s 109ms/step
>1482, dr[0.757,0.668], df[0.396,0.310], g[1.872,0.122]
1/1 [=====] - 0s 81ms/step
>1483, dr[0.468,0.950], df[0.482,0.117], g[2.039,0.250]
1/1 [=====] - 0s 90ms/step
>1484, dr[0.446,1.236], df[0.366,0.084], g[1.706,0.130]
1/1 [=====] - 0s 82ms/step
>1485, dr[0.495,0.433], df[0.581,0.226], g[1.788,0.224]
1/1 [=====] - 0s 87ms/step
>1486, dr[0.460,0.864], df[0.558,0.102], g[1.786,0.157]
1/1 [=====] - 0s 80ms/step
>1487, dr[0.525,0.517], df[0.475,0.137], g[1.537,0.119]
1/1 [=====] - 0s 82ms/step
>1488, dr[0.437,0.451], df[0.343,0.066], g[1.823,0.113]
1/1 [=====] - 0s 86ms/step
>1489, dr[0.214,0.551], df[0.469,0.196], g[2.194,0.093]
1/1 [=====] - 0s 85ms/step
>1490, dr[0.574,0.731], df[0.384,0.022], g[2.015,0.062]
1/1 [=====] - 0s 82ms/step
>1491, dr[0.388,0.311], df[0.422,0.037], g[2.115,0.156]
1/1 [=====] - 0s 81ms/step
>1492, dr[0.534,0.477], df[0.433,0.107], g[1.828,0.153]
1/1 [=====] - 0s 86ms/step
>1493, dr[0.275,0.754], df[0.415,0.052], g[1.787,0.133]
1/1 [=====] - 0s 104ms/step
>1494, dr[0.411,0.774], df[0.430,0.140], g[1.853,0.128]
1/1 [=====] - 0s 88ms/step
>1495, dr[0.642,0.359], df[0.715,0.099], g[1.721,0.133]
1/1 [=====] - 0s 83ms/step
>1496, dr[0.577,0.318], df[0.468,0.069], g[1.892,0.163]
1/1 [=====] - 0s 88ms/step
>1497, dr[0.410,0.778], df[0.766,0.115], g[2.132,0.167]
1/1 [=====] - 0s 78ms/step
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>1498, dr[0.465,0.446], df[0.287,0.038], g[2.340,0.165]
1/1 [=====] - 0s 82ms/step
>1499, dr[0.817,0.783], df[0.558,0.271], g[1.770,0.138]
1/1 [=====] - 0s 86ms/step
>1500, dr[0.267,0.886], df[0.301,0.082], g[1.960,0.101]
1/1 [=====] - 0s 83ms/step
>1501, dr[0.384,0.677], df[0.388,0.088], g[2.024,0.060]
1/1 [=====] - 0s 89ms/step
>1502, dr[0.631,0.628], df[0.627,0.217], g[1.935,0.123]
1/1 [=====] - 0s 85ms/step
>1503, dr[0.300,0.692], df[0.442,0.049], g[2.241,0.213]
1/1 [=====] - 0s 87ms/step
>1504, dr[0.305,0.543], df[0.450,0.217], g[2.266,0.128]
1/1 [=====] - 0s 84ms/step
>1505, dr[0.634,0.616], df[0.347,0.335], g[2.009,0.066]
1/1 [=====] - 0s 88ms/step
>1506, dr[0.445,0.813], df[0.389,0.083], g[2.099,0.094]
1/1 [=====] - 0s 89ms/step
>1507, dr[0.411,0.645], df[0.386,0.078], g[1.945,0.097]
1/1 [=====] - 0s 87ms/step
>1508, dr[0.409,0.461], df[0.307,0.137], g[1.679,0.079]
1/1 [=====] - 0s 104ms/step
>1509, dr[0.265,0.636], df[0.487,0.052], g[2.018,0.097]
1/1 [=====] - 0s 87ms/step
>1510, dr[0.516,0.499], df[0.276,0.096], g[1.630,0.123]
1/1 [=====] - 0s 92ms/step
>1511, dr[0.568,0.378], df[0.709,0.207], g[1.564,0.067]
1/1 [=====] - 0s 94ms/step
>1512, dr[0.399,0.556], df[0.629,0.156], g[1.640,0.124]
1/1 [=====] - 0s 82ms/step
>1513, dr[0.447,0.638], df[0.331,0.063], g[1.788,0.091]
1/1 [=====] - 0s 81ms/step
>1514, dr[0.451,0.734], df[0.457,0.068], g[1.856,0.120]
1/1 [=====] - 0s 84ms/step
>1515, dr[0.503,0.914], df[0.580,0.102], g[1.981,0.060]
1/1 [=====] - 0s 85ms/step
>1516, dr[0.431,1.058], df[0.539,0.074], g[1.977,0.059]
1/1 [=====] - 0s 84ms/step
>1517, dr[0.359,0.494], df[0.291,0.101], g[2.131,0.101]
1/1 [=====] - 0s 78ms/step
>1518, dr[0.477,0.470], df[0.465,0.123], g[1.687,0.181]
1/1 [=====] - 0s 86ms/step
>1519, dr[0.549,0.425], df[0.481,0.160], g[1.718,0.124]
1/1 [=====] - 0s 86ms/step
>1520, dr[0.230,0.325], df[0.308,0.080], g[1.945,0.110]
1/1 [=====] - 0s 86ms/step
>1521, dr[0.477,1.054], df[0.385,0.062], g[1.955,0.100]
1/1 [=====] - 0s 88ms/step
>1522, dr[0.307,0.665], df[0.436,0.086], g[1.893,0.160]
1/1 [=====] - 0s 80ms/step
>1523, dr[0.465,0.646], df[0.574,0.317], g[1.985,0.169]
1/1 [=====] - 0s 90ms/step
>1524, dr[0.424,0.922], df[0.344,0.197], g[1.992,0.099]
1/1 [=====] - 0s 81ms/step
>1525, dr[0.333,0.353], df[0.592,0.268], g[2.175,0.064]
1/1 [=====] - 0s 82ms/step
>1526, dr[0.535,0.824], df[0.199,0.074], g[2.062,0.107]
1/1 [=====] - 0s 87ms/step
>1527, dr[0.549,1.110], df[0.445,0.264], g[1.625,0.141]
1/1 [=====] - 0s 84ms/step
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>1528, dr[0.366,0.472], df[0.321,0.140], g[1.763,0.105]
1/1 [=====] - 0s 87ms/step
>1529, dr[0.445,1.190], df[0.875,0.201], g[2.096,0.090]
1/1 [=====] - 0s 84ms/step
>1530, dr[0.430,0.419], df[0.352,0.069], g[2.177,0.087]
1/1 [=====] - 0s 86ms/step
>1531, dr[0.552,0.426], df[0.496,0.087], g[1.896,0.123]
1/1 [=====] - 0s 87ms/step
>1532, dr[0.400,0.593], df[0.286,0.069], g[1.608,0.052]
1/1 [=====] - 0s 87ms/step
>1533, dr[0.325,0.404], df[0.737,0.106], g[1.934,0.079]
1/1 [=====] - 0s 86ms/step
>1534, dr[0.370,0.650], df[0.395,0.025], g[2.392,0.090]
1/1 [=====] - 0s 92ms/step
>1535, dr[0.594,1.034], df[0.375,0.067], g[1.812,0.117]
1/1 [=====] - 0s 86ms/step
>1536, dr[0.552,1.077], df[0.522,0.094], g[1.651,0.130]
1/1 [=====] - 0s 82ms/step
>1537, dr[0.373,0.347], df[0.633,0.087], g[1.825,0.058]
1/1 [=====] - 0s 80ms/step
>1538, dr[0.272,0.717], df[0.592,0.030], g[1.768,0.052]
1/1 [=====] - 0s 88ms/step
>1539, dr[0.538,0.503], df[0.331,0.121], g[1.875,0.108]
1/1 [=====] - 0s 84ms/step
>1540, dr[0.632,0.687], df[0.466,0.066], g[1.471,0.111]
1/1 [=====] - 0s 82ms/step
>1541, dr[0.413,0.538], df[0.391,0.086], g[1.836,0.116]
1/1 [=====] - 0s 90ms/step
>1542, dr[0.425,0.824], df[0.772,0.198], g[1.716,0.189]
1/1 [=====] - 0s 90ms/step
>1543, dr[0.323,0.561], df[0.352,0.046], g[2.199,0.131]
1/1 [=====] - 0s 84ms/step
>1544, dr[0.293,0.961], df[0.417,0.178], g[2.434,0.097]
1/1 [=====] - 0s 90ms/step
>1545, dr[0.695,0.764], df[0.521,0.148], g[2.332,0.072]
1/1 [=====] - 0s 86ms/step
>1546, dr[0.552,0.872], df[0.430,0.174], g[2.120,0.155]
1/1 [=====] - 0s 86ms/step
>1547, dr[0.409,0.685], df[0.212,0.059], g[1.935,0.139]
1/1 [=====] - 0s 87ms/step
>1548, dr[0.267,0.620], df[0.311,0.119], g[2.074,0.153]
1/1 [=====] - 0s 83ms/step
>1549, dr[0.571,0.990], df[0.791,0.168], g[2.050,0.156]
1/1 [=====] - 0s 81ms/step
>1550, dr[0.445,0.614], df[0.241,0.063], g[2.097,0.144]
1/1 [=====] - 0s 95ms/step
>1551, dr[0.627,0.835], df[0.399,0.049], g[1.543,0.094]
1/1 [=====] - 0s 83ms/step
>1552, dr[0.323,1.298], df[0.733,0.140], g[1.627,0.190]
1/1 [=====] - 0s 85ms/step
>1553, dr[0.438,0.425], df[0.539,0.119], g[1.902,0.086]
1/1 [=====] - 0s 84ms/step
>1554, dr[0.315,0.739], df[0.383,0.117], g[1.967,0.148]
1/1 [=====] - 0s 84ms/step
>1555, dr[0.573,0.790], df[0.317,0.082], g[1.874,0.049]
1/1 [=====] - 0s 81ms/step
>1556, dr[0.466,0.698], df[0.453,0.166], g[1.552,0.117]
1/1 [=====] - 0s 90ms/step
>1557, dr[0.489,1.067], df[0.338,0.064], g[1.696,0.060]
1/1 [=====] - 0s 94ms/step
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>1558, dr[0.265,0.799], df[0.879,0.172], g[1.797,0.172]
1/1 [=====] - 0s 84ms/step
>1559, dr[0.500,1.160], df[0.431,0.080], g[1.903,0.077]
1/1 [=====] - 0s 87ms/step
>1560, dr[0.645,0.572], df[0.375,0.064], g[1.582,0.147]
1/1 [=====] - 0s 91ms/step
>1561, dr[0.329,0.930], df[0.692,0.033], g[2.169,0.053]
1/1 [=====] - 0s 85ms/step
>1562, dr[0.882,0.846], df[0.487,0.166], g[1.895,0.143]
1/1 [=====] - 0s 87ms/step
>1563, dr[0.268,0.863], df[0.446,0.172], g[1.862,0.070]
1/1 [=====] - 0s 88ms/step
>1564, dr[0.470,0.864], df[0.451,0.050], g[1.794,0.110]
1/1 [=====] - 0s 94ms/step
>1565, dr[0.295,0.582], df[0.409,0.055], g[2.042,0.198]
1/1 [=====] - 0s 87ms/step
>1566, dr[0.440,0.371], df[0.350,0.149], g[2.108,0.167]
1/1 [=====] - 0s 88ms/step
>1567, dr[0.377,0.453], df[0.408,0.182], g[1.832,0.171]
1/1 [=====] - 0s 89ms/step
>1568, dr[0.446,0.972], df[0.494,0.065], g[2.200,0.096]
1/1 [=====] - 0s 88ms/step
>1569, dr[0.399,0.510], df[0.597,0.085], g[2.131,0.114]
1/1 [=====] - 0s 89ms/step
>1570, dr[0.544,0.553], df[0.487,0.099], g[2.070,0.126]
1/1 [=====] - 0s 92ms/step
>1571, dr[0.601,0.552], df[0.408,0.115], g[2.020,0.070]
1/1 [=====] - 0s 87ms/step
>1572, dr[0.304,0.488], df[0.361,0.085], g[2.114,0.224]
1/1 [=====] - 0s 84ms/step
>1573, dr[0.428,0.718], df[0.325,0.026], g[2.278,0.104]
1/1 [=====] - 0s 84ms/step
>1574, dr[0.449,0.825], df[0.348,0.085], g[1.490,0.109]
1/1 [=====] - 0s 87ms/step
>1575, dr[0.643,0.591], df[0.754,0.055], g[1.697,0.039]
1/1 [=====] - 0s 99ms/step
>1576, dr[0.330,0.513], df[0.589,0.130], g[1.876,0.128]
1/1 [=====] - 0s 86ms/step
>1577, dr[0.364,0.552], df[0.534,0.077], g[2.360,0.054]
1/1 [=====] - 0s 100ms/step
>1578, dr[0.559,1.086], df[0.412,0.246], g[1.951,0.080]
1/1 [=====] - 0s 98ms/step
>1579, dr[0.465,0.857], df[0.405,0.108], g[1.685,0.198]
1/1 [=====] - 0s 84ms/step
>1580, dr[0.431,0.755], df[0.595,0.035], g[1.705,0.054]
1/1 [=====] - 0s 88ms/step
>1581, dr[0.333,0.389], df[0.406,0.045], g[2.407,0.191]
1/1 [=====] - 0s 82ms/step
>1582, dr[0.448,0.813], df[0.387,0.135], g[2.452,0.070]
1/1 [=====] - 0s 85ms/step
>1583, dr[0.473,0.968], df[0.329,0.168], g[1.860,0.082]
1/1 [=====] - 0s 90ms/step
>1584, dr[0.359,0.324], df[0.708,0.127], g[1.695,0.123]
1/1 [=====] - 0s 95ms/step
>1585, dr[0.358,0.588], df[0.437,0.144], g[1.805,0.186]
1/1 [=====] - 0s 89ms/step
>1586, dr[0.393,0.842], df[0.466,0.060], g[2.186,0.117]
1/1 [=====] - 0s 91ms/step
>1587, dr[0.537,0.739], df[0.395,0.072], g[2.069,0.033]
1/1 [=====] - 0s 99ms/step
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>1588, dr[0.464,0.880], df[0.413,0.164], g[1.749,0.089]
1/1 [=====] - 0s 85ms/step
>1589, dr[0.378,0.960], df[0.350,0.058], g[1.687,0.116]
1/1 [=====] - 0s 95ms/step
>1590, dr[0.372,1.351], df[0.468,0.105], g[1.676,0.119]
1/1 [=====] - 0s 89ms/step
>1591, dr[0.453,0.744], df[0.658,0.181], g[1.626,0.182]
1/1 [=====] - 0s 93ms/step
>1592, dr[0.259,0.860], df[0.475,0.117], g[2.197,0.052]
1/1 [=====] - 0s 86ms/step
>1593, dr[0.631,0.452], df[0.274,0.092], g[1.975,0.108]
1/1 [=====] - 0s 88ms/step
>1594, dr[0.393,0.592], df[0.344,0.375], g[1.695,0.062]
1/1 [=====] - 0s 88ms/step
>1595, dr[0.406,0.522], df[0.722,0.159], g[1.644,0.113]
1/1 [=====] - 0s 99ms/step
>1596, dr[0.520,0.846], df[0.562,0.059], g[1.912,0.069]
1/1 [=====] - 0s 126ms/step
>1597, dr[0.884,0.632], df[0.643,0.095], g[1.814,0.087]
1/1 [=====] - 0s 89ms/step
>1598, dr[0.427,0.696], df[0.515,0.094], g[1.979,0.076]
1/1 [=====] - 0s 85ms/step
>1599, dr[0.453,0.614], df[0.507,0.160], g[2.049,0.157]
1/1 [=====] - 0s 83ms/step
>1600, dr[0.727,0.815], df[0.700,0.064], g[1.955,0.067]
1/1 [=====] - 0s 97ms/step
>1601, dr[0.362,1.045], df[0.254,0.136], g[1.891,0.099]
1/1 [=====] - 0s 91ms/step
>1602, dr[0.712,1.164], df[0.648,0.172], g[1.608,0.099]
1/1 [=====] - 0s 93ms/step
>1603, dr[0.450,0.819], df[0.606,0.189], g[2.022,0.075]
1/1 [=====] - 0s 85ms/step
>1604, dr[0.330,0.732], df[0.471,0.116], g[2.435,0.200]
1/1 [=====] - 0s 84ms/step
>1605, dr[0.599,0.657], df[0.377,0.098], g[2.309,0.075]
1/1 [=====] - 0s 88ms/step
>1606, dr[0.489,0.489], df[0.715,0.078], g[2.273,0.148]
1/1 [=====] - 0s 91ms/step
>1607, dr[0.565,0.580], df[0.473,0.037], g[1.838,0.120]
1/1 [=====] - 0s 83ms/step
>1608, dr[0.404,0.848], df[0.384,0.110], g[2.331,0.224]
1/1 [=====] - 0s 90ms/step
>1609, dr[0.718,1.252], df[0.339,0.083], g[1.745,0.120]
1/1 [=====] - 0s 86ms/step
>1610, dr[0.389,0.736], df[0.530,0.098], g[2.169,0.144]
1/1 [=====] - 0s 95ms/step
>1611, dr[0.283,0.731], df[0.426,0.157], g[2.249,0.064]
1/1 [=====] - 0s 88ms/step
>1612, dr[0.359,0.425], df[0.267,0.165], g[2.320,0.101]
1/1 [=====] - 0s 90ms/step
>1613, dr[0.338,1.164], df[0.546,0.166], g[2.223,0.133]
1/1 [=====] - 0s 86ms/step
>1614, dr[0.476,0.298], df[0.481,0.153], g[2.056,0.071]
1/1 [=====] - 0s 82ms/step
>1615, dr[0.445,0.536], df[0.428,0.073], g[2.492,0.062]
1/1 [=====] - 0s 81ms/step
>1616, dr[0.378,0.533], df[0.470,0.075], g[2.378,0.110]
1/1 [=====] - 0s 85ms/step
>1617, dr[0.542,0.667], df[0.262,0.170], g[1.802,0.151]
1/1 [=====] - 0s 86ms/step
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>1618, dr[0.430,0.649], df[0.444,0.219], g[1.699,0.184]
1/1 [=====] - 0s 79ms/step
>1619, dr[0.336,0.590], df[0.305,0.094], g[1.738,0.103]
1/1 [=====] - 0s 88ms/step
>1620, dr[0.340,0.557], df[0.517,0.141], g[1.918,0.048]
1/1 [=====] - 0s 86ms/step
>1621, dr[0.481,0.471], df[0.472,0.176], g[1.742,0.157]
1/1 [=====] - 0s 84ms/step
>1622, dr[0.372,0.444], df[0.413,0.083], g[1.645,0.155]
1/1 [=====] - 0s 86ms/step
>1623, dr[0.318,1.228], df[0.489,0.206], g[1.953,0.127]
1/1 [=====] - 0s 84ms/step
>1624, dr[0.392,0.409], df[0.387,0.187], g[2.359,0.066]
1/1 [=====] - 0s 88ms/step
>1625, dr[0.742,0.697], df[0.454,0.060], g[1.933,0.098]
1/1 [=====] - 0s 85ms/step
>1626, dr[0.425,0.577], df[0.412,0.068], g[2.037,0.096]
1/1 [=====] - 0s 93ms/step
>1627, dr[0.307,0.418], df[0.480,0.097], g[2.122,0.099]
1/1 [=====] - 0s 84ms/step
>1628, dr[0.283,0.390], df[0.369,0.093], g[2.222,0.141]
1/1 [=====] - 0s 93ms/step
>1629, dr[0.568,0.605], df[0.493,0.211], g[1.903,0.069]
1/1 [=====] - 0s 90ms/step
>1630, dr[0.404,0.674], df[0.496,0.059], g[2.060,0.181]
1/1 [=====] - 0s 85ms/step
>1631, dr[0.527,0.802], df[0.387,0.080], g[1.992,0.129]
1/1 [=====] - 0s 93ms/step
>1632, dr[0.541,0.619], df[0.675,0.061], g[1.822,0.130]
1/1 [=====] - 0s 88ms/step
>1633, dr[0.377,0.428], df[0.552,0.411], g[2.129,0.103]
1/1 [=====] - 0s 88ms/step
>1634, dr[0.473,0.301], df[0.304,0.064], g[1.908,0.093]
1/1 [=====] - 0s 93ms/step
>1635, dr[0.616,0.378], df[0.536,0.252], g[1.911,0.107]
1/1 [=====] - 0s 84ms/step
>1636, dr[0.502,0.535], df[0.379,0.076], g[1.829,0.068]
1/1 [=====] - 0s 89ms/step
>1637, dr[0.276,0.399], df[0.382,0.269], g[1.840,0.155]
1/1 [=====] - 0s 89ms/step
>1638, dr[0.376,0.653], df[0.487,0.126], g[2.079,0.109]
1/1 [=====] - 0s 89ms/step
>1639, dr[0.712,0.974], df[0.508,0.113], g[1.382,0.103]
1/1 [=====] - 0s 91ms/step
>1640, dr[0.285,0.827], df[0.433,0.100], g[1.976,0.090]
1/1 [=====] - 0s 92ms/step
>1641, dr[0.350,0.412], df[0.413,0.099], g[1.789,0.028]
1/1 [=====] - 0s 105ms/step
>1642, dr[0.352,0.491], df[0.585,0.111], g[2.439,0.075]
1/1 [=====] - 0s 105ms/step
>1643, dr[0.504,0.622], df[0.418,0.150], g[2.076,0.102]
1/1 [=====] - 0s 82ms/step
>1644, dr[0.363,1.023], df[0.493,0.090], g[1.879,0.090]
1/1 [=====] - 0s 87ms/step
>1645, dr[0.331,0.247], df[0.345,0.316], g[1.968,0.116]
1/1 [=====] - 0s 88ms/step
>1646, dr[0.493,0.447], df[0.334,0.044], g[1.634,0.097]
1/1 [=====] - 0s 88ms/step
>1647, dr[0.523,0.541], df[0.515,0.099], g[1.530,0.076]
1/1 [=====] - 0s 80ms/step
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>1648, dr[0.353,0.437], df[0.441,0.094], g[1.663,0.153]
1/1 [=====] - 0s 86ms/step
>1649, dr[0.349,0.707], df[0.574,0.086], g[1.826,0.072]
1/1 [=====] - 0s 81ms/step
>1650, dr[0.427,0.537], df[0.612,0.061], g[2.089,0.043]
1/1 [=====] - 0s 86ms/step
>1651, dr[0.293,0.720], df[0.429,0.342], g[2.445,0.085]
1/1 [=====] - 0s 82ms/step
>1652, dr[0.589,0.498], df[0.376,0.089], g[2.027,0.130]
1/1 [=====] - 0s 83ms/step
>1653, dr[0.393,0.655], df[0.377,0.104], g[2.016,0.108]
1/1 [=====] - 0s 83ms/step
>1654, dr[0.630,0.870], df[0.566,0.075], g[1.772,0.100]
1/1 [=====] - 0s 87ms/step
>1655, dr[0.223,0.486], df[0.496,0.133], g[2.240,0.106]
1/1 [=====] - 0s 85ms/step
>1656, dr[0.520,0.707], df[0.553,0.075], g[1.944,0.178]
1/1 [=====] - 0s 75ms/step
>1657, dr[0.444,0.894], df[0.305,0.281], g[1.802,0.180]
1/1 [=====] - 0s 98ms/step
>1658, dr[0.274,1.099], df[0.367,0.128], g[1.643,0.117]
1/1 [=====] - 0s 87ms/step
>1659, dr[0.388,0.275], df[0.316,0.079], g[1.303,0.171]
1/1 [=====] - 0s 83ms/step
>1660, dr[0.382,0.624], df[0.522,0.088], g[1.563,0.254]
1/1 [=====] - 0s 85ms/step
>1661, dr[0.442,0.703], df[0.353,0.048], g[1.407,0.045]
1/1 [=====] - 0s 74ms/step
>1662, dr[0.269,0.712], df[0.498,0.146], g[1.816,0.133]
1/1 [=====] - 0s 83ms/step
>1663, dr[0.421,0.760], df[0.353,0.328], g[2.011,0.067]
1/1 [=====] - 0s 86ms/step
>1664, dr[0.396,0.597], df[0.375,0.049], g[1.675,0.210]
1/1 [=====] - 0s 86ms/step
>1665, dr[0.345,0.637], df[0.224,0.072], g[1.730,0.118]
1/1 [=====] - 0s 80ms/step
>1666, dr[0.354,0.667], df[0.473,0.119], g[1.890,0.060]
1/1 [=====] - 0s 76ms/step
>1667, dr[0.581,0.568], df[0.566,0.166], g[2.203,0.112]
1/1 [=====] - 0s 79ms/step
>1668, dr[0.336,0.654], df[0.491,0.087], g[2.609,0.109]
1/1 [=====] - 0s 84ms/step
>1669, dr[0.417,0.490], df[0.300,0.046], g[2.094,0.131]
1/1 [=====] - 0s 79ms/step
>1670, dr[0.471,0.321], df[0.467,0.070], g[2.103,0.107]
1/1 [=====] - 0s 84ms/step
>1671, dr[0.642,0.794], df[0.481,0.035], g[1.732,0.060]
1/1 [=====] - 0s 88ms/step
>1672, dr[0.333,0.603], df[0.402,0.040], g[2.038,0.166]
1/1 [=====] - 0s 90ms/step
>1673, dr[0.374,1.303], df[0.389,0.054], g[2.406,0.115]
1/1 [=====] - 0s 82ms/step
>1674, dr[0.575,1.185], df[0.397,0.147], g[1.877,0.170]
1/1 [=====] - 0s 82ms/step
>1675, dr[0.292,0.755], df[0.637,0.128], g[2.009,0.230]
1/1 [=====] - 0s 84ms/step
>1676, dr[0.387,0.548], df[0.451,0.065], g[2.381,0.101]
1/1 [=====] - 0s 74ms/step
>1677, dr[0.492,0.531], df[0.356,0.134], g[2.338,0.147]
1/1 [=====] - 0s 85ms/step
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>1678, dr[0.445,0.913], df[0.440,0.133], g[2.080,0.088]
1/1 [=====] - 0s 81ms/step
>1679, dr[0.282,0.540], df[0.227,0.180], g[1.653,0.084]
1/1 [=====] - 0s 90ms/step
>1680, dr[0.367,0.598], df[0.240,0.061], g[1.830,0.105]
1/1 [=====] - 0s 86ms/step
>1681, dr[0.373,0.537], df[0.601,0.143], g[2.155,0.108]
1/1 [=====] - 0s 74ms/step
>1682, dr[0.245,0.588], df[0.347,0.178], g[1.993,0.075]
1/1 [=====] - 0s 81ms/step
>1683, dr[0.363,0.444], df[0.353,0.111], g[2.134,0.062]
1/1 [=====] - 0s 82ms/step
>1684, dr[0.410,0.417], df[0.447,0.052], g[1.817,0.128]
1/1 [=====] - 0s 80ms/step
>1685, dr[0.492,0.269], df[0.295,0.039], g[1.665,0.171]
1/1 [=====] - 0s 82ms/step
>1686, dr[0.476,1.172], df[0.726,0.196], g[2.128,0.064]
1/1 [=====] - 0s 79ms/step
>1687, dr[0.312,0.906], df[0.295,0.152], g[1.933,0.125]
1/1 [=====] - 0s 80ms/step
>1688, dr[0.448,1.155], df[0.539,0.111], g[1.877,0.099]
1/1 [=====] - 0s 86ms/step
>1689, dr[0.361,0.593], df[0.375,0.072], g[2.329,0.116]
1/1 [=====] - 0s 95ms/step
>1690, dr[0.590,0.847], df[0.420,0.054], g[1.712,0.110]
1/1 [=====] - 0s 90ms/step
>1691, dr[0.214,0.553], df[0.596,0.109], g[2.117,0.096]
1/1 [=====] - 0s 75ms/step
>1692, dr[0.398,1.273], df[0.441,0.085], g[2.073,0.108]
1/1 [=====] - 0s 83ms/step
>1693, dr[0.376,0.636], df[0.242,0.088], g[1.871,0.086]
1/1 [=====] - 0s 83ms/step
>1694, dr[0.433,0.364], df[0.432,0.087], g[1.788,0.154]
1/1 [=====] - 0s 83ms/step
>1695, dr[0.332,0.178], df[0.715,0.052], g[2.010,0.111]
1/1 [=====] - 0s 82ms/step
>1696, dr[0.434,0.599], df[0.336,0.067], g[2.460,0.083]
1/1 [=====] - 0s 74ms/step
>1697, dr[0.543,0.630], df[0.413,0.197], g[2.087,0.174]
1/1 [=====] - 0s 79ms/step
>1698, dr[0.380,0.892], df[0.488,0.097], g[1.943,0.126]
1/1 [=====] - 0s 79ms/step
>1699, dr[0.576,0.584], df[0.318,0.129], g[1.844,0.185]
1/1 [=====] - 0s 84ms/step
>1700, dr[0.395,0.621], df[0.405,0.168], g[2.230,0.096]
1/1 [=====] - 0s 87ms/step
>1701, dr[0.890,0.760], df[0.556,0.174], g[1.439,0.155]
1/1 [=====] - 0s 84ms/step
>1702, dr[0.259,0.713], df[0.682,0.129], g[1.743,0.111]
1/1 [=====] - 0s 90ms/step
>1703, dr[0.411,0.891], df[0.306,0.139], g[1.928,0.092]
1/1 [=====] - 0s 81ms/step
>1704, dr[0.358,0.433], df[0.478,0.131], g[2.388,0.226]
1/1 [=====] - 0s 78ms/step
>1705, dr[0.285,0.794], df[0.367,0.295], g[2.378,0.055]
1/1 [=====] - 0s 82ms/step
>1706, dr[0.621,0.751], df[0.596,0.152], g[2.329,0.075]
1/1 [=====] - 0s 79ms/step
>1707, dr[0.864,0.440], df[0.737,0.165], g[1.685,0.082]
1/1 [=====] - 0s 84ms/step
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>1708, dr[0.415,0.210], df[0.575,0.086], g[1.709,0.076]
1/1 [=====] - 0s 83ms/step
>1709, dr[0.291,0.324], df[0.363,0.086], g[1.958,0.097]
1/1 [=====] - 0s 79ms/step
>1710, dr[0.342,0.465], df[0.327,0.119], g[1.845,0.155]
1/1 [=====] - 0s 78ms/step
>1711, dr[0.251,0.538], df[0.681,0.198], g[2.265,0.079]
1/1 [=====] - 0s 83ms/step
>1712, dr[0.728,0.446], df[0.420,0.085], g[1.674,0.128]
1/1 [=====] - 0s 77ms/step
>1713, dr[0.579,0.402], df[0.718,0.128], g[1.960,0.072]
1/1 [=====] - 0s 121ms/step
>1714, dr[0.311,0.515], df[0.349,0.111], g[1.713,0.136]
1/1 [=====] - 0s 82ms/step
>1715, dr[0.240,0.712], df[0.381,0.095], g[2.126,0.069]
1/1 [=====] - 0s 75ms/step
>1716, dr[0.369,0.629], df[0.358,0.048], g[2.344,0.151]
1/1 [=====] - 0s 87ms/step
>1717, dr[0.491,0.482], df[0.291,0.254], g[2.093,0.094]
1/1 [=====] - 0s 84ms/step
>1718, dr[0.311,0.646], df[0.459,0.196], g[1.938,0.087]
1/1 [=====] - 0s 81ms/step
>1719, dr[0.451,0.739], df[0.422,0.079], g[2.557,0.135]
1/1 [=====] - 0s 79ms/step
>1720, dr[0.466,0.645], df[0.382,0.130], g[2.124,0.097]
1/1 [=====] - 0s 78ms/step
>1721, dr[0.436,0.741], df[0.598,0.098], g[2.172,0.259]
1/1 [=====] - 0s 83ms/step
>1722, dr[0.430,0.871], df[0.320,0.186], g[1.875,0.061]
1/1 [=====] - 0s 74ms/step
>1723, dr[0.661,0.442], df[0.483,0.100], g[1.877,0.147]
1/1 [=====] - 0s 85ms/step
>1724, dr[0.427,0.864], df[0.481,0.190], g[1.822,0.177]
1/1 [=====] - 0s 74ms/step
>1725, dr[0.457,1.014], df[0.724,0.215], g[2.212,0.075]
1/1 [=====] - 0s 90ms/step
>1726, dr[0.524,0.555], df[0.318,0.149], g[2.020,0.136]
1/1 [=====] - 0s 82ms/step
>1727, dr[0.328,0.565], df[0.385,0.148], g[2.329,0.075]
1/1 [=====] - 0s 90ms/step
>1728, dr[0.908,0.838], df[0.457,0.079], g[1.710,0.165]
1/1 [=====] - 0s 85ms/step
>1729, dr[0.372,0.711], df[0.606,0.038], g[1.996,0.134]
1/1 [=====] - 0s 82ms/step
>1730, dr[0.172,0.361], df[0.230,0.123], g[1.847,0.054]
1/1 [=====] - 0s 98ms/step
>1731, dr[0.486,0.241], df[0.592,0.088], g[1.724,0.061]
1/1 [=====] - 0s 89ms/step
>1732, dr[0.337,0.329], df[0.524,0.195], g[2.386,0.079]
1/1 [=====] - 0s 84ms/step
>1733, dr[0.610,0.597], df[0.336,0.177], g[1.728,0.069]
1/1 [=====] - 0s 159ms/step
>1734, dr[0.572,0.533], df[0.366,0.125], g[1.630,0.167]
1/1 [=====] - 0s 137ms/step
>1735, dr[0.305,0.422], df[0.572,0.046], g[1.777,0.161]
1/1 [=====] - 0s 100ms/step
>1736, dr[0.322,0.401], df[0.575,0.081], g[2.399,0.114]
1/1 [=====] - 0s 85ms/step
>1737, dr[0.699,0.556], df[0.519,0.218], g[1.554,0.151]
1/1 [=====] - 0s 141ms/step
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>1738, dr[0.268,0.786], df[0.546,0.167], g[1.839,0.090]
1/1 [=====] - 0s 113ms/step
>1739, dr[0.523,0.872], df[0.263,0.077], g[1.712,0.093]
1/1 [=====] - 0s 94ms/step
>1740, dr[0.165,0.577], df[0.493,0.145], g[1.689,0.047]
1/1 [=====] - 0s 90ms/step
>1741, dr[0.492,0.500], df[0.300,0.121], g[1.644,0.096]
1/1 [=====] - 0s 91ms/step
>1742, dr[0.457,0.930], df[0.724,0.106], g[1.734,0.095]
1/1 [=====] - 0s 118ms/step
>1743, dr[0.382,0.884], df[0.299,0.190], g[1.703,0.048]
1/1 [=====] - 0s 87ms/step
>1744, dr[0.443,0.526], df[0.418,0.108], g[1.936,0.105]
1/1 [=====] - 0s 78ms/step
>1745, dr[0.763,0.603], df[0.825,0.113], g[1.553,0.113]
1/1 [=====] - 0s 80ms/step
>1746, dr[0.327,0.820], df[0.367,0.041], g[2.175,0.071]
1/1 [=====] - 0s 81ms/step
>1747, dr[0.489,0.550], df[0.437,0.082], g[1.498,0.060]
1/1 [=====] - 0s 92ms/step
>1748, dr[0.496,0.778], df[0.590,0.050], g[1.710,0.115]
1/1 [=====] - 0s 82ms/step
>1749, dr[0.270,0.530], df[0.559,0.129], g[2.486,0.137]
1/1 [=====] - 0s 82ms/step
>1750, dr[0.455,0.603], df[0.282,0.093], g[2.172,0.137]
1/1 [=====] - 0s 73ms/step
>1751, dr[0.633,0.551], df[0.355,0.096], g[1.848,0.252]
1/1 [=====] - 0s 76ms/step
>1752, dr[0.352,0.524], df[0.479,0.119], g[1.598,0.189]
1/1 [=====] - 0s 81ms/step
>1753, dr[0.423,0.674], df[0.435,0.152], g[1.977,0.127]
1/1 [=====] - 0s 79ms/step
>1754, dr[0.354,0.790], df[0.344,0.068], g[2.058,0.088]
1/1 [=====] - 0s 87ms/step
>1755, dr[0.570,0.376], df[0.397,0.111], g[1.320,0.154]
1/1 [=====] - 0s 80ms/step
>1756, dr[0.257,0.712], df[0.582,0.182], g[1.604,0.167]
1/1 [=====] - 0s 94ms/step
>1757, dr[0.268,0.245], df[0.322,0.063], g[1.796,0.152]
1/1 [=====] - 0s 77ms/step
>1758, dr[0.286,0.846], df[0.295,0.111], g[1.993,0.108]
1/1 [=====] - 0s 111ms/step
>1759, dr[0.886,0.684], df[0.363,0.067], g[1.475,0.080]
1/1 [=====] - 0s 81ms/step
>1760, dr[0.247,0.660], df[0.755,0.206], g[1.494,0.162]
1/1 [=====] - 0s 83ms/step
>1761, dr[0.186,1.206], df[0.189,0.120], g[2.006,0.105]
1/1 [=====] - 0s 84ms/step
>1762, dr[0.655,0.515], df[0.623,0.158], g[1.787,0.118]
1/1 [=====] - 0s 93ms/step
>1763, dr[0.444,0.382], df[0.382,0.054], g[1.950,0.112]
1/1 [=====] - 0s 101ms/step
>1764, dr[0.449,1.023], df[0.593,0.172], g[1.745,0.081]
1/1 [=====] - 0s 93ms/step
>1765, dr[0.270,0.536], df[0.363,0.038], g[2.156,0.270]
1/1 [=====] - 0s 105ms/step
>1766, dr[0.723,0.561], df[0.204,0.052], g[1.359,0.126]
1/1 [=====] - 0s 90ms/step
>1767, dr[0.342,0.446], df[0.489,0.121], g[1.370,0.116]
1/1 [=====] - 0s 89ms/step
```

```
>1768, dr[0.362,0.723], df[0.577,0.053], g[1.513,0.104]
1/1 [=====] - 0s 104ms/step
>1769, dr[0.356,0.410], df[0.286,0.049], g[1.749,0.109]
1/1 [=====] - 0s 89ms/step
>1770, dr[0.407,0.690], df[0.429,0.095], g[2.039,0.145]
1/1 [=====] - 0s 79ms/step
>1771, dr[0.693,0.585], df[0.398,0.048], g[1.579,0.166]
1/1 [=====] - 0s 80ms/step
>1772, dr[0.263,0.576], df[0.450,0.052], g[1.751,0.100]
1/1 [=====] - 0s 82ms/step
>1773, dr[0.166,0.584], df[0.466,0.303], g[2.325,0.120]
1/1 [=====] - 0s 79ms/step
>1774, dr[0.778,0.912], df[0.781,0.145], g[2.226,0.102]
1/1 [=====] - 0s 98ms/step
>1775, dr[0.810,0.422], df[0.748,0.156], g[1.629,0.099]
1/1 [=====] - 0s 88ms/step
>1776, dr[0.447,0.717], df[0.623,0.066], g[2.189,0.156]
1/1 [=====] - 0s 85ms/step
>1777, dr[0.316,0.689], df[0.373,0.070], g[2.118,0.078]
1/1 [=====] - 0s 83ms/step
>1778, dr[0.541,0.863], df[0.454,0.101], g[1.827,0.094]
1/1 [=====] - 0s 81ms/step
>1779, dr[0.360,0.474], df[0.482,0.133], g[1.885,0.096]
1/1 [=====] - 0s 79ms/step
>1780, dr[0.371,0.872], df[0.449,0.147], g[1.943,0.147]
1/1 [=====] - 0s 74ms/step
>1781, dr[0.404,1.068], df[0.497,0.100], g[1.935,0.295]
1/1 [=====] - 0s 86ms/step
>1782, dr[0.341,0.436], df[0.535,0.075], g[2.336,0.235]
1/1 [=====] - 0s 90ms/step
>1783, dr[0.511,0.607], df[0.371,0.062], g[2.468,0.205]
1/1 [=====] - 0s 91ms/step
>1784, dr[0.734,0.930], df[0.340,0.116], g[1.835,0.143]
1/1 [=====] - 0s 84ms/step
>1785, dr[0.447,0.713], df[0.772,0.089], g[2.021,0.176]
1/1 [=====] - 0s 84ms/step
>1786, dr[0.337,1.022], df[0.380,0.092], g[2.048,0.134]
1/1 [=====] - 0s 85ms/step
>1787, dr[0.735,0.677], df[0.481,0.122], g[1.755,0.231]
1/1 [=====] - 0s 86ms/step
>1788, dr[0.326,0.548], df[0.441,0.102], g[1.799,0.129]
1/1 [=====] - 0s 83ms/step
>1789, dr[0.469,0.433], df[0.503,0.083], g[1.968,0.071]
1/1 [=====] - 0s 81ms/step
>1790, dr[0.435,0.372], df[0.639,0.092], g[1.867,0.159]
1/1 [=====] - 0s 81ms/step
>1791, dr[0.487,1.164], df[0.314,0.080], g[1.895,0.178]
1/1 [=====] - 0s 83ms/step
>1792, dr[0.512,0.825], df[0.231,0.113], g[1.703,0.182]
1/1 [=====] - 0s 91ms/step
>1793, dr[0.298,1.042], df[0.344,0.067], g[1.175,0.123]
1/1 [=====] - 0s 83ms/step
>1794, dr[0.213,1.282], df[0.917,0.171], g[1.491,0.128]
1/1 [=====] - 0s 88ms/step
>1795, dr[0.625,0.663], df[0.416,0.084], g[1.877,0.145]
1/1 [=====] - 0s 74ms/step
>1796, dr[0.677,0.798], df[0.380,0.070], g[1.756,0.121]
1/1 [=====] - 0s 82ms/step
>1797, dr[0.421,0.471], df[0.415,0.208], g[1.422,0.134]
1/1 [=====] - 0s 85ms/step
```

```
>1798, dr[0.486,1.267], df[0.747,0.338], g[1.668,0.104]
1/1 [=====] - 0s 87ms/step
>1799, dr[0.345,0.690], df[0.378,0.062], g[2.036,0.103]
1/1 [=====] - 0s 77ms/step
>1800, dr[0.625,0.504], df[0.310,0.054], g[1.523,0.155]
1/1 [=====] - 0s 78ms/step
>1801, dr[0.445,0.468], df[0.642,0.055], g[1.499,0.140]
1/1 [=====] - 0s 80ms/step
>1802, dr[0.265,0.339], df[0.394,0.107], g[1.945,0.189]
1/1 [=====] - 0s 79ms/step
>1803, dr[0.746,0.711], df[0.578,0.098], g[1.733,0.122]
1/1 [=====] - 0s 83ms/step
>1804, dr[0.591,0.489], df[0.429,0.047], g[1.642,0.116]
1/1 [=====] - 0s 87ms/step
>1805, dr[0.233,1.371], df[0.458,0.206], g[1.944,0.115]
1/1 [=====] - 0s 95ms/step
>1806, dr[0.435,0.941], df[0.477,0.106], g[1.967,0.124]
1/1 [=====] - 0s 86ms/step
>1807, dr[0.456,0.589], df[0.703,0.093], g[1.967,0.186]
1/1 [=====] - 0s 81ms/step
>1808, dr[0.526,0.352], df[0.313,0.162], g[2.066,0.187]
1/1 [=====] - 0s 82ms/step
>1809, dr[0.319,0.549], df[0.451,0.083], g[1.410,0.277]
1/1 [=====] - 0s 74ms/step
>1810, dr[0.455,0.728], df[0.304,0.176], g[2.110,0.085]
1/1 [=====] - 0s 86ms/step
>1811, dr[0.438,0.892], df[0.647,0.175], g[1.723,0.113]
1/1 [=====] - 0s 93ms/step
>1812, dr[0.603,0.586], df[0.496,0.207], g[1.804,0.211]
1/1 [=====] - 0s 87ms/step
>1813, dr[0.369,0.282], df[0.605,0.184], g[2.057,0.155]
1/1 [=====] - 0s 85ms/step
>1814, dr[0.589,0.480], df[0.576,0.125], g[2.372,0.152]
1/1 [=====] - 0s 85ms/step
>1815, dr[0.376,0.267], df[0.477,0.187], g[2.318,0.089]
1/1 [=====] - 0s 94ms/step
>1816, dr[0.916,0.979], df[0.518,0.150], g[1.894,0.116]
1/1 [=====] - 0s 80ms/step
>1817, dr[0.352,1.509], df[0.407,0.056], g[1.356,0.062]
1/1 [=====] - 0s 82ms/step
>1818, dr[0.256,0.624], df[0.463,0.073], g[1.826,0.156]
1/1 [=====] - 0s 81ms/step
>1819, dr[0.428,0.625], df[0.520,0.233], g[1.986,0.101]
1/1 [=====] - 0s 78ms/step
>1820, dr[0.472,0.779], df[0.437,0.049], g[1.840,0.138]
1/1 [=====] - 0s 91ms/step
>1821, dr[0.578,0.996], df[0.358,0.132], g[2.147,0.060]
1/1 [=====] - 0s 86ms/step
>1822, dr[0.335,0.859], df[0.435,0.047], g[1.883,0.132]
1/1 [=====] - 0s 91ms/step
>1823, dr[0.479,0.690], df[0.257,0.087], g[1.601,0.122]
1/1 [=====] - 0s 83ms/step
>1824, dr[0.382,0.875], df[0.495,0.171], g[1.614,0.145]
1/1 [=====] - 0s 78ms/step
>1825, dr[0.508,0.891], df[0.458,0.083], g[1.431,0.083]
1/1 [=====] - 0s 83ms/step
>1826, dr[0.483,0.781], df[0.493,0.215], g[1.625,0.168]
1/1 [=====] - 0s 76ms/step
>1827, dr[0.396,0.444], df[0.677,0.166], g[1.987,0.079]
1/1 [=====] - 0s 83ms/step
```

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>1828, dr[0.615,0.519], df[0.309,0.089], g[1.776,0.105]
1/1 [=====] - 0s 75ms/step
>1829, dr[0.608,0.682], df[0.635,0.124], g[1.750,0.284]
1/1 [=====] - 0s 75ms/step
>1830, dr[0.256,1.109], df[0.736,0.042], g[1.913,0.155]
1/1 [=====] - 0s 78ms/step
>1831, dr[0.360,0.432], df[0.297,0.139], g[2.574,0.095]
1/1 [=====] - 0s 84ms/step
>1832, dr[0.518,0.426], df[0.380,0.075], g[2.490,0.116]
1/1 [=====] - 0s 92ms/step
>1833, dr[0.405,0.479], df[0.275,0.075], g[1.844,0.112]
1/1 [=====] - 0s 79ms/step
>1834, dr[0.238,0.990], df[0.534,0.045], g[1.920,0.125]
1/1 [=====] - 0s 82ms/step
>1835, dr[0.764,0.531], df[0.490,0.101], g[1.564,0.114]
1/1 [=====] - 0s 74ms/step
>1836, dr[0.366,0.752], df[0.759,0.181], g[2.330,0.083]
1/1 [=====] - 0s 88ms/step
>1837, dr[0.519,0.610], df[0.469,0.233], g[2.114,0.260]
1/1 [=====] - 0s 86ms/step
>1838, dr[0.542,0.221], df[0.264,0.105], g[1.956,0.182]
1/1 [=====] - 0s 78ms/step
>1839, dr[0.705,0.776], df[0.788,0.051], g[2.002,0.108]
1/1 [=====] - 0s 82ms/step
>1840, dr[0.442,0.465], df[0.686,0.064], g[1.732,0.183]
1/1 [=====] - 0s 78ms/step
>1841, dr[0.436,0.541], df[0.347,0.095], g[1.869,0.144]
1/1 [=====] - 0s 83ms/step
>1842, dr[0.464,0.654], df[0.489,0.087], g[1.889,0.162]
1/1 [=====] - 0s 82ms/step
>1843, dr[0.688,0.607], df[0.695,0.091], g[1.929,0.118]
1/1 [=====] - 0s 86ms/step
>1844, dr[0.498,0.248], df[0.486,0.047], g[2.054,0.137]
1/1 [=====] - 0s 80ms/step
>1845, dr[0.484,1.022], df[0.625,0.284], g[2.235,0.045]
1/1 [=====] - 0s 85ms/step
>1846, dr[0.686,0.507], df[0.459,0.056], g[1.688,0.120]
1/1 [=====] - 0s 81ms/step
>1847, dr[0.545,0.757], df[0.396,0.047], g[1.880,0.056]
1/1 [=====] - 0s 80ms/step
>1848, dr[0.380,0.627], df[0.441,0.108], g[1.912,0.051]
1/1 [=====] - 0s 93ms/step
>1849, dr[0.409,0.507], df[0.647,0.144], g[1.853,0.182]
1/1 [=====] - 0s 90ms/step
>1850, dr[0.523,0.869], df[0.486,0.110], g[1.925,0.082]
1/1 [=====] - 0s 84ms/step
>1851, dr[0.659,0.520], df[0.829,0.325], g[1.803,0.271]
1/1 [=====] - 0s 87ms/step
>1852, dr[0.696,0.607], df[0.522,0.040], g[1.545,0.124]
1/1 [=====] - 0s 89ms/step
>1853, dr[0.389,0.756], df[0.397,0.125], g[1.776,0.124]
1/1 [=====] - 0s 96ms/step
>1854, dr[0.749,0.762], df[0.524,0.073], g[1.436,0.171]
1/1 [=====] - 0s 83ms/step
>1855, dr[0.213,0.433], df[0.385,0.164], g[2.006,0.141]
1/1 [=====] - 0s 79ms/step
>1856, dr[0.412,0.574], df[0.291,0.113], g[2.273,0.076]
1/1 [=====] - 0s 81ms/step
>1857, dr[0.324,0.229], df[0.466,0.201], g[1.693,0.125]
1/1 [=====] - 0s 79ms/step
```

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>1858, dr[0.849,1.278], df[0.381,0.269], g[1.171,0.079]
1/1 [=====] - 0s 94ms/step
>1859, dr[0.205,1.026], df[0.486,0.063], g[1.752,0.046]
1/1 [=====] - 0s 81ms/step
>1860, dr[0.432,0.684], df[0.515,0.064], g[1.795,0.227]
1/1 [=====] - 0s 74ms/step
>1861, dr[0.627,1.183], df[0.381,0.081], g[2.062,0.158]
1/1 [=====] - 0s 73ms/step
>1862, dr[0.567,0.757], df[0.593,0.058], g[1.674,0.111]
1/1 [=====] - 0s 77ms/step
>1863, dr[0.163,0.519], df[0.267,0.127], g[2.159,0.169]
1/1 [=====] - 0s 78ms/step
>1864, dr[0.285,0.462], df[0.421,0.158], g[2.133,0.127]
1/1 [=====] - 0s 79ms/step
>1865, dr[0.387,0.622], df[0.223,0.045], g[2.017,0.063]
1/1 [=====] - 0s 86ms/step
>1866, dr[0.393,0.453], df[0.406,0.041], g[1.850,0.147]
1/1 [=====] - 0s 76ms/step
>1867, dr[0.341,0.642], df[0.281,0.079], g[1.927,0.090]
1/1 [=====] - 0s 86ms/step
>1868, dr[0.613,0.493], df[0.781,0.065], g[1.526,0.092]
1/1 [=====] - 0s 82ms/step
>1869, dr[0.121,0.745], df[0.404,0.217], g[2.164,0.052]
1/1 [=====] - 0s 82ms/step
>1870, dr[0.381,0.709], df[0.509,0.076], g[2.343,0.072]
1/1 [=====] - 0s 79ms/step
>1871, dr[0.586,0.808], df[0.472,0.038], g[1.963,0.056]
1/1 [=====] - 0s 76ms/step
>1872, dr[0.372,0.744], df[0.586,0.080], g[2.027,0.178]
1/1 [=====] - 0s 85ms/step
>1873, dr[0.700,0.335], df[0.581,0.057], g[1.868,0.151]
1/1 [=====] - 0s 83ms/step
>1874, dr[0.568,0.577], df[0.605,0.138], g[1.809,0.056]
4/4 [=====] - 0s 47ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 82ms/step
>1875, dr[0.482,0.850], df[0.606,0.114], g[1.638,0.127]
1/1 [=====] - 0s 78ms/step
>1876, dr[0.224,0.682], df[0.811,0.093], g[1.936,0.137]
1/1 [=====] - 0s 92ms/step
>1877, dr[0.366,0.293], df[0.238,0.050], g[1.999,0.102]
1/1 [=====] - 0s 86ms/step
>1878, dr[0.832,1.483], df[0.596,0.183], g[2.065,0.194]
1/1 [=====] - 0s 118ms/step
>1879, dr[0.742,0.979], df[0.629,0.162], g[1.526,0.174]
1/1 [=====] - 0s 98ms/step
>1880, dr[0.317,0.755], df[0.376,0.048], g[1.646,0.095]
1/1 [=====] - 0s 86ms/step
>1881, dr[0.402,0.661], df[0.204,0.087], g[1.972,0.091]
1/1 [=====] - 0s 81ms/step
>1882, dr[0.239,0.617], df[0.462,0.268], g[1.685,0.114]
1/1 [=====] - 0s 75ms/step
>1883, dr[0.294,0.421], df[0.746,0.077], g[2.379,0.103]
1/1 [=====] - 0s 72ms/step
>1884, dr[0.642,0.587], df[0.124,0.058], g[2.228,0.112]
1/1 [=====] - 0s 93ms/step
>1885, dr[0.812,0.905], df[0.503,0.373], g[1.472,0.108]
1/1 [=====] - 0s 78ms/step

```

```
>1886, dr[0.332,0.881], df[0.567,0.157], g[1.730,0.177]
1/1 [=====] - 0s 79ms/step
>1887, dr[0.267,0.484], df[0.242,0.136], g[1.919,0.099]
1/1 [=====] - 0s 85ms/step
>1888, dr[0.631,0.521], df[0.500,0.112], g[2.090,0.087]
1/1 [=====] - 0s 82ms/step
>1889, dr[0.382,0.625], df[0.630,0.280], g[1.903,0.126]
1/1 [=====] - 0s 71ms/step
>1890, dr[0.332,0.391], df[0.288,0.037], g[1.804,0.088]
1/1 [=====] - 0s 74ms/step
>1891, dr[0.545,0.422], df[0.535,0.319], g[1.819,0.083]
1/1 [=====] - 0s 73ms/step
>1892, dr[0.315,1.269], df[0.390,0.080], g[2.228,0.076]
1/1 [=====] - 0s 72ms/step
>1893, dr[0.858,0.584], df[0.698,0.047], g[1.332,0.119]
1/1 [=====] - 0s 78ms/step
>1894, dr[0.486,0.603], df[0.897,0.158], g[1.622,0.232]
1/1 [=====] - 0s 71ms/step
>1895, dr[0.644,1.070], df[0.497,0.172], g[1.810,0.101]
1/1 [=====] - 0s 80ms/step
>1896, dr[0.563,0.994], df[0.381,0.087], g[1.539,0.093]
1/1 [=====] - 0s 76ms/step
>1897, dr[0.373,0.592], df[0.395,0.237], g[1.405,0.072]
1/1 [=====] - 0s 74ms/step
>1898, dr[0.265,0.485], df[0.298,0.065], g[1.512,0.086]
1/1 [=====] - 0s 69ms/step
>1899, dr[0.239,0.352], df[0.437,0.151], g[2.033,0.100]
1/1 [=====] - 0s 73ms/step
>1900, dr[0.487,0.453], df[0.303,0.195], g[1.461,0.191]
1/1 [=====] - 0s 73ms/step
>1901, dr[0.476,0.469], df[0.773,0.345], g[1.664,0.118]
1/1 [=====] - 0s 78ms/step
>1902, dr[0.460,0.748], df[0.401,0.056], g[1.760,0.116]
1/1 [=====] - 0s 78ms/step
>1903, dr[0.675,0.599], df[0.774,0.108], g[1.586,0.058]
1/1 [=====] - 0s 82ms/step
>1904, dr[0.448,0.450], df[0.625,0.095], g[2.202,0.118]
1/1 [=====] - 0s 83ms/step
>1905, dr[0.360,0.370], df[0.536,0.289], g[2.093,0.091]
1/1 [=====] - 0s 71ms/step
>1906, dr[0.691,0.561], df[0.358,0.081], g[2.143,0.066]
1/1 [=====] - 0s 84ms/step
>1907, dr[0.468,0.806], df[0.600,0.098], g[1.562,0.116]
1/1 [=====] - 0s 72ms/step
>1908, dr[0.697,0.640], df[0.567,0.154], g[1.811,0.074]
1/1 [=====] - 0s 81ms/step
>1909, dr[0.481,0.844], df[0.473,0.140], g[1.884,0.110]
1/1 [=====] - 0s 78ms/step
>1910, dr[0.542,0.749], df[0.403,0.098], g[1.914,0.075]
1/1 [=====] - 0s 80ms/step
>1911, dr[0.474,0.470], df[0.387,0.062], g[1.475,0.206]
1/1 [=====] - 0s 73ms/step
>1912, dr[0.603,0.473], df[0.449,0.060], g[1.632,0.083]
1/1 [=====] - 0s 82ms/step
>1913, dr[0.254,0.527], df[0.566,0.083], g[2.006,0.090]
1/1 [=====] - 0s 74ms/step
>1914, dr[0.400,0.609], df[0.391,0.085], g[2.403,0.092]
1/1 [=====] - 0s 81ms/step
>1915, dr[0.491,0.357], df[0.435,0.052], g[2.268,0.244]
1/1 [=====] - 0s 71ms/step
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>1916, dr[0.464,0.487], df[0.295,0.107], g[1.976,0.128]
1/1 [=====] - 0s 73ms/step
>1917, dr[0.364,0.347], df[0.431,0.060], g[1.838,0.103]
1/1 [=====] - 0s 75ms/step
>1918, dr[0.457,0.385], df[0.460,0.072], g[1.700,0.107]
1/1 [=====] - 0s 81ms/step
>1919, dr[0.549,1.076], df[0.643,0.051], g[1.904,0.107]
1/1 [=====] - 0s 77ms/step
>1920, dr[0.256,0.285], df[0.288,0.052], g[1.920,0.098]
1/1 [=====] - 0s 78ms/step
>1921, dr[0.556,0.567], df[0.515,0.215], g[1.840,0.129]
1/1 [=====] - 0s 82ms/step
>1922, dr[0.348,1.018], df[0.601,0.045], g[2.521,0.220]
1/1 [=====] - 0s 70ms/step
>1923, dr[0.416,0.462], df[0.286,0.112], g[2.216,0.052]
1/1 [=====] - 0s 72ms/step
>1924, dr[0.709,0.672], df[0.340,0.140], g[1.488,0.069]
1/1 [=====] - 0s 70ms/step
>1925, dr[0.405,0.986], df[0.774,0.102], g[1.632,0.062]
1/1 [=====] - 0s 71ms/step
>1926, dr[0.483,0.678], df[0.342,0.063], g[1.768,0.116]
1/1 [=====] - 0s 76ms/step
>1927, dr[0.368,0.147], df[0.641,0.155], g[2.134,0.047]
1/1 [=====] - 0s 71ms/step
>1928, dr[0.691,0.585], df[0.492,0.221], g[1.496,0.042]
1/1 [=====] - 0s 73ms/step
>1929, dr[0.470,0.508], df[0.483,0.118], g[1.655,0.062]
1/1 [=====] - 0s 72ms/step
>1930, dr[0.454,0.904], df[0.553,0.145], g[1.658,0.132]
1/1 [=====] - 0s 79ms/step
>1931, dr[0.431,0.434], df[0.411,0.053], g[1.587,0.179]
1/1 [=====] - 0s 76ms/step
>1932, dr[0.320,0.738], df[0.400,0.147], g[1.800,0.080]
1/1 [=====] - 0s 82ms/step
>1933, dr[0.591,0.855], df[0.448,0.153], g[1.515,0.084]
1/1 [=====] - 0s 76ms/step
>1934, dr[0.361,0.671], df[0.659,0.343], g[1.986,0.093]
1/1 [=====] - 0s 79ms/step
>1935, dr[0.452,0.808], df[0.166,0.041], g[1.798,0.101]
1/1 [=====] - 0s 77ms/step
>1936, dr[0.546,0.344], df[0.715,0.096], g[1.432,0.151]
1/1 [=====] - 0s 76ms/step
>1937, dr[0.286,0.813], df[0.388,0.035], g[1.910,0.062]
1/1 [=====] - 0s 70ms/step
>1938, dr[0.365,0.361], df[0.501,0.094], g[1.934,0.134]
1/1 [=====] - 0s 75ms/step
>1939, dr[0.438,0.528], df[0.218,0.123], g[1.541,0.082]
1/1 [=====] - 0s 72ms/step
>1940, dr[0.325,0.744], df[0.442,0.053], g[1.719,0.112]
1/1 [=====] - 0s 70ms/step
>1941, dr[0.172,0.502], df[0.477,0.047], g[2.321,0.056]
1/1 [=====] - 0s 74ms/step
>1942, dr[0.843,1.040], df[0.563,0.120], g[1.615,0.052]
1/1 [=====] - 0s 72ms/step
>1943, dr[0.408,0.995], df[0.472,0.042], g[1.779,0.131]
1/1 [=====] - 0s 78ms/step
>1944, dr[0.270,0.570], df[0.274,0.126], g[1.524,0.107]
1/1 [=====] - 0s 70ms/step
>1945, dr[0.225,0.780], df[0.199,0.166], g[1.488,0.064]
1/1 [=====] - 0s 76ms/step
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>1946, dr[0.393,1.116], df[0.323,0.190], g[1.658,0.122]
1/1 [=====] - 0s 72ms/step
>1947, dr[0.267,0.892], df[0.415,0.187], g[1.775,0.150]
1/1 [=====] - 0s 77ms/step
>1948, dr[0.266,0.244], df[0.479,0.067], g[1.921,0.242]
1/1 [=====] - 0s 72ms/step
>1949, dr[0.396,0.624], df[0.198,0.047], g[1.742,0.149]
1/1 [=====] - 0s 73ms/step
>1950, dr[0.289,0.478], df[0.555,0.061], g[1.860,0.224]
1/1 [=====] - 0s 77ms/step
>1951, dr[0.283,1.018], df[0.210,0.042], g[2.035,0.229]
1/1 [=====] - 0s 71ms/step
>1952, dr[0.693,0.606], df[0.488,0.278], g[1.610,0.178]
1/1 [=====] - 0s 80ms/step
>1953, dr[0.251,1.040], df[0.652,0.210], g[2.142,0.106]
1/1 [=====] - 0s 85ms/step
>1954, dr[0.334,0.685], df[0.280,0.070], g[2.021,0.184]
1/1 [=====] - 0s 90ms/step
>1955, dr[0.349,0.442], df[0.440,0.246], g[1.935,0.136]
1/1 [=====] - 0s 70ms/step
>1956, dr[0.758,0.399], df[0.151,0.100], g[1.284,0.111]
1/1 [=====] - 0s 71ms/step
>1957, dr[0.225,0.698], df[0.748,0.053], g[1.329,0.207]
1/1 [=====] - 0s 77ms/step
>1958, dr[0.248,0.819], df[0.419,0.057], g[2.037,0.134]
1/1 [=====] - 0s 87ms/step
>1959, dr[0.497,0.551], df[0.615,0.084], g[1.910,0.088]
1/1 [=====] - 0s 102ms/step
>1960, dr[0.395,0.374], df[0.507,0.055], g[2.156,0.095]
1/1 [=====] - 0s 84ms/step
>1961, dr[0.487,0.888], df[0.376,0.270], g[1.987,0.108]
1/1 [=====] - 0s 79ms/step
>1962, dr[0.583,0.420], df[0.559,0.202], g[1.894,0.102]
1/1 [=====] - 0s 73ms/step
>1963, dr[0.515,0.605], df[0.462,0.060], g[1.400,0.072]
1/1 [=====] - 0s 76ms/step
>1964, dr[0.312,0.490], df[0.440,0.183], g[1.865,0.076]
1/1 [=====] - 0s 75ms/step
>1965, dr[0.274,0.505], df[0.540,0.324], g[2.170,0.054]
1/1 [=====] - 0s 82ms/step
>1966, dr[0.928,1.023], df[0.450,0.122], g[2.107,0.100]
1/1 [=====] - 0s 78ms/step
>1967, dr[0.450,0.860], df[0.515,0.114], g[2.134,0.083]
1/1 [=====] - 0s 78ms/step
>1968, dr[0.613,0.494], df[0.694,0.063], g[1.794,0.196]
1/1 [=====] - 0s 77ms/step
>1969, dr[0.644,0.600], df[0.712,0.207], g[1.802,0.088]
1/1 [=====] - 0s 73ms/step
>1970, dr[0.711,0.946], df[0.541,0.048], g[1.677,0.118]
1/1 [=====] - 0s 71ms/step
>1971, dr[0.417,0.398], df[0.467,0.109], g[1.631,0.182]
1/1 [=====] - 0s 70ms/step
>1972, dr[0.416,0.744], df[0.617,0.083], g[1.780,0.145]
1/1 [=====] - 0s 70ms/step
>1973, dr[0.692,0.701], df[0.511,0.044], g[1.528,0.176]
1/1 [=====] - 0s 74ms/step
>1974, dr[0.359,1.095], df[0.686,0.059], g[2.050,0.120]
1/1 [=====] - 0s 72ms/step
>1975, dr[0.523,0.888], df[0.707,0.135], g[1.889,0.112]
1/1 [=====] - 0s 86ms/step
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>1976, dr[0.521,0.524], df[0.341,0.207], g[1.781,0.119]
1/1 [=====] - 0s 76ms/step
>1977, dr[0.576,0.955], df[0.654,0.104], g[1.722,0.099]
1/1 [=====] - 0s 77ms/step
>1978, dr[0.315,0.471], df[0.541,0.060], g[1.637,0.142]
1/1 [=====] - 0s 74ms/step
>1979, dr[0.625,0.344], df[0.603,0.095], g[1.941,0.064]
1/1 [=====] - 0s 79ms/step
>1980, dr[0.462,0.643], df[0.349,0.030], g[1.665,0.089]
1/1 [=====] - 0s 71ms/step
>1981, dr[0.330,0.462], df[0.521,0.190], g[2.382,0.071]
1/1 [=====] - 0s 77ms/step
>1982, dr[0.535,0.762], df[0.789,0.098], g[1.897,0.117]
1/1 [=====] - 0s 79ms/step
>1983, dr[0.475,0.223], df[0.301,0.112], g[1.781,0.237]
1/1 [=====] - 0s 74ms/step
>1984, dr[0.783,0.674], df[0.512,0.115], g[1.276,0.137]
1/1 [=====] - 0s 71ms/step
>1985, dr[0.301,0.296], df[0.610,0.060], g[1.626,0.066]
1/1 [=====] - 0s 77ms/step
>1986, dr[0.443,0.360], df[0.494,0.038], g[1.598,0.098]
1/1 [=====] - 0s 73ms/step
>1987, dr[0.372,0.850], df[0.633,0.131], g[1.980,0.102]
1/1 [=====] - 0s 70ms/step
>1988, dr[0.649,0.526], df[0.433,0.130], g[1.874,0.088]
1/1 [=====] - 0s 79ms/step
>1989, dr[0.457,0.403], df[0.550,0.223], g[1.650,0.121]
1/1 [=====] - 0s 75ms/step
>1990, dr[0.540,0.994], df[0.503,0.040], g[1.993,0.045]
1/1 [=====] - 0s 96ms/step
>1991, dr[0.330,0.656], df[0.375,0.033], g[1.810,0.147]
1/1 [=====] - 0s 72ms/step
>1992, dr[0.518,1.343], df[0.506,0.038], g[1.388,0.073]
1/1 [=====] - 0s 78ms/step
>1993, dr[0.383,0.783], df[0.496,0.105], g[1.603,0.185]
1/1 [=====] - 0s 83ms/step
>1994, dr[0.399,0.456], df[0.589,0.081], g[1.878,0.071]
1/1 [=====] - 0s 78ms/step
>1995, dr[0.453,0.421], df[0.409,0.182], g[1.785,0.219]
1/1 [=====] - 0s 79ms/step
>1996, dr[0.674,0.426], df[0.561,0.033], g[1.873,0.068]
1/1 [=====] - 0s 73ms/step
>1997, dr[0.552,0.859], df[0.438,0.111], g[1.670,0.097]
1/1 [=====] - 0s 78ms/step
>1998, dr[0.508,0.339], df[0.447,0.137], g[1.856,0.083]
1/1 [=====] - 0s 76ms/step
>1999, dr[0.487,0.449], df[0.633,0.083], g[1.608,0.129]
1/1 [=====] - 0s 77ms/step
>2000, dr[0.415,1.297], df[0.328,0.061], g[1.609,0.151]
1/1 [=====] - 0s 70ms/step
>2001, dr[0.287,0.391], df[0.474,0.085], g[1.876,0.102]
1/1 [=====] - 0s 77ms/step
>2002, dr[0.667,0.489], df[0.420,0.105], g[1.782,0.110]
1/1 [=====] - 0s 74ms/step
>2003, dr[0.427,0.637], df[0.556,0.136], g[1.260,0.219]
1/1 [=====] - 0s 72ms/step
>2004, dr[0.563,0.426], df[0.584,0.100], g[1.910,0.168]
1/1 [=====] - 0s 73ms/step
>2005, dr[0.430,0.583], df[0.472,0.190], g[1.345,0.175]
1/1 [=====] - 0s 70ms/step
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>2006, dr[0.416,0.438], df[0.353,0.080], g[1.669,0.126]
1/1 [=====] - 0s 70ms/step
>2007, dr[0.547,1.019], df[0.791,0.112], g[1.438,0.156]
1/1 [=====] - 0s 70ms/step
>2008, dr[0.438,0.730], df[0.461,0.285], g[1.499,0.099]
1/1 [=====] - 0s 83ms/step
>2009, dr[0.410,0.420], df[0.602,0.149], g[2.145,0.211]
1/1 [=====] - 0s 75ms/step
>2010, dr[0.479,0.543], df[0.283,0.150], g[1.962,0.068]
1/1 [=====] - 0s 76ms/step
>2011, dr[0.492,0.655], df[0.379,0.040], g[1.616,0.088]
1/1 [=====] - 0s 73ms/step
>2012, dr[0.288,1.198], df[0.389,0.073], g[1.246,0.254]
1/1 [=====] - 0s 77ms/step
>2013, dr[0.463,0.598], df[0.648,0.094], g[1.781,0.067]
1/1 [=====] - 0s 70ms/step
>2014, dr[0.339,0.615], df[0.458,0.198], g[1.877,0.196]
1/1 [=====] - 0s 79ms/step
>2015, dr[0.481,0.547], df[0.412,0.111], g[1.966,0.119]
1/1 [=====] - 0s 79ms/step
>2016, dr[0.563,0.252], df[0.680,0.072], g[1.953,0.078]
1/1 [=====] - 0s 75ms/step
>2017, dr[0.646,0.338], df[0.432,0.154], g[1.585,0.107]
1/1 [=====] - 0s 73ms/step
>2018, dr[0.605,0.935], df[0.585,0.047], g[1.271,0.207]
1/1 [=====] - 0s 77ms/step
>2019, dr[0.372,0.421], df[0.257,0.134], g[1.447,0.078]
1/1 [=====] - 0s 78ms/step
>2020, dr[0.385,0.552], df[0.667,0.136], g[1.708,0.114]
1/1 [=====] - 0s 74ms/step
>2021, dr[0.538,0.282], df[0.468,0.140], g[1.762,0.100]
1/1 [=====] - 0s 78ms/step
>2022, dr[0.439,0.511], df[0.371,0.137], g[1.727,0.105]
1/1 [=====] - 0s 74ms/step
>2023, dr[0.586,0.561], df[0.399,0.071], g[1.178,0.122]
1/1 [=====] - 0s 77ms/step
>2024, dr[0.247,0.828], df[0.495,0.041], g[1.845,0.069]
1/1 [=====] - 0s 71ms/step
>2025, dr[0.610,0.409], df[0.754,0.061], g[1.429,0.115]
1/1 [=====] - 0s 77ms/step
>2026, dr[0.431,1.203], df[0.436,0.148], g[1.502,0.129]
1/1 [=====] - 0s 72ms/step
>2027, dr[0.660,0.662], df[0.708,0.052], g[1.778,0.183]
1/1 [=====] - 0s 85ms/step
>2028, dr[0.756,0.841], df[0.394,0.043], g[1.467,0.078]
1/1 [=====] - 0s 77ms/step
>2029, dr[0.434,0.796], df[0.677,0.207], g[1.676,0.116]
1/1 [=====] - 0s 80ms/step
>2030, dr[0.327,0.579], df[0.479,0.195], g[2.108,0.113]
1/1 [=====] - 0s 73ms/step
>2031, dr[0.673,0.727], df[0.263,0.122], g[1.405,0.226]
1/1 [=====] - 0s 79ms/step
>2032, dr[0.411,0.579], df[0.480,0.142], g[1.387,0.172]
1/1 [=====] - 0s 72ms/step
>2033, dr[0.293,0.456], df[0.405,0.066], g[1.508,0.166]
1/1 [=====] - 0s 77ms/step
>2034, dr[0.382,0.664], df[0.538,0.054], g[1.572,0.113]
1/1 [=====] - 0s 77ms/step
>2035, dr[0.345,1.003], df[0.428,0.264], g[1.596,0.132]
1/1 [=====] - 0s 78ms/step
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>2036, dr[0.459,0.464], df[0.375,0.037], g[1.724,0.075]
1/1 [=====] - 0s 72ms/step
>2037, dr[0.624,0.586], df[0.556,0.173], g[1.556,0.190]
1/1 [=====] - 0s 79ms/step
>2038, dr[0.492,0.309], df[0.682,0.082], g[1.624,0.193]
1/1 [=====] - 0s 75ms/step
>2039, dr[0.567,0.507], df[0.431,0.112], g[1.573,0.157]
1/1 [=====] - 0s 77ms/step
>2040, dr[0.320,0.937], df[0.314,0.075], g[1.264,0.146]
1/1 [=====] - 0s 80ms/step
>2041, dr[0.444,0.339], df[0.926,0.245], g[1.714,0.107]
1/1 [=====] - 0s 74ms/step
>2042, dr[0.701,0.573], df[0.309,0.160], g[1.975,0.188]
1/1 [=====] - 0s 79ms/step
>2043, dr[0.870,0.635], df[0.383,0.052], g[1.296,0.098]
1/1 [=====] - 0s 71ms/step
>2044, dr[0.630,0.537], df[0.974,0.132], g[1.382,0.069]
1/1 [=====] - 0s 80ms/step
>2045, dr[0.316,0.724], df[0.405,0.093], g[1.703,0.152]
1/1 [=====] - 0s 70ms/step
>2046, dr[0.537,0.520], df[0.545,0.152], g[1.541,0.203]
1/1 [=====] - 0s 74ms/step
>2047, dr[0.672,0.948], df[0.673,0.074], g[1.643,0.211]
1/1 [=====] - 0s 73ms/step
>2048, dr[0.288,0.883], df[0.325,0.054], g[1.526,0.104]
1/1 [=====] - 0s 77ms/step
>2049, dr[0.617,0.867], df[0.534,0.198], g[1.693,0.249]
1/1 [=====] - 0s 72ms/step
>2050, dr[0.601,0.267], df[0.440,0.151], g[1.175,0.088]
1/1 [=====] - 0s 71ms/step
>2051, dr[0.283,0.311], df[0.860,0.107], g[2.080,0.066]
1/1 [=====] - 0s 78ms/step
>2052, dr[0.398,0.301], df[0.375,0.179], g[1.819,0.095]
1/1 [=====] - 0s 71ms/step
>2053, dr[0.729,0.857], df[0.309,0.045], g[2.034,0.160]
1/1 [=====] - 0s 76ms/step
>2054, dr[0.646,0.942], df[0.628,0.117], g[1.664,0.060]
1/1 [=====] - 0s 73ms/step
>2055, dr[0.496,0.954], df[0.526,0.213], g[1.762,0.178]
1/1 [=====] - 0s 83ms/step
>2056, dr[0.703,0.473], df[0.389,0.079], g[1.426,0.134]
1/1 [=====] - 0s 84ms/step
>2057, dr[0.238,0.390], df[0.672,0.121], g[1.877,0.119]
1/1 [=====] - 0s 84ms/step
>2058, dr[0.527,0.537], df[0.382,0.122], g[2.214,0.178]
1/1 [=====] - 0s 76ms/step
>2059, dr[0.504,0.687], df[0.586,0.077], g[1.643,0.131]
1/1 [=====] - 0s 72ms/step
>2060, dr[0.421,0.522], df[0.402,0.044], g[2.191,0.070]
1/1 [=====] - 0s 76ms/step
>2061, dr[0.621,0.423], df[0.373,0.115], g[1.603,0.138]
1/1 [=====] - 0s 71ms/step
>2062, dr[0.396,0.318], df[0.582,0.117], g[1.369,0.071]
1/1 [=====] - 0s 83ms/step
>2063, dr[0.419,0.641], df[0.616,0.043], g[1.759,0.198]
1/1 [=====] - 0s 70ms/step
>2064, dr[0.372,0.760], df[0.510,0.132], g[2.009,0.103]
1/1 [=====] - 0s 79ms/step
>2065, dr[0.545,0.654], df[0.463,0.079], g[1.797,0.064]
1/1 [=====] - 0s 71ms/step
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>2066, dr[0.561,0.723], df[0.303,0.152], g[1.595,0.118]
1/1 [=====] - 0s 75ms/step
>2067, dr[0.548,0.627], df[0.633,0.050], g[1.473,0.060]
1/1 [=====] - 0s 73ms/step
>2068, dr[0.331,0.352], df[0.646,0.056], g[1.832,0.130]
1/1 [=====] - 0s 84ms/step
>2069, dr[0.468,0.789], df[0.392,0.114], g[1.706,0.099]
1/1 [=====] - 0s 81ms/step
>2070, dr[0.604,1.776], df[0.657,0.071], g[2.057,0.099]
1/1 [=====] - 0s 75ms/step
>2071, dr[0.399,0.436], df[0.375,0.076], g[2.245,0.083]
1/1 [=====] - 0s 78ms/step
>2072, dr[0.739,0.446], df[0.488,0.102], g[1.464,0.105]
1/1 [=====] - 0s 76ms/step
>2073, dr[0.421,0.629], df[0.491,0.055], g[1.538,0.260]
1/1 [=====] - 0s 81ms/step
>2074, dr[0.269,0.647], df[0.409,0.112], g[1.933,0.122]
1/1 [=====] - 0s 77ms/step
>2075, dr[0.732,0.734], df[0.487,0.273], g[1.460,0.131]
1/1 [=====] - 0s 82ms/step
>2076, dr[0.537,0.375], df[0.713,0.062], g[1.651,0.070]
1/1 [=====] - 0s 71ms/step
>2077, dr[0.331,0.367], df[0.445,0.051], g[1.642,0.110]
1/1 [=====] - 0s 73ms/step
>2078, dr[0.498,0.517], df[0.546,0.118], g[1.938,0.045]
1/1 [=====] - 0s 78ms/step
>2079, dr[0.576,0.221], df[0.513,0.078], g[1.879,0.130]
1/1 [=====] - 0s 72ms/step
>2080, dr[0.408,0.449], df[0.359,0.062], g[1.656,0.064]
1/1 [=====] - 0s 77ms/step
>2081, dr[0.412,0.465], df[0.501,0.146], g[2.219,0.046]
1/1 [=====] - 0s 70ms/step
>2082, dr[0.541,0.556], df[0.502,0.119], g[1.573,0.162]
1/1 [=====] - 0s 80ms/step
>2083, dr[0.532,1.140], df[0.644,0.059], g[1.948,0.149]
1/1 [=====] - 0s 77ms/step
>2084, dr[0.484,0.579], df[0.631,0.080], g[1.812,0.049]
1/1 [=====] - 0s 72ms/step
>2085, dr[0.466,0.484], df[0.337,0.162], g[2.021,0.105]
1/1 [=====] - 0s 71ms/step
>2086, dr[0.688,0.701], df[0.535,0.087], g[1.246,0.093]
1/1 [=====] - 0s 70ms/step
>2087, dr[0.323,0.790], df[0.519,0.039], g[1.761,0.099]
1/1 [=====] - 0s 71ms/step
>2088, dr[0.466,0.662], df[0.676,0.075], g[1.807,0.126]
1/1 [=====] - 0s 72ms/step
>2089, dr[0.527,0.263], df[0.329,0.061], g[1.585,0.096]
1/1 [=====] - 0s 76ms/step
>2090, dr[0.577,0.573], df[0.559,0.071], g[1.488,0.131]
1/1 [=====] - 0s 79ms/step
>2091, dr[0.336,0.432], df[0.496,0.190], g[1.840,0.179]
1/1 [=====] - 0s 85ms/step
>2092, dr[0.645,0.744], df[0.377,0.173], g[1.632,0.107]
1/1 [=====] - 0s 78ms/step
>2093, dr[0.550,0.724], df[0.563,0.031], g[1.650,0.095]
1/1 [=====] - 0s 78ms/step
>2094, dr[0.441,0.437], df[0.440,0.057], g[1.450,0.075]
1/1 [=====] - 0s 74ms/step
>2095, dr[0.302,0.602], df[0.509,0.125], g[1.708,0.085]
1/1 [=====] - 0s 79ms/step
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>2096, dr[0.652,0.630], df[0.629,0.086], g[1.825,0.077]
1/1 [=====] - 0s 71ms/step
>2097, dr[0.439,0.688], df[0.376,0.161], g[1.841,0.115]
1/1 [=====] - 0s 81ms/step
>2098, dr[0.533,0.999], df[0.447,0.079], g[1.685,0.089]
1/1 [=====] - 0s 73ms/step
>2099, dr[0.672,0.805], df[0.530,0.124], g[1.451,0.080]
1/1 [=====] - 0s 82ms/step
>2100, dr[0.317,0.700], df[0.655,0.154], g[1.447,0.182]
1/1 [=====] - 0s 78ms/step
>2101, dr[0.532,0.840], df[0.539,0.141], g[1.574,0.080]
1/1 [=====] - 0s 77ms/step
>2102, dr[0.727,0.430], df[0.571,0.100], g[1.746,0.060]
1/1 [=====] - 0s 83ms/step
>2103, dr[0.356,0.614], df[0.626,0.072], g[2.122,0.058]
1/1 [=====] - 0s 74ms/step
>2104, dr[0.930,0.938], df[0.308,0.061], g[1.643,0.114]
1/1 [=====] - 0s 81ms/step
>2105, dr[0.423,0.373], df[0.555,0.120], g[1.386,0.234]
1/1 [=====] - 0s 74ms/step
>2106, dr[0.518,0.421], df[0.472,0.086], g[1.696,0.122]
1/1 [=====] - 0s 80ms/step
>2107, dr[0.502,0.551], df[0.362,0.148], g[1.061,0.161]
1/1 [=====] - 0s 84ms/step
>2108, dr[0.503,0.468], df[0.704,0.064], g[1.746,0.045]
1/1 [=====] - 0s 84ms/step
>2109, dr[0.362,0.801], df[0.484,0.183], g[1.766,0.153]
1/1 [=====] - 0s 73ms/step
>2110, dr[0.459,0.990], df[0.393,0.070], g[1.609,0.085]
1/1 [=====] - 0s 74ms/step
>2111, dr[0.434,0.332], df[0.646,0.239], g[1.940,0.140]
1/1 [=====] - 0s 78ms/step
>2112, dr[0.771,0.615], df[0.637,0.148], g[2.018,0.078]
1/1 [=====] - 0s 74ms/step
>2113, dr[0.452,0.652], df[0.284,0.044], g[2.035,0.097]
1/1 [=====] - 0s 75ms/step
>2114, dr[0.575,0.479], df[0.496,0.135], g[1.776,0.094]
1/1 [=====] - 0s 74ms/step
>2115, dr[0.634,0.772], df[0.626,0.197], g[1.652,0.113]
1/1 [=====] - 0s 70ms/step
>2116, dr[0.413,0.482], df[0.652,0.092], g[1.585,0.168]
1/1 [=====] - 0s 80ms/step
>2117, dr[0.343,0.729], df[0.529,0.060], g[2.173,0.054]
1/1 [=====] - 0s 74ms/step
>2118, dr[0.677,0.642], df[0.370,0.067], g[1.975,0.056]
1/1 [=====] - 0s 83ms/step
>2119, dr[0.487,0.474], df[0.449,0.152], g[1.506,0.036]
1/1 [=====] - 0s 72ms/step
>2120, dr[0.392,0.412], df[0.483,0.284], g[1.903,0.061]
1/1 [=====] - 0s 86ms/step
>2121, dr[0.380,0.243], df[0.560,0.098], g[1.995,0.091]
1/1 [=====] - 0s 76ms/step
>2122, dr[0.561,0.670], df[0.338,0.103], g[1.599,0.092]
1/1 [=====] - 0s 90ms/step
>2123, dr[0.554,0.486], df[0.543,0.046], g[1.623,0.166]
1/1 [=====] - 0s 73ms/step
>2124, dr[0.467,0.543], df[0.595,0.091], g[1.495,0.092]
1/1 [=====] - 0s 89ms/step
>2125, dr[0.280,0.402], df[0.548,0.097], g[1.514,0.106]
1/1 [=====] - 0s 73ms/step
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>2126, dr[0.486,0.348], df[0.474,0.059], g[1.636,0.198]
1/1 [=====] - 0s 77ms/step
>2127, dr[0.773,0.713], df[0.445,0.084], g[1.698,0.118]
1/1 [=====] - 0s 74ms/step
>2128, dr[0.384,0.499], df[0.483,0.051], g[1.749,0.136]
1/1 [=====] - 0s 74ms/step
>2129, dr[0.421,0.612], df[0.575,0.108], g[1.430,0.107]
1/1 [=====] - 0s 78ms/step
>2130, dr[0.420,0.625], df[0.709,0.205], g[1.913,0.051]
1/1 [=====] - 0s 75ms/step
>2131, dr[0.479,0.371], df[0.355,0.084], g[2.137,0.055]
1/1 [=====] - 0s 78ms/step
>2132, dr[0.554,0.718], df[0.368,0.091], g[2.038,0.080]
1/1 [=====] - 0s 73ms/step
>2133, dr[0.486,0.799], df[0.384,0.081], g[1.699,0.084]
1/1 [=====] - 0s 77ms/step
>2134, dr[0.644,0.594], df[0.716,0.061], g[1.347,0.132]
1/1 [=====] - 0s 72ms/step
>2135, dr[0.380,0.795], df[0.433,0.080], g[1.889,0.116]
1/1 [=====] - 0s 80ms/step
>2136, dr[0.441,0.629], df[0.388,0.074], g[1.567,0.032]
1/1 [=====] - 0s 72ms/step
>2137, dr[0.387,0.364], df[0.432,0.053], g[1.566,0.170]
1/1 [=====] - 0s 78ms/step
>2138, dr[0.443,0.455], df[0.409,0.045], g[1.608,0.083]
1/1 [=====] - 0s 80ms/step
>2139, dr[0.682,0.399], df[0.397,0.023], g[1.339,0.112]
1/1 [=====] - 0s 75ms/step
>2140, dr[0.392,0.800], df[0.668,0.099], g[1.763,0.087]
1/1 [=====] - 0s 76ms/step
>2141, dr[0.375,0.480], df[0.552,0.041], g[1.430,0.207]
1/1 [=====] - 0s 72ms/step
>2142, dr[0.500,0.537], df[0.299,0.039], g[1.632,0.053]
1/1 [=====] - 0s 79ms/step
>2143, dr[0.545,0.971], df[0.546,0.104], g[1.975,0.140]
1/1 [=====] - 0s 79ms/step
>2144, dr[0.328,0.789], df[0.342,0.086], g[2.203,0.073]
1/1 [=====] - 0s 89ms/step
>2145, dr[0.472,0.640], df[0.587,0.105], g[2.163,0.145]
1/1 [=====] - 0s 149ms/step
>2146, dr[0.727,0.858], df[0.362,0.057], g[1.339,0.040]
1/1 [=====] - 0s 81ms/step
>2147, dr[0.362,0.391], df[0.717,0.210], g[1.451,0.087]
1/1 [=====] - 0s 100ms/step
>2148, dr[0.514,0.824], df[0.683,0.141], g[2.008,0.177]
1/1 [=====] - 0s 85ms/step
>2149, dr[0.437,0.658], df[0.455,0.119], g[1.783,0.093]
1/1 [=====] - 0s 96ms/step
>2150, dr[0.417,0.365], df[0.552,0.063], g[1.695,0.125]
1/1 [=====] - 0s 87ms/step
>2151, dr[0.681,0.830], df[0.551,0.158], g[1.573,0.066]
1/1 [=====] - 0s 77ms/step
>2152, dr[0.428,0.388], df[0.384,0.180], g[2.136,0.115]
1/1 [=====] - 0s 91ms/step
>2153, dr[0.542,1.242], df[0.329,0.092], g[1.184,0.042]
1/1 [=====] - 0s 78ms/step
>2154, dr[0.533,1.007], df[0.591,0.101], g[1.504,0.072]
1/1 [=====] - 0s 75ms/step
>2155, dr[0.419,0.680], df[0.648,0.303], g[1.565,0.110]
1/1 [=====] - 0s 79ms/step
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>2156, dr[0.568,0.652], df[0.420,0.190], g[1.800,0.083]
1/1 [=====] - 0s 76ms/step
>2157, dr[0.498,0.735], df[0.560,0.159], g[1.541,0.151]
1/1 [=====] - 0s 79ms/step
>2158, dr[0.294,0.275], df[0.311,0.089], g[1.449,0.146]
1/1 [=====] - 0s 93ms/step
>2159, dr[0.431,0.373], df[0.319,0.110], g[1.411,0.101]
1/1 [=====] - 0s 85ms/step
>2160, dr[0.304,0.659], df[0.508,0.051], g[1.738,0.139]
1/1 [=====] - 0s 81ms/step
>2161, dr[0.289,0.575], df[0.377,0.063], g[1.774,0.053]
1/1 [=====] - 0s 74ms/step
>2162, dr[0.502,0.648], df[0.526,0.183], g[1.500,0.122]
1/1 [=====] - 0s 77ms/step
>2163, dr[0.770,0.587], df[0.655,0.056], g[1.740,0.115]
1/1 [=====] - 0s 75ms/step
>2164, dr[0.378,0.503], df[0.471,0.141], g[1.642,0.065]
1/1 [=====] - 0s 81ms/step
>2165, dr[0.433,0.613], df[0.473,0.090], g[1.765,0.097]
1/1 [=====] - 0s 97ms/step
>2166, dr[0.426,0.775], df[0.518,0.107], g[1.850,0.124]
1/1 [=====] - 0s 90ms/step
>2167, dr[0.439,0.743], df[0.506,0.089], g[1.548,0.052]
1/1 [=====] - 0s 88ms/step
>2168, dr[0.529,0.633], df[0.331,0.078], g[1.790,0.066]
1/1 [=====] - 0s 80ms/step
>2169, dr[0.479,0.668], df[0.482,0.084], g[1.631,0.080]
1/1 [=====] - 0s 81ms/step
>2170, dr[0.427,0.742], df[0.848,0.110], g[1.986,0.145]
1/1 [=====] - 0s 84ms/step
>2171, dr[0.635,0.725], df[0.421,0.096], g[1.536,0.057]
1/1 [=====] - 0s 83ms/step
>2172, dr[0.559,0.505], df[0.497,0.093], g[1.815,0.156]
1/1 [=====] - 0s 86ms/step
>2173, dr[0.760,0.545], df[0.598,0.077], g[1.359,0.136]
1/1 [=====] - 0s 81ms/step
>2174, dr[0.427,0.750], df[0.677,0.085], g[1.865,0.092]
1/1 [=====] - 0s 90ms/step
>2175, dr[0.734,0.366], df[0.865,0.126], g[2.096,0.056]
1/1 [=====] - 0s 82ms/step
>2176, dr[0.429,0.595], df[0.322,0.062], g[1.689,0.053]
1/1 [=====] - 0s 84ms/step
>2177, dr[0.509,0.595], df[0.514,0.287], g[1.361,0.135]
1/1 [=====] - 0s 87ms/step
>2178, dr[0.352,0.488], df[0.509,0.157], g[1.870,0.076]
1/1 [=====] - 0s 78ms/step
>2179, dr[0.693,0.720], df[0.454,0.162], g[1.411,0.102]
1/1 [=====] - 0s 87ms/step
>2180, dr[0.509,0.683], df[0.513,0.023], g[1.717,0.202]
1/1 [=====] - 0s 92ms/step
>2181, dr[0.497,0.448], df[0.390,0.158], g[1.555,0.129]
1/1 [=====] - 0s 81ms/step
>2182, dr[0.506,0.858], df[0.458,0.067], g[1.333,0.167]
1/1 [=====] - 0s 83ms/step
>2183, dr[0.271,0.780], df[0.459,0.246], g[1.291,0.090]
1/1 [=====] - 0s 75ms/step
>2184, dr[0.302,0.604], df[0.381,0.099], g[1.729,0.115]
1/1 [=====] - 0s 78ms/step
>2185, dr[0.346,0.460], df[0.348,0.066], g[1.724,0.073]
1/1 [=====] - 0s 87ms/step
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>2186, dr[0.486,0.374], df[0.399,0.034], g[1.579,0.088]
1/1 [=====] - 0s 81ms/step
>2187, dr[0.804,0.934], df[0.815,0.164], g[1.210,0.128]
1/1 [=====] - 0s 87ms/step
>2188, dr[0.268,0.551], df[0.557,0.096], g[1.821,0.154]
1/1 [=====] - 0s 80ms/step
>2189, dr[0.906,0.586], df[0.643,0.122], g[1.579,0.058]
1/1 [=====] - 0s 78ms/step
>2190, dr[0.482,0.728], df[0.537,0.101], g[1.548,0.040]
1/1 [=====] - 0s 80ms/step
>2191, dr[0.431,0.504], df[0.348,0.104], g[1.564,0.053]
1/1 [=====] - 0s 75ms/step
>2192, dr[0.403,0.403], df[0.638,0.058], g[1.501,0.103]
1/1 [=====] - 0s 82ms/step
>2193, dr[0.527,1.199], df[0.524,0.079], g[1.213,0.140]
1/1 [=====] - 0s 82ms/step
>2194, dr[0.477,0.590], df[0.971,0.171], g[1.752,0.133]
1/1 [=====] - 0s 86ms/step
>2195, dr[0.427,0.907], df[0.500,0.066], g[1.981,0.119]
1/1 [=====] - 0s 79ms/step
>2196, dr[0.554,0.528], df[0.318,0.074], g[2.034,0.064]
1/1 [=====] - 0s 70ms/step
>2197, dr[0.688,0.554], df[0.548,0.114], g[1.675,0.114]
1/1 [=====] - 0s 97ms/step
>2198, dr[0.468,0.432], df[0.683,0.196], g[1.643,0.111]
1/1 [=====] - 0s 72ms/step
>2199, dr[0.391,0.344], df[0.470,0.040], g[1.843,0.102]
1/1 [=====] - 0s 80ms/step
>2200, dr[0.437,1.669], df[0.528,0.047], g[1.665,0.095]
1/1 [=====] - 0s 73ms/step
>2201, dr[0.754,0.556], df[0.402,0.056], g[1.450,0.073]
1/1 [=====] - 0s 76ms/step
>2202, dr[0.388,0.795], df[0.885,0.226], g[1.720,0.030]
1/1 [=====] - 0s 79ms/step
>2203, dr[0.575,0.672], df[0.324,0.147], g[1.786,0.125]
1/1 [=====] - 0s 74ms/step
>2204, dr[0.421,0.366], df[0.547,0.140], g[1.427,0.076]
1/1 [=====] - 0s 82ms/step
>2205, dr[0.645,1.008], df[0.637,0.164], g[1.840,0.102]
1/1 [=====] - 0s 75ms/step
>2206, dr[0.748,0.521], df[0.404,0.167], g[1.603,0.192]
1/1 [=====] - 0s 80ms/step
>2207, dr[0.413,0.493], df[0.569,0.145], g[1.392,0.063]
1/1 [=====] - 0s 71ms/step
>2208, dr[0.239,0.486], df[0.446,0.112], g[1.757,0.043]
1/1 [=====] - 0s 76ms/step
>2209, dr[0.443,0.449], df[0.618,0.121], g[1.809,0.072]
1/1 [=====] - 0s 72ms/step
>2210, dr[0.566,0.729], df[0.516,0.052], g[1.991,0.092]
1/1 [=====] - 0s 75ms/step
>2211, dr[0.701,0.614], df[0.516,0.036], g[1.547,0.101]
1/1 [=====] - 0s 80ms/step
>2212, dr[0.707,1.213], df[0.601,0.246], g[1.624,0.085]
1/1 [=====] - 0s 74ms/step
>2213, dr[0.540,0.617], df[0.730,0.165], g[1.233,0.072]
1/1 [=====] - 0s 82ms/step
>2214, dr[0.465,0.208], df[0.606,0.058], g[1.458,0.108]
1/1 [=====] - 0s 80ms/step
>2215, dr[0.457,0.537], df[0.378,0.105], g[1.916,0.067]
1/1 [=====] - 0s 83ms/step
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>2216, dr[0.450,0.573], df[0.314,0.151], g[1.924,0.085]
1/1 [=====] - 0s 81ms/step
>2217, dr[0.420,0.585], df[0.456,0.073], g[1.487,0.093]
1/1 [=====] - 0s 76ms/step
>2218, dr[0.454,0.739], df[0.466,0.175], g[1.260,0.165]
1/1 [=====] - 0s 77ms/step
>2219, dr[0.611,0.744], df[0.718,0.099], g[1.515,0.090]
1/1 [=====] - 0s 75ms/step
>2220, dr[0.390,0.320], df[0.605,0.042], g[1.747,0.059]
1/1 [=====] - 0s 77ms/step
>2221, dr[0.572,0.388], df[0.529,0.163], g[1.611,0.101]
1/1 [=====] - 0s 78ms/step
>2222, dr[0.376,0.436], df[0.466,0.081], g[1.583,0.151]
1/1 [=====] - 0s 78ms/step
>2223, dr[0.754,0.408], df[0.458,0.216], g[1.829,0.129]
1/1 [=====] - 0s 74ms/step
>2224, dr[0.553,0.692], df[0.634,0.254], g[1.769,0.127]
1/1 [=====] - 0s 73ms/step
>2225, dr[0.390,0.589], df[0.707,0.157], g[1.823,0.115]
1/1 [=====] - 0s 76ms/step
>2226, dr[0.619,0.940], df[0.448,0.041], g[1.808,0.068]
1/1 [=====] - 0s 75ms/step
>2227, dr[0.688,0.503], df[0.502,0.037], g[1.405,0.075]
1/1 [=====] - 0s 82ms/step
>2228, dr[0.461,0.469], df[0.371,0.082], g[1.632,0.130]
1/1 [=====] - 0s 74ms/step
>2229, dr[0.279,0.509], df[0.645,0.073], g[1.536,0.200]
1/1 [=====] - 0s 84ms/step
>2230, dr[0.674,1.131], df[0.545,0.102], g[1.628,0.098]
1/1 [=====] - 0s 77ms/step
>2231, dr[0.378,0.439], df[0.531,0.081], g[1.586,0.176]
1/1 [=====] - 0s 80ms/step
>2232, dr[0.481,0.693], df[0.351,0.059], g[1.744,0.110]
1/1 [=====] - 0s 75ms/step
>2233, dr[0.577,0.367], df[0.449,0.180], g[1.585,0.065]
1/1 [=====] - 0s 71ms/step
>2234, dr[0.522,0.292], df[0.463,0.067], g[1.580,0.160]
1/1 [=====] - 0s 77ms/step
>2235, dr[0.552,0.935], df[0.621,0.050], g[1.686,0.077]
1/1 [=====] - 0s 71ms/step
>2236, dr[0.366,0.978], df[0.598,0.130], g[2.120,0.100]
1/1 [=====] - 0s 77ms/step
>2237, dr[0.595,0.761], df[0.549,0.112], g[1.616,0.133]
1/1 [=====] - 0s 76ms/step
>2238, dr[0.605,0.790], df[0.385,0.062], g[1.466,0.139]
1/1 [=====] - 0s 81ms/step
>2239, dr[0.700,0.598], df[0.681,0.091], g[1.343,0.215]
1/1 [=====] - 0s 73ms/step
>2240, dr[0.416,0.641], df[0.816,0.083], g[1.644,0.080]
1/1 [=====] - 0s 98ms/step
>2241, dr[0.777,0.332], df[0.327,0.080], g[1.602,0.105]
1/1 [=====] - 0s 91ms/step
>2242, dr[0.490,0.492], df[0.522,0.077], g[1.372,0.109]
1/1 [=====] - 0s 84ms/step
>2243, dr[0.495,0.888], df[0.623,0.187], g[1.671,0.073]
1/1 [=====] - 0s 87ms/step
>2244, dr[0.436,0.655], df[0.509,0.115], g[1.935,0.152]
1/1 [=====] - 0s 87ms/step
>2245, dr[0.691,0.637], df[0.361,0.131], g[1.302,0.054]
1/1 [=====] - 0s 75ms/step
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>2246, dr[0.519,0.448], df[0.704,0.127], g[1.293,0.096]
1/1 [=====] - 0s 80ms/step
>2247, dr[0.366,0.627], df[0.410,0.101], g[1.403,0.140]
1/1 [=====] - 0s 76ms/step
>2248, dr[0.440,0.811], df[0.568,0.168], g[1.777,0.155]
1/1 [=====] - 0s 79ms/step
>2249, dr[0.649,0.300], df[0.422,0.058], g[1.510,0.049]
1/1 [=====] - 0s 72ms/step
>2250, dr[0.651,0.780], df[0.623,0.055], g[1.571,0.108]
1/1 [=====] - 0s 74ms/step
>2251, dr[0.318,0.614], df[0.502,0.067], g[1.585,0.133]
1/1 [=====] - 0s 75ms/step
>2252, dr[0.601,0.513], df[0.564,0.158], g[1.494,0.057]
1/1 [=====] - 0s 81ms/step
>2253, dr[0.689,0.586], df[0.638,0.234], g[1.328,0.116]
1/1 [=====] - 0s 76ms/step
>2254, dr[0.421,0.499], df[0.539,0.048], g[1.379,0.183]
1/1 [=====] - 0s 70ms/step
>2255, dr[0.434,1.008], df[0.834,0.142], g[1.843,0.087]
1/1 [=====] - 0s 77ms/step
>2256, dr[0.521,1.146], df[0.450,0.102], g[2.004,0.071]
1/1 [=====] - 0s 72ms/step
>2257, dr[0.807,0.610], df[0.336,0.100], g[1.585,0.078]
1/1 [=====] - 0s 78ms/step
>2258, dr[0.479,0.383], df[0.701,0.120], g[1.709,0.164]
1/1 [=====] - 0s 79ms/step
>2259, dr[0.614,1.021], df[0.436,0.043], g[1.346,0.152]
1/1 [=====] - 0s 75ms/step
>2260, dr[0.474,0.595], df[0.586,0.102], g[1.361,0.186]
1/1 [=====] - 0s 73ms/step
>2261, dr[0.460,0.765], df[0.342,0.113], g[1.618,0.171]
1/1 [=====] - 0s 71ms/step
>2262, dr[0.560,0.666], df[0.340,0.112], g[1.545,0.091]
1/1 [=====] - 0s 77ms/step
>2263, dr[0.508,0.534], df[0.592,0.070], g[1.469,0.104]
1/1 [=====] - 0s 71ms/step
>2264, dr[0.287,0.559], df[0.737,0.091], g[1.892,0.205]
1/1 [=====] - 0s 78ms/step
>2265, dr[0.621,0.465], df[0.436,0.058], g[2.138,0.064]
1/1 [=====] - 0s 73ms/step
>2266, dr[0.733,0.827], df[0.478,0.066], g[1.408,0.147]
1/1 [=====] - 0s 78ms/step
>2267, dr[0.393,0.738], df[0.473,0.080], g[1.529,0.155]
1/1 [=====] - 0s 71ms/step
>2268, dr[0.505,0.625], df[0.431,0.053], g[1.373,0.158]
1/1 [=====] - 0s 72ms/step
>2269, dr[0.365,0.514], df[0.457,0.107], g[1.817,0.180]
1/1 [=====] - 0s 71ms/step
>2270, dr[0.560,0.628], df[0.750,0.076], g[1.599,0.052]
1/1 [=====] - 0s 76ms/step
>2271, dr[0.699,0.347], df[0.496,0.043], g[1.662,0.041]
1/1 [=====] - 0s 82ms/step
>2272, dr[0.303,0.281], df[0.718,0.156], g[2.299,0.018]
1/1 [=====] - 0s 73ms/step
>2273, dr[0.551,0.654], df[0.540,0.106], g[1.773,0.096]
1/1 [=====] - 0s 80ms/step
>2274, dr[0.463,0.424], df[0.505,0.211], g[1.909,0.164]
1/1 [=====] - 0s 81ms/step
>2275, dr[0.816,0.560], df[0.416,0.143], g[1.548,0.164]
1/1 [=====] - 0s 72ms/step
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>2276, dr[0.753,0.491], df[0.490,0.060], g[1.121,0.122]
1/1 [=====] - 0s 74ms/step
>2277, dr[0.651,0.497], df[0.681,0.126], g[1.237,0.120]
1/1 [=====] - 0s 75ms/step
>2278, dr[0.417,0.765], df[0.594,0.044], g[1.740,0.074]
1/1 [=====] - 0s 74ms/step
>2279, dr[0.333,0.532], df[0.343,0.167], g[1.646,0.101]
1/1 [=====] - 0s 76ms/step
>2280, dr[0.646,1.322], df[0.512,0.069], g[1.585,0.142]
1/1 [=====] - 0s 90ms/step
>2281, dr[0.502,0.902], df[0.535,0.088], g[1.621,0.057]
1/1 [=====] - 0s 73ms/step
>2282, dr[0.355,0.792], df[0.424,0.051], g[1.551,0.088]
1/1 [=====] - 0s 79ms/step
>2283, dr[0.352,0.963], df[0.468,0.051], g[1.528,0.212]
1/1 [=====] - 0s 89ms/step
>2284, dr[0.501,0.402], df[0.624,0.145], g[1.497,0.113]
1/1 [=====] - 0s 78ms/step
>2285, dr[0.437,0.299], df[0.585,0.090], g[1.891,0.080]
1/1 [=====] - 0s 78ms/step
>2286, dr[0.760,0.643], df[0.564,0.131], g[1.540,0.051]
1/1 [=====] - 0s 74ms/step
>2287, dr[0.537,0.426], df[0.444,0.091], g[1.652,0.106]
1/1 [=====] - 0s 79ms/step
>2288, dr[0.374,0.643], df[0.781,0.119], g[1.834,0.142]
1/1 [=====] - 0s 71ms/step
>2289, dr[0.590,0.870], df[0.446,0.133], g[1.777,0.165]
1/1 [=====] - 0s 81ms/step
>2290, dr[0.515,0.496], df[0.457,0.156], g[1.876,0.106]
1/1 [=====] - 0s 71ms/step
>2291, dr[0.984,0.641], df[0.748,0.091], g[1.561,0.191]
1/1 [=====] - 0s 72ms/step
>2292, dr[0.494,0.763], df[0.512,0.102], g[1.656,0.114]
1/1 [=====] - 0s 71ms/step
>2293, dr[0.497,0.254], df[0.484,0.081], g[1.474,0.101]
1/1 [=====] - 0s 75ms/step
>2294, dr[0.511,0.979], df[0.795,0.066], g[1.682,0.072]
1/1 [=====] - 0s 79ms/step
>2295, dr[0.542,0.438], df[0.423,0.173], g[1.761,0.038]
1/1 [=====] - 0s 80ms/step
>2296, dr[0.661,0.389], df[0.424,0.075], g[1.499,0.063]
1/1 [=====] - 0s 81ms/step
>2297, dr[0.297,0.695], df[0.355,0.111], g[1.544,0.062]
1/1 [=====] - 0s 78ms/step
>2298, dr[0.682,0.770], df[0.618,0.043], g[1.616,0.064]
1/1 [=====] - 0s 87ms/step
>2299, dr[0.422,0.623], df[0.576,0.085], g[1.236,0.157]
1/1 [=====] - 0s 75ms/step
>2300, dr[0.597,0.384], df[0.425,0.053], g[1.298,0.066]
1/1 [=====] - 0s 84ms/step
>2301, dr[0.313,0.459], df[0.454,0.092], g[1.691,0.117]
1/1 [=====] - 0s 89ms/step
>2302, dr[0.606,0.716], df[0.618,0.075], g[1.602,0.094]
1/1 [=====] - 0s 73ms/step
>2303, dr[0.403,0.523], df[0.525,0.023], g[1.807,0.093]
1/1 [=====] - 0s 88ms/step
>2304, dr[0.643,0.783], df[0.521,0.223], g[1.487,0.140]
1/1 [=====] - 0s 81ms/step
>2305, dr[0.368,0.485], df[0.426,0.044], g[1.344,0.118]
1/1 [=====] - 0s 73ms/step
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>2306, dr[0.357,0.418], df[0.540,0.047], g[1.594,0.069]
1/1 [=====] - 0s 72ms/step
>2307, dr[0.457,0.494], df[0.395,0.059], g[1.750,0.108]
1/1 [=====] - 0s 80ms/step
>2308, dr[0.774,0.564], df[0.434,0.057], g[1.750,0.117]
1/1 [=====] - 0s 76ms/step
>2309, dr[0.314,1.028], df[0.397,0.027], g[1.573,0.077]
1/1 [=====] - 0s 76ms/step
>2310, dr[0.514,0.413], df[0.484,0.122], g[1.657,0.082]
1/1 [=====] - 0s 77ms/step
>2311, dr[0.437,0.628], df[0.657,0.120], g[1.720,0.075]
1/1 [=====] - 0s 69ms/step
>2312, dr[0.537,0.498], df[0.246,0.027], g[1.860,0.091]
1/1 [=====] - 0s 79ms/step
>2313, dr[0.439,0.401], df[0.453,0.086], g[1.573,0.063]
1/1 [=====] - 0s 77ms/step
>2314, dr[0.424,0.764], df[0.505,0.043], g[1.307,0.062]
1/1 [=====] - 0s 75ms/step
>2315, dr[0.349,0.762], df[0.538,0.151], g[1.699,0.146]
1/1 [=====] - 0s 80ms/step
>2316, dr[0.516,0.398], df[0.498,0.145], g[1.300,0.230]
1/1 [=====] - 0s 74ms/step
>2317, dr[0.382,0.401], df[0.498,0.100], g[1.612,0.072]
1/1 [=====] - 0s 77ms/step
>2318, dr[0.509,0.347], df[0.524,0.065], g[1.588,0.155]
1/1 [=====] - 0s 76ms/step
>2319, dr[0.410,0.445], df[0.675,0.149], g[1.674,0.154]
1/1 [=====] - 0s 77ms/step
>2320, dr[0.850,0.689], df[0.559,0.120], g[1.732,0.279]
1/1 [=====] - 0s 77ms/step
>2321, dr[0.589,0.384], df[0.649,0.056], g[1.756,0.179]
1/1 [=====] - 0s 73ms/step
>2322, dr[0.453,0.674], df[0.879,0.039], g[1.801,0.110]
1/1 [=====] - 0s 72ms/step
>2323, dr[0.572,0.554], df[0.285,0.041], g[2.113,0.138]
1/1 [=====] - 0s 78ms/step
>2324, dr[0.787,0.828], df[0.366,0.099], g[1.569,0.064]
1/1 [=====] - 0s 78ms/step
>2325, dr[0.413,0.622], df[0.501,0.092], g[1.281,0.128]
1/1 [=====] - 0s 76ms/step
>2326, dr[0.289,0.474], df[0.404,0.123], g[1.438,0.171]
1/1 [=====] - 0s 82ms/step
>2327, dr[0.493,0.640], df[0.414,0.078], g[1.399,0.143]
1/1 [=====] - 0s 84ms/step
>2328, dr[0.281,0.291], df[0.368,0.166], g[1.832,0.098]
1/1 [=====] - 0s 76ms/step
>2329, dr[0.504,0.788], df[0.407,0.044], g[1.589,0.079]
1/1 [=====] - 0s 80ms/step
>2330, dr[0.492,0.619], df[0.681,0.068], g[1.369,0.127]
1/1 [=====] - 0s 76ms/step
>2331, dr[0.473,0.560], df[0.597,0.044], g[1.278,0.110]
1/1 [=====] - 0s 88ms/step
>2332, dr[0.292,0.510], df[0.391,0.083], g[1.575,0.191]
1/1 [=====] - 0s 83ms/step
>2333, dr[0.340,0.522], df[0.404,0.090], g[1.711,0.173]
1/1 [=====] - 0s 94ms/step
>2334, dr[0.507,0.780], df[0.554,0.136], g[1.783,0.177]
1/1 [=====] - 0s 93ms/step
>2335, dr[0.400,0.583], df[0.259,0.061], g[1.968,0.107]
1/1 [=====] - 0s 79ms/step
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>2336, dr[0.685,0.734], df[0.411,0.110], g[1.541,0.213]
1/1 [=====] - 0s 86ms/step
>2337, dr[0.507,0.500], df[0.692,0.073], g[1.501,0.070]
1/1 [=====] - 0s 82ms/step
>2338, dr[0.441,0.345], df[0.515,0.137], g[1.392,0.156]
1/1 [=====] - 0s 82ms/step
>2339, dr[0.391,1.127], df[0.524,0.043], g[1.737,0.122]
1/1 [=====] - 0s 85ms/step
>2340, dr[0.494,0.701], df[0.453,0.063], g[1.699,0.067]
1/1 [=====] - 0s 76ms/step
>2341, dr[0.423,0.831], df[0.656,0.143], g[1.850,0.129]
1/1 [=====] - 0s 81ms/step
>2342, dr[0.649,1.033], df[0.475,0.095], g[1.816,0.103]
1/1 [=====] - 0s 80ms/step
>2343, dr[0.481,0.386], df[0.349,0.062], g[1.563,0.085]
1/1 [=====] - 0s 116ms/step
>2344, dr[0.424,0.558], df[0.711,0.119], g[1.721,0.172]
1/1 [=====] - 0s 115ms/step
>2345, dr[0.678,0.827], df[0.549,0.120], g[1.683,0.167]
1/1 [=====] - 0s 114ms/step
>2346, dr[0.532,0.582], df[0.403,0.126], g[1.560,0.104]
1/1 [=====] - 0s 136ms/step
>2347, dr[0.548,0.718], df[0.566,0.072], g[1.774,0.068]
1/1 [=====] - 0s 150ms/step
>2348, dr[0.849,0.627], df[0.599,0.055], g[1.613,0.079]
1/1 [=====] - 0s 85ms/step
>2349, dr[0.584,0.664], df[0.467,0.057], g[1.599,0.151]
1/1 [=====] - 0s 98ms/step
>2350, dr[0.324,0.432], df[0.339,0.097], g[1.386,0.062]
1/1 [=====] - 0s 90ms/step
>2351, dr[0.402,0.672], df[0.409,0.088], g[1.736,0.080]
1/1 [=====] - 0s 83ms/step
>2352, dr[0.487,0.555], df[0.586,0.156], g[1.846,0.128]
1/1 [=====] - 0s 85ms/step
>2353, dr[0.461,0.670], df[0.561,0.101], g[1.605,0.172]
1/1 [=====] - 0s 86ms/step
>2354, dr[0.457,0.698], df[0.512,0.057], g[1.667,0.147]
1/1 [=====] - 0s 108ms/step
>2355, dr[0.441,1.053], df[0.288,0.087], g[1.638,0.094]
1/1 [=====] - 0s 228ms/step
>2356, dr[0.410,0.655], df[0.555,0.166], g[1.672,0.078]
1/1 [=====] - 0s 146ms/step
>2357, dr[0.449,0.803], df[0.307,0.156], g[1.621,0.065]
1/1 [=====] - 0s 83ms/step
>2358, dr[0.410,0.488], df[0.485,0.048], g[1.475,0.110]
1/1 [=====] - 0s 97ms/step
>2359, dr[0.550,0.594], df[0.540,0.143], g[1.706,0.128]
1/1 [=====] - 0s 98ms/step
>2360, dr[0.549,0.642], df[0.232,0.103], g[1.558,0.079]
1/1 [=====] - 0s 99ms/step
>2361, dr[0.617,0.711], df[0.639,0.077], g[1.119,0.092]
1/1 [=====] - 0s 81ms/step
>2362, dr[0.439,0.619], df[0.495,0.115], g[1.107,0.120]
1/1 [=====] - 0s 93ms/step
>2363, dr[0.381,0.403], df[0.804,0.051], g[1.561,0.109]
1/1 [=====] - 0s 87ms/step
>2364, dr[0.682,0.640], df[0.399,0.214], g[1.423,0.096]
1/1 [=====] - 0s 92ms/step
>2365, dr[0.584,0.623], df[0.753,0.108], g[1.410,0.100]
1/1 [=====] - 0s 84ms/step
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>2366, dr[0.485,0.463], df[0.453,0.038], g[1.322,0.065]
1/1 [=====] - 0s 90ms/step
>2367, dr[0.471,0.506], df[0.768,0.277], g[1.595,0.063]
1/1 [=====] - 0s 86ms/step
>2368, dr[0.746,0.671], df[0.483,0.051], g[1.409,0.155]
1/1 [=====] - 0s 84ms/step
>2369, dr[0.516,0.341], df[0.679,0.211], g[1.244,0.111]
1/1 [=====] - 0s 92ms/step
>2370, dr[0.591,0.335], df[0.804,0.052], g[1.357,0.127]
1/1 [=====] - 0s 86ms/step
>2371, dr[0.718,1.458], df[0.801,0.294], g[1.611,0.096]
1/1 [=====] - 0s 82ms/step
>2372, dr[0.384,0.356], df[0.395,0.122], g[1.978,0.132]
1/1 [=====] - 0s 87ms/step
>2373, dr[0.864,0.695], df[0.523,0.044], g[1.554,0.085]
1/1 [=====] - 0s 86ms/step
>2374, dr[0.409,0.497], df[0.901,0.291], g[1.572,0.058]
1/1 [=====] - 0s 89ms/step
>2375, dr[0.576,0.579], df[0.494,0.173], g[1.437,0.072]
1/1 [=====] - 0s 95ms/step
>2376, dr[0.441,0.600], df[0.376,0.066], g[1.334,0.066]
1/1 [=====] - 0s 84ms/step
>2377, dr[0.574,0.737], df[0.499,0.115], g[1.493,0.052]
1/1 [=====] - 0s 110ms/step
>2378, dr[0.589,0.453], df[0.699,0.143], g[1.404,0.189]
1/1 [=====] - 0s 81ms/step
>2379, dr[0.471,0.457], df[0.461,0.115], g[1.571,0.053]
1/1 [=====] - 0s 84ms/step
>2380, dr[0.505,0.531], df[0.562,0.122], g[1.612,0.082]
1/1 [=====] - 0s 93ms/step
>2381, dr[0.518,0.670], df[0.495,0.071], g[1.587,0.079]
1/1 [=====] - 0s 102ms/step
>2382, dr[0.399,0.276], df[0.459,0.085], g[1.515,0.051]
1/1 [=====] - 0s 86ms/step
>2383, dr[0.646,0.542], df[0.565,0.033], g[1.508,0.063]
1/1 [=====] - 0s 90ms/step
>2384, dr[0.441,0.594], df[0.396,0.085], g[1.466,0.125]
1/1 [=====] - 0s 93ms/step
>2385, dr[0.604,0.830], df[0.492,0.076], g[1.220,0.113]
1/1 [=====] - 0s 99ms/step
>2386, dr[0.377,1.143], df[0.521,0.085], g[1.469,0.109]
1/1 [=====] - 0s 101ms/step
>2387, dr[0.578,0.334], df[0.698,0.067], g[1.664,0.060]
1/1 [=====] - 0s 108ms/step
>2388, dr[0.565,0.835], df[0.521,0.058], g[1.672,0.113]
1/1 [=====] - 0s 91ms/step
>2389, dr[0.537,0.659], df[0.458,0.077], g[1.907,0.109]
1/1 [=====] - 0s 91ms/step
>2390, dr[0.468,0.651], df[0.464,0.103], g[1.749,0.074]
1/1 [=====] - 0s 88ms/step
>2391, dr[0.540,0.459], df[0.500,0.056], g[1.266,0.087]
1/1 [=====] - 0s 89ms/step
>2392, dr[0.539,1.085], df[0.596,0.062], g[1.460,0.050]
1/1 [=====] - 0s 85ms/step
>2393, dr[0.625,0.374], df[0.470,0.041], g[1.319,0.072]
1/1 [=====] - 0s 109ms/step
>2394, dr[0.326,0.215], df[0.467,0.062], g[1.335,0.082]
1/1 [=====] - 0s 87ms/step
>2395, dr[0.487,0.583], df[0.495,0.063], g[1.432,0.052]
1/1 [=====] - 0s 95ms/step
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>2396, dr[0.494,0.679], df[0.548,0.064], g[1.618,0.128]
1/1 [=====] - 0s 87ms/step
>2397, dr[0.318,0.377], df[0.428,0.045], g[2.074,0.115]
1/1 [=====] - 0s 91ms/step
>2398, dr[0.976,0.697], df[0.569,0.063], g[1.532,0.113]
1/1 [=====] - 0s 97ms/step
>2399, dr[0.474,0.771], df[0.517,0.106], g[1.701,0.056]
1/1 [=====] - 0s 93ms/step
>2400, dr[0.609,0.581], df[0.679,0.073], g[1.415,0.079]
1/1 [=====] - 0s 91ms/step
>2401, dr[0.510,0.364], df[0.598,0.036], g[1.553,0.102]
1/1 [=====] - 0s 89ms/step
>2402, dr[0.488,0.949], df[0.721,0.105], g[1.596,0.085]
1/1 [=====] - 0s 91ms/step
>2403, dr[0.451,0.225], df[0.431,0.121], g[1.735,0.067]
1/1 [=====] - 0s 80ms/step
>2404, dr[0.404,0.719], df[0.517,0.069], g[1.936,0.133]
1/1 [=====] - 0s 77ms/step
>2405, dr[0.433,0.492], df[0.534,0.055], g[1.843,0.097]
1/1 [=====] - 0s 97ms/step
>2406, dr[0.599,0.593], df[0.536,0.049], g[1.841,0.122]
1/1 [=====] - 0s 86ms/step
>2407, dr[0.571,0.220], df[0.520,0.108], g[1.613,0.098]
1/1 [=====] - 0s 82ms/step
>2408, dr[0.556,0.244], df[0.406,0.062], g[1.301,0.095]
1/1 [=====] - 0s 79ms/step
>2409, dr[0.523,0.435], df[0.607,0.064], g[1.497,0.066]
1/1 [=====] - 0s 78ms/step
>2410, dr[0.247,0.445], df[0.456,0.107], g[1.454,0.215]
1/1 [=====] - 0s 75ms/step
>2411, dr[0.896,0.549], df[0.617,0.110], g[1.480,0.067]
1/1 [=====] - 0s 74ms/step
>2412, dr[0.452,0.518], df[0.425,0.175], g[1.508,0.075]
1/1 [=====] - 0s 73ms/step
>2413, dr[0.329,0.395], df[0.305,0.044], g[1.751,0.067]
1/1 [=====] - 0s 76ms/step
>2414, dr[0.517,0.900], df[0.742,0.146], g[1.703,0.066]
1/1 [=====] - 0s 80ms/step
>2415, dr[0.652,0.621], df[0.406,0.170], g[1.368,0.139]
1/1 [=====] - 0s 76ms/step
>2416, dr[0.428,0.214], df[0.633,0.110], g[1.381,0.063]
1/1 [=====] - 0s 82ms/step
>2417, dr[0.395,0.626], df[0.225,0.106], g[1.831,0.042]
1/1 [=====] - 0s 73ms/step
>2418, dr[0.680,0.302], df[0.549,0.164], g[1.371,0.065]
1/1 [=====] - 0s 76ms/step
>2419, dr[0.518,0.328], df[0.756,0.173], g[1.329,0.106]
1/1 [=====] - 0s 76ms/step
>2420, dr[0.374,0.498], df[0.429,0.085], g[1.539,0.105]
1/1 [=====] - 0s 74ms/step
>2421, dr[0.447,0.771], df[0.487,0.155], g[1.803,0.056]
1/1 [=====] - 0s 77ms/step
>2422, dr[0.560,0.699], df[0.431,0.113], g[1.603,0.092]
1/1 [=====] - 0s 75ms/step
>2423, dr[0.514,0.546], df[0.355,0.056], g[1.309,0.088]
1/1 [=====] - 0s 77ms/step
>2424, dr[0.500,0.731], df[0.610,0.135], g[1.419,0.031]
1/1 [=====] - 0s 80ms/step
>2425, dr[0.540,0.806], df[0.809,0.127], g[1.480,0.065]
1/1 [=====] - 0s 85ms/step
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>2426, dr[0.689,0.370], df[0.427,0.116], g[1.450,0.080]
1/1 [=====] - 0s 76ms/step
>2427, dr[0.448,0.531], df[0.565,0.076], g[1.378,0.192]
1/1 [=====] - 0s 76ms/step
>2428, dr[0.527,0.464], df[0.695,0.172], g[1.717,0.103]
1/1 [=====] - 0s 81ms/step
>2429, dr[0.521,0.644], df[0.493,0.064], g[1.932,0.140]
1/1 [=====] - 0s 81ms/step
>2430, dr[0.560,0.837], df[0.368,0.141], g[1.495,0.060]
1/1 [=====] - 0s 81ms/step
>2431, dr[0.594,0.383], df[0.780,0.051], g[1.179,0.118]
1/1 [=====] - 0s 79ms/step
>2432, dr[0.511,0.292], df[0.624,0.038], g[1.284,0.099]
1/1 [=====] - 0s 91ms/step
>2433, dr[0.681,0.756], df[0.520,0.055], g[1.013,0.045]
1/1 [=====] - 0s 82ms/step
>2434, dr[0.453,0.548], df[0.586,0.050], g[1.047,0.135]
1/1 [=====] - 0s 84ms/step
>2435, dr[0.378,0.517], df[0.544,0.061], g[1.556,0.059]
1/1 [=====] - 0s 99ms/step
>2436, dr[0.548,0.355], df[0.465,0.025], g[1.082,0.102]
1/1 [=====] - 0s 78ms/step
>2437, dr[0.439,0.843], df[0.514,0.038], g[1.394,0.097]
1/1 [=====] - 0s 91ms/step
>2438, dr[0.526,0.511], df[0.567,0.185], g[1.458,0.095]
1/1 [=====] - 0s 92ms/step
>2439, dr[0.650,0.551], df[0.464,0.133], g[1.604,0.086]
1/1 [=====] - 0s 80ms/step
>2440, dr[0.433,1.121], df[0.692,0.072], g[1.626,0.101]
1/1 [=====] - 0s 78ms/step
>2441, dr[0.528,0.172], df[0.629,0.056], g[1.550,0.204]
1/1 [=====] - 0s 74ms/step
>2442, dr[0.607,0.602], df[0.436,0.094], g[1.578,0.162]
1/1 [=====] - 0s 75ms/step
>2443, dr[0.782,0.619], df[0.453,0.125], g[1.443,0.056]
1/1 [=====] - 0s 73ms/step
>2444, dr[0.546,0.321], df[0.873,0.144], g[1.435,0.126]
1/1 [=====] - 0s 75ms/step
>2445, dr[0.413,0.798], df[0.705,0.220], g[1.425,0.150]
1/1 [=====] - 0s 81ms/step
>2446, dr[0.584,0.641], df[0.360,0.042], g[1.730,0.040]
1/1 [=====] - 0s 76ms/step
>2447, dr[0.508,0.520], df[0.441,0.063], g[1.329,0.106]
1/1 [=====] - 0s 80ms/step
>2448, dr[0.613,0.968], df[0.724,0.059], g[1.145,0.095]
1/1 [=====] - 0s 82ms/step
>2449, dr[0.442,0.903], df[0.529,0.026], g[1.386,0.083]
1/1 [=====] - 0s 84ms/step
>2450, dr[0.542,0.411], df[0.788,0.216], g[1.328,0.063]
1/1 [=====] - 0s 73ms/step
>2451, dr[0.469,0.660], df[0.311,0.063], g[1.431,0.150]
1/1 [=====] - 0s 72ms/step
>2452, dr[0.528,0.748], df[0.451,0.075], g[1.447,0.059]
1/1 [=====] - 0s 75ms/step
>2453, dr[0.425,0.724], df[0.520,0.037], g[1.264,0.081]
1/1 [=====] - 0s 77ms/step
>2454, dr[0.500,0.503], df[0.634,0.148], g[1.418,0.098]
1/1 [=====] - 0s 76ms/step
>2455, dr[0.455,0.581], df[0.617,0.080], g[1.430,0.122]
1/1 [=====] - 0s 73ms/step
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>2456, dr[0.487,0.664], df[0.531,0.055], g[1.741,0.080]
1/1 [=====] - 0s 81ms/step
>2457, dr[0.662,0.533], df[0.659,0.103], g[1.783,0.052]
1/1 [=====] - 0s 80ms/step
>2458, dr[1.014,0.866], df[0.629,0.077], g[1.418,0.075]
1/1 [=====] - 0s 80ms/step
>2459, dr[0.383,0.516], df[0.374,0.092], g[1.445,0.107]
1/1 [=====] - 0s 95ms/step
>2460, dr[0.314,0.507], df[0.457,0.184], g[1.451,0.070]
1/1 [=====] - 0s 84ms/step
>2461, dr[0.605,0.451], df[0.428,0.104], g[1.307,0.113]
1/1 [=====] - 0s 90ms/step
>2462, dr[0.471,0.347], df[0.432,0.085], g[1.174,0.038]
1/1 [=====] - 0s 78ms/step
>2463, dr[0.586,0.907], df[0.687,0.279], g[1.236,0.121]
1/1 [=====] - 0s 74ms/step
>2464, dr[0.320,0.592], df[0.612,0.119], g[1.843,0.058]
1/1 [=====] - 0s 72ms/step
>2465, dr[0.595,0.578], df[0.618,0.194], g[1.376,0.048]
1/1 [=====] - 0s 72ms/step
>2466, dr[0.346,0.318], df[0.471,0.203], g[1.698,0.074]
1/1 [=====] - 0s 80ms/step
>2467, dr[0.699,0.439], df[0.650,0.156], g[1.436,0.111]
1/1 [=====] - 0s 72ms/step
>2468, dr[0.710,0.602], df[0.668,0.036], g[1.527,0.120]
1/1 [=====] - 0s 79ms/step
>2469, dr[0.684,0.277], df[0.531,0.029], g[1.274,0.110]
1/1 [=====] - 0s 76ms/step
>2470, dr[0.517,0.718], df[0.599,0.034], g[1.405,0.114]
1/1 [=====] - 0s 90ms/step
>2471, dr[0.431,0.219], df[0.493,0.052], g[1.587,0.059]
1/1 [=====] - 0s 83ms/step
>2472, dr[0.722,0.582], df[0.534,0.091], g[1.379,0.099]
1/1 [=====] - 0s 75ms/step
>2473, dr[0.606,0.550], df[0.593,0.091], g[1.526,0.097]
1/1 [=====] - 0s 80ms/step
>2474, dr[0.436,0.378], df[0.625,0.065], g[1.519,0.092]
1/1 [=====] - 0s 80ms/step
>2475, dr[0.664,0.486], df[0.495,0.065], g[1.284,0.074]
1/1 [=====] - 0s 83ms/step
>2476, dr[0.371,0.550], df[0.465,0.054], g[1.462,0.067]
1/1 [=====] - 0s 78ms/step
>2477, dr[0.472,0.393], df[0.538,0.115], g[1.571,0.075]
1/1 [=====] - 0s 79ms/step
>2478, dr[0.550,0.234], df[0.600,0.125], g[1.732,0.069]
1/1 [=====] - 0s 88ms/step
>2479, dr[0.461,0.629], df[0.666,0.047], g[1.410,0.148]
1/1 [=====] - 0s 84ms/step
>2480, dr[0.638,0.404], df[0.437,0.086], g[1.536,0.152]
1/1 [=====] - 0s 97ms/step
>2481, dr[0.578,0.278], df[0.511,0.052], g[1.696,0.049]
1/1 [=====] - 0s 84ms/step
>2482, dr[0.623,0.482], df[0.517,0.064], g[1.329,0.074]
1/1 [=====] - 0s 83ms/step
>2483, dr[0.356,0.361], df[0.535,0.159], g[1.311,0.100]
1/1 [=====] - 0s 74ms/step
>2484, dr[0.563,0.599], df[0.703,0.053], g[1.870,0.072]
1/1 [=====] - 0s 81ms/step
>2485, dr[0.578,0.372], df[0.420,0.092], g[1.753,0.092]
1/1 [=====] - 0s 84ms/step
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>2486, dr[0.356,0.356], df[0.454,0.096], g[1.655,0.095]
1/1 [=====] - 0s 79ms/step
>2487, dr[0.368,0.673], df[0.360,0.051], g[1.435,0.057]
1/1 [=====] - 0s 88ms/step
>2488, dr[0.562,0.731], df[0.762,0.088], g[1.344,0.147]
1/1 [=====] - 0s 80ms/step
>2489, dr[0.347,0.369], df[0.585,0.115], g[1.657,0.134]
1/1 [=====] - 0s 78ms/step
>2490, dr[0.555,0.467], df[0.234,0.066], g[1.766,0.133]
1/1 [=====] - 0s 80ms/step
>2491, dr[0.530,0.690], df[0.744,0.198], g[1.674,0.055]
1/1 [=====] - 0s 78ms/step
>2492, dr[0.699,0.675], df[0.348,0.025], g[1.445,0.066]
1/1 [=====] - 0s 84ms/step
>2493, dr[0.522,0.528], df[0.656,0.068], g[1.617,0.035]
1/1 [=====] - 0s 74ms/step
>2494, dr[0.309,0.288], df[0.546,0.264], g[1.600,0.081]
1/1 [=====] - 0s 83ms/step
>2495, dr[0.384,0.639], df[0.344,0.099], g[1.707,0.179]
1/1 [=====] - 0s 83ms/step
>2496, dr[0.508,0.251], df[0.530,0.099], g[1.627,0.119]
1/1 [=====] - 0s 74ms/step
>2497, dr[0.613,0.701], df[0.520,0.057], g[1.618,0.078]
1/1 [=====] - 0s 78ms/step
>2498, dr[0.735,0.759], df[0.767,0.053], g[1.354,0.114]
1/1 [=====] - 0s 73ms/step
>2499, dr[0.496,0.604], df[0.463,0.022], g[1.453,0.069]
1/1 [=====] - 0s 81ms/step
>2500, dr[0.490,0.628], df[0.284,0.059], g[1.355,0.143]
1/1 [=====] - 0s 73ms/step
>2501, dr[0.454,0.637], df[0.412,0.078], g[1.471,0.148]
1/1 [=====] - 0s 77ms/step
>2502, dr[0.599,0.445], df[0.762,0.200], g[1.300,0.110]
1/1 [=====] - 0s 77ms/step
>2503, dr[0.419,0.653], df[0.573,0.077], g[1.478,0.068]
1/1 [=====] - 0s 76ms/step
>2504, dr[0.581,0.719], df[0.494,0.141], g[1.507,0.100]
1/1 [=====] - 0s 82ms/step
>2505, dr[0.485,0.633], df[0.516,0.058], g[1.507,0.072]
1/1 [=====] - 0s 77ms/step
>2506, dr[0.487,0.753], df[0.543,0.137], g[1.880,0.061]
1/1 [=====] - 0s 93ms/step
>2507, dr[0.416,0.644], df[0.432,0.075], g[1.301,0.126]
1/1 [=====] - 0s 79ms/step
>2508, dr[0.606,0.866], df[0.690,0.157], g[1.361,0.055]
1/1 [=====] - 0s 80ms/step
>2509, dr[0.477,0.618], df[0.613,0.032], g[1.536,0.081]
1/1 [=====] - 0s 74ms/step
>2510, dr[0.541,0.316], df[0.597,0.026], g[1.338,0.099]
1/1 [=====] - 0s 82ms/step
>2511, dr[0.567,0.612], df[0.473,0.069], g[1.527,0.121]
1/1 [=====] - 0s 80ms/step
>2512, dr[0.392,0.697], df[0.374,0.221], g[1.465,0.067]
1/1 [=====] - 0s 77ms/step
>2513, dr[0.337,0.560], df[0.728,0.089], g[1.551,0.073]
1/1 [=====] - 0s 78ms/step
>2514, dr[0.462,0.626], df[0.484,0.045], g[1.543,0.135]
1/1 [=====] - 0s 74ms/step
>2515, dr[0.626,0.573], df[0.613,0.055], g[1.528,0.066]
1/1 [=====] - 0s 81ms/step
```

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>2516, dr[0.373,0.467], df[0.736,0.171], g[1.780,0.129]
1/1 [=====] - 0s 77ms/step
>2517, dr[0.539,1.175], df[0.569,0.045], g[1.834,0.101]
1/1 [=====] - 0s 79ms/step
>2518, dr[0.562,0.564], df[0.533,0.140], g[1.712,0.073]
1/1 [=====] - 0s 86ms/step
>2519, dr[0.582,0.568], df[0.340,0.064], g[1.517,0.115]
1/1 [=====] - 0s 81ms/step
>2520, dr[0.473,0.832], df[0.459,0.117], g[1.352,0.124]
1/1 [=====] - 0s 78ms/step
>2521, dr[0.489,0.930], df[0.526,0.033], g[1.433,0.073]
1/1 [=====] - 0s 79ms/step
>2522, dr[0.466,0.502], df[0.755,0.063], g[1.792,0.093]
1/1 [=====] - 0s 77ms/step
>2523, dr[0.544,0.508], df[0.597,0.121], g[1.880,0.096]
1/1 [=====] - 0s 74ms/step
>2524, dr[0.745,0.762], df[0.486,0.136], g[1.597,0.054]
1/1 [=====] - 0s 79ms/step
>2525, dr[0.659,0.798], df[0.437,0.049], g[1.412,0.066]
1/1 [=====] - 0s 82ms/step
>2526, dr[0.449,0.543], df[0.826,0.103], g[1.550,0.055]
1/1 [=====] - 0s 79ms/step
>2527, dr[0.632,0.760], df[0.447,0.084], g[1.640,0.108]
1/1 [=====] - 0s 73ms/step
>2528, dr[0.590,0.760], df[0.464,0.124], g[1.244,0.116]
1/1 [=====] - 0s 74ms/step
>2529, dr[0.669,0.723], df[0.883,0.131], g[1.317,0.118]
1/1 [=====] - 0s 79ms/step
>2530, dr[0.456,1.099], df[0.471,0.122], g[1.617,0.096]
1/1 [=====] - 0s 73ms/step
>2531, dr[0.654,0.828], df[0.599,0.089], g[1.568,0.052]
1/1 [=====] - 0s 88ms/step
>2532, dr[0.687,0.457], df[0.605,0.195], g[1.322,0.084]
1/1 [=====] - 0s 94ms/step
>2533, dr[0.337,0.282], df[0.501,0.101], g[1.751,0.117]
1/1 [=====] - 0s 86ms/step
>2534, dr[0.472,0.671], df[0.420,0.078], g[1.556,0.205]
1/1 [=====] - 0s 83ms/step
>2535, dr[0.471,0.538], df[0.463,0.150], g[1.602,0.148]
1/1 [=====] - 0s 84ms/step
>2536, dr[0.433,0.560], df[0.595,0.109], g[1.569,0.155]
1/1 [=====] - 0s 84ms/step
>2537, dr[0.743,0.569], df[0.528,0.036], g[1.487,0.208]
1/1 [=====] - 0s 72ms/step
>2538, dr[0.495,0.486], df[0.514,0.144], g[1.461,0.095]
1/1 [=====] - 0s 87ms/step
>2539, dr[0.555,0.642], df[0.505,0.058], g[1.505,0.089]
1/1 [=====] - 0s 113ms/step
>2540, dr[0.458,0.499], df[0.498,0.067], g[1.480,0.118]
1/1 [=====] - 0s 86ms/step
>2541, dr[0.211,0.394], df[0.364,0.122], g[1.829,0.068]
1/1 [=====] - 0s 100ms/step
>2542, dr[0.700,0.552], df[0.641,0.069], g[1.745,0.065]
1/1 [=====] - 0s 83ms/step
>2543, dr[0.532,0.476], df[0.356,0.055], g[1.676,0.053]
1/1 [=====] - 0s 103ms/step
>2544, dr[0.459,0.538], df[0.423,0.113], g[1.288,0.157]
1/1 [=====] - 0s 89ms/step
>2545, dr[0.348,0.499], df[0.491,0.066], g[1.469,0.114]
1/1 [=====] - 0s 77ms/step
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>2546, dr[0.469,0.621], df[0.504,0.224], g[1.524,0.160]
1/1 [=====] - 0s 86ms/step
>2547, dr[0.370,0.740], df[0.549,0.274], g[1.473,0.107]
1/1 [=====] - 0s 76ms/step
>2548, dr[0.551,0.497], df[0.346,0.045], g[1.621,0.081]
1/1 [=====] - 0s 76ms/step
>2549, dr[0.453,1.494], df[0.575,0.095], g[1.442,0.055]
1/1 [=====] - 0s 77ms/step
>2550, dr[0.799,0.673], df[0.644,0.107], g[1.374,0.098]
1/1 [=====] - 0s 77ms/step
>2551, dr[0.375,0.526], df[0.643,0.074], g[1.382,0.065]
1/1 [=====] - 0s 86ms/step
>2552, dr[0.818,0.429], df[0.411,0.080], g[1.345,0.063]
1/1 [=====] - 0s 78ms/step
>2553, dr[0.464,0.796], df[0.688,0.263], g[1.366,0.126]
1/1 [=====] - 0s 83ms/step
>2554, dr[0.645,0.879], df[0.503,0.043], g[1.270,0.095]
1/1 [=====] - 0s 84ms/step
>2555, dr[0.563,0.269], df[0.474,0.047], g[1.648,0.060]
1/1 [=====] - 0s 85ms/step
>2556, dr[0.527,0.380], df[0.529,0.120], g[1.400,0.159]
1/1 [=====] - 0s 103ms/step
>2557, dr[0.592,0.814], df[0.667,0.048], g[1.180,0.097]
1/1 [=====] - 0s 87ms/step
>2558, dr[0.669,0.874], df[0.716,0.201], g[1.275,0.127]
1/1 [=====] - 0s 84ms/step
>2559, dr[0.496,0.914], df[0.608,0.051], g[1.372,0.079]
1/1 [=====] - 0s 73ms/step
>2560, dr[0.522,0.541], df[0.561,0.106], g[1.593,0.100]
1/1 [=====] - 0s 75ms/step
>2561, dr[0.455,0.454], df[0.525,0.128], g[1.629,0.127]
1/1 [=====] - 0s 73ms/step
>2562, dr[1.101,0.500], df[0.482,0.124], g[1.273,0.103]
1/1 [=====] - 0s 72ms/step
>2563, dr[0.445,0.326], df[0.738,0.088], g[1.124,0.156]
1/1 [=====] - 0s 78ms/step
>2564, dr[0.362,0.742], df[0.549,0.055], g[1.701,0.061]
1/1 [=====] - 0s 79ms/step
>2565, dr[0.616,0.602], df[0.282,0.124], g[1.480,0.044]
1/1 [=====] - 0s 81ms/step
>2566, dr[0.445,0.430], df[0.455,0.145], g[1.266,0.188]
1/1 [=====] - 0s 72ms/step
>2567, dr[0.413,0.425], df[0.503,0.070], g[1.354,0.077]
1/1 [=====] - 0s 76ms/step
>2568, dr[0.492,0.743], df[0.541,0.085], g[1.482,0.139]
1/1 [=====] - 0s 79ms/step
>2569, dr[0.464,1.456], df[0.402,0.110], g[1.497,0.052]
1/1 [=====] - 0s 74ms/step
>2570, dr[0.501,0.414], df[0.667,0.117], g[1.578,0.058]
1/1 [=====] - 0s 78ms/step
>2571, dr[0.516,0.499], df[0.324,0.037], g[1.310,0.098]
1/1 [=====] - 0s 77ms/step
>2572, dr[0.601,0.336], df[0.570,0.094], g[1.178,0.153]
1/1 [=====] - 0s 82ms/step
>2573, dr[0.445,0.595], df[0.582,0.076], g[1.520,0.064]
1/1 [=====] - 0s 75ms/step
>2574, dr[0.448,0.840], df[0.600,0.059], g[1.152,0.113]
1/1 [=====] - 0s 80ms/step
>2575, dr[0.487,0.903], df[0.368,0.104], g[1.337,0.100]
1/1 [=====] - 0s 72ms/step
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>2576, dr[0.389,0.793], df[0.626,0.113], g[1.396,0.097]
1/1 [=====] - 0s 80ms/step
>2577, dr[0.497,0.703], df[0.554,0.064], g[1.615,0.149]
1/1 [=====] - 0s 71ms/step
>2578, dr[0.503,0.694], df[0.440,0.085], g[1.747,0.172]
1/1 [=====] - 0s 79ms/step
>2579, dr[0.657,0.388], df[0.516,0.115], g[1.523,0.101]
1/1 [=====] - 0s 73ms/step
>2580, dr[0.479,0.743], df[0.578,0.058], g[1.781,0.119]
1/1 [=====] - 0s 77ms/step
>2581, dr[0.460,0.267], df[0.325,0.120], g[1.591,0.087]
1/1 [=====] - 0s 76ms/step
>2582, dr[0.689,0.435], df[0.514,0.122], g[1.321,0.074]
1/1 [=====] - 0s 73ms/step
>2583, dr[0.554,0.225], df[0.572,0.024], g[1.377,0.041]
1/1 [=====] - 0s 86ms/step
>2584, dr[0.484,0.726], df[0.569,0.077], g[1.469,0.090]
1/1 [=====] - 0s 73ms/step
>2585, dr[0.674,0.437], df[0.698,0.131], g[1.343,0.094]
1/1 [=====] - 0s 80ms/step
>2586, dr[0.583,0.687], df[0.594,0.091], g[1.178,0.041]
1/1 [=====] - 0s 77ms/step
>2587, dr[0.559,0.952], df[0.746,0.117], g[1.502,0.113]
1/1 [=====] - 0s 81ms/step
>2588, dr[0.621,0.688], df[0.540,0.100], g[1.635,0.133]
1/1 [=====] - 0s 82ms/step
>2589, dr[0.563,0.545], df[0.469,0.124], g[1.836,0.113]
1/1 [=====] - 0s 84ms/step
>2590, dr[0.445,0.502], df[0.541,0.123], g[1.683,0.116]
1/1 [=====] - 0s 82ms/step
>2591, dr[0.548,0.522], df[0.432,0.055], g[1.581,0.098]
1/1 [=====] - 0s 83ms/step
>2592, dr[0.419,0.120], df[0.467,0.120], g[1.724,0.090]
1/1 [=====] - 0s 76ms/step
>2593, dr[0.508,0.734], df[0.569,0.146], g[1.527,0.139]
1/1 [=====] - 0s 88ms/step
>2594, dr[0.664,0.598], df[0.469,0.072], g[1.401,0.033]
1/1 [=====] - 0s 86ms/step
>2595, dr[0.400,0.756], df[0.424,0.055], g[1.416,0.097]
1/1 [=====] - 0s 89ms/step
>2596, dr[0.471,0.557], df[0.700,0.113], g[1.786,0.113]
1/1 [=====] - 0s 74ms/step
>2597, dr[0.576,0.753], df[0.374,0.104], g[1.709,0.133]
1/1 [=====] - 0s 81ms/step
>2598, dr[0.442,0.433], df[0.566,0.095], g[1.809,0.151]
1/1 [=====] - 0s 73ms/step
>2599, dr[0.446,0.653], df[0.579,0.176], g[1.723,0.256]
1/1 [=====] - 0s 80ms/step
>2600, dr[0.865,0.952], df[0.600,0.149], g[1.281,0.052]
1/1 [=====] - 0s 83ms/step
>2601, dr[0.767,1.001], df[0.394,0.046], g[1.249,0.118]
1/1 [=====] - 0s 81ms/step
>2602, dr[0.257,0.659], df[0.693,0.129], g[1.563,0.102]
1/1 [=====] - 0s 94ms/step
>2603, dr[0.409,0.674], df[0.639,0.067], g[2.024,0.125]
1/1 [=====] - 0s 83ms/step
>2604, dr[0.743,0.279], df[0.536,0.049], g[1.600,0.174]
1/1 [=====] - 0s 107ms/step
>2605, dr[0.641,0.581], df[0.496,0.065], g[1.416,0.177]
1/1 [=====] - 0s 80ms/step
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>2606, dr[0.538,0.511], df[0.537,0.055], g[1.585,0.060]
1/1 [=====] - 0s 80ms/step
>2607, dr[0.494,0.571], df[0.726,0.094], g[1.430,0.069]
1/1 [=====] - 0s 80ms/step
>2608, dr[0.491,0.445], df[0.357,0.058], g[1.978,0.072]
1/1 [=====] - 0s 74ms/step
>2609, dr[0.548,0.658], df[0.346,0.058], g[1.533,0.074]
1/1 [=====] - 0s 83ms/step
>2610, dr[0.356,0.388], df[0.448,0.032], g[1.536,0.113]
1/1 [=====] - 0s 74ms/step
>2611, dr[0.368,0.278], df[0.444,0.128], g[1.346,0.078]
1/1 [=====] - 0s 84ms/step
>2612, dr[0.477,0.845], df[0.392,0.283], g[1.287,0.091]
1/1 [=====] - 0s 88ms/step
>2613, dr[0.454,0.477], df[0.721,0.174], g[1.486,0.075]
1/1 [=====] - 0s 85ms/step
>2614, dr[0.613,0.744], df[0.544,0.059], g[1.464,0.136]
1/1 [=====] - 0s 84ms/step
>2615, dr[0.417,0.705], df[0.658,0.156], g[1.603,0.116]
1/1 [=====] - 0s 80ms/step
>2616, dr[0.494,0.614], df[0.396,0.039], g[1.569,0.085]
1/1 [=====] - 0s 84ms/step
>2617, dr[0.564,0.480], df[0.467,0.058], g[1.528,0.072]
1/1 [=====] - 0s 87ms/step
>2618, dr[0.479,0.294], df[0.487,0.098], g[1.285,0.119]
1/1 [=====] - 0s 89ms/step
>2619, dr[0.626,0.261], df[0.681,0.079], g[1.237,0.049]
1/1 [=====] - 0s 92ms/step
>2620, dr[0.486,0.476], df[0.885,0.079], g[1.617,0.054]
1/1 [=====] - 0s 79ms/step
>2621, dr[0.732,0.645], df[0.480,0.089], g[1.569,0.050]
1/1 [=====] - 0s 88ms/step
>2622, dr[0.841,0.726], df[0.473,0.097], g[1.185,0.102]
1/1 [=====] - 0s 76ms/step
>2623, dr[0.522,0.357], df[0.767,0.107], g[1.030,0.089]
1/1 [=====] - 0s 91ms/step
>2624, dr[0.442,0.499], df[0.717,0.132], g[1.517,0.092]
1/1 [=====] - 0s 85ms/step
>2625, dr[0.567,0.585], df[0.442,0.122], g[1.776,0.089]
1/1 [=====] - 0s 88ms/step
>2626, dr[0.592,0.581], df[0.481,0.072], g[1.476,0.060]
1/1 [=====] - 0s 100ms/step
>2627, dr[0.617,0.299], df[0.613,0.084], g[1.319,0.135]
1/1 [=====] - 0s 107ms/step
>2628, dr[0.340,0.580], df[0.499,0.217], g[1.439,0.076]
1/1 [=====] - 0s 85ms/step
>2629, dr[0.671,0.667], df[0.543,0.041], g[1.162,0.095]
1/1 [=====] - 0s 87ms/step
>2630, dr[0.405,0.336], df[0.484,0.042], g[1.235,0.092]
1/1 [=====] - 0s 83ms/step
>2631, dr[0.476,0.500], df[0.486,0.042], g[1.620,0.063]
1/1 [=====] - 0s 75ms/step
>2632, dr[0.575,0.977], df[0.682,0.122], g[1.339,0.163]
1/1 [=====] - 0s 84ms/step
>2633, dr[0.494,0.540], df[0.643,0.068], g[1.667,0.160]
1/1 [=====] - 0s 74ms/step
>2634, dr[0.673,0.450], df[0.686,0.164], g[1.698,0.071]
1/1 [=====] - 0s 79ms/step
>2635, dr[0.458,1.048], df[0.412,0.096], g[1.534,0.150]
1/1 [=====] - 0s 81ms/step
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>2636, dr[0.613,0.384], df[0.546,0.062], g[1.732,0.064]
1/1 [=====] - 0s 74ms/step
>2637, dr[0.760,0.282], df[0.748,0.063], g[1.456,0.043]
1/1 [=====] - 0s 73ms/step
>2638, dr[0.542,0.565], df[0.449,0.090], g[1.141,0.084]
1/1 [=====] - 0s 79ms/step
>2639, dr[0.373,0.568], df[0.494,0.023], g[1.212,0.105]
1/1 [=====] - 0s 90ms/step
>2640, dr[0.344,0.344], df[0.441,0.123], g[1.394,0.114]
1/1 [=====] - 0s 85ms/step
>2641, dr[0.479,0.477], df[0.529,0.089], g[1.702,0.121]
1/1 [=====] - 0s 85ms/step
>2642, dr[0.862,0.727], df[0.524,0.108], g[1.450,0.086]
1/1 [=====] - 0s 90ms/step
>2643, dr[0.470,0.695], df[0.536,0.078], g[1.300,0.100]
1/1 [=====] - 0s 77ms/step
>2644, dr[0.668,0.579], df[0.579,0.173], g[1.367,0.042]
1/1 [=====] - 0s 86ms/step
>2645, dr[0.562,0.626], df[0.645,0.159], g[1.333,0.152]
1/1 [=====] - 0s 88ms/step
>2646, dr[0.424,0.863], df[0.461,0.068], g[1.612,0.064]
1/1 [=====] - 0s 88ms/step
>2647, dr[0.588,0.641], df[0.367,0.067], g[1.143,0.155]
1/1 [=====] - 0s 76ms/step
>2648, dr[0.505,0.548], df[0.583,0.221], g[1.280,0.088]
1/1 [=====] - 0s 85ms/step
>2649, dr[0.489,0.773], df[0.736,0.040], g[1.331,0.049]
1/1 [=====] - 0s 73ms/step
>2650, dr[0.638,0.360], df[0.546,0.076], g[1.476,0.071]
1/1 [=====] - 0s 77ms/step
>2651, dr[0.773,0.371], df[0.508,0.145], g[1.395,0.059]
1/1 [=====] - 0s 76ms/step
>2652, dr[0.454,0.935], df[0.575,0.051], g[1.230,0.201]
1/1 [=====] - 0s 73ms/step
>2653, dr[0.349,0.647], df[0.505,0.134], g[1.273,0.111]
1/1 [=====] - 0s 81ms/step
>2654, dr[0.737,0.799], df[0.668,0.057], g[1.348,0.091]
1/1 [=====] - 0s 78ms/step
>2655, dr[0.505,0.602], df[0.759,0.280], g[1.588,0.095]
1/1 [=====] - 0s 79ms/step
>2656, dr[0.689,0.606], df[0.418,0.075], g[1.372,0.119]
1/1 [=====] - 0s 81ms/step
>2657, dr[0.495,0.651], df[0.584,0.067], g[1.403,0.096]
1/1 [=====] - 0s 80ms/step
>2658, dr[0.374,0.597], df[0.433,0.163], g[1.401,0.143]
1/1 [=====] - 0s 82ms/step
>2659, dr[0.493,0.508], df[0.390,0.111], g[1.392,0.117]
1/1 [=====] - 0s 73ms/step
>2660, dr[0.556,0.551], df[0.682,0.081], g[1.396,0.114]
1/1 [=====] - 0s 87ms/step
>2661, dr[0.447,0.468], df[0.514,0.050], g[1.394,0.095]
1/1 [=====] - 0s 73ms/step
>2662, dr[0.514,0.521], df[0.410,0.031], g[1.149,0.073]
1/1 [=====] - 0s 82ms/step
>2663, dr[0.518,0.462], df[0.659,0.076], g[1.262,0.063]
1/1 [=====] - 0s 81ms/step
>2664, dr[0.435,0.617], df[0.387,0.043], g[1.061,0.061]
1/1 [=====] - 0s 76ms/step
>2665, dr[0.590,0.243], df[0.661,0.078], g[1.454,0.045]
1/1 [=====] - 0s 79ms/step
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>2666, dr[0.396,0.794], df[0.585,0.061], g[1.636,0.045]
1/1 [=====] - 0s 78ms/step
>2667, dr[0.590,0.947], df[0.579,0.197], g[1.115,0.061]
1/1 [=====] - 0s 82ms/step
>2668, dr[0.570,0.503], df[0.539,0.082], g[1.549,0.055]
1/1 [=====] - 0s 75ms/step
>2669, dr[0.645,0.830], df[0.553,0.179], g[1.338,0.112]
1/1 [=====] - 0s 92ms/step
>2670, dr[0.491,0.574], df[0.497,0.059], g[1.287,0.192]
1/1 [=====] - 0s 79ms/step
>2671, dr[0.386,0.380], df[0.461,0.030], g[1.389,0.058]
1/1 [=====] - 0s 77ms/step
>2672, dr[0.651,0.453], df[0.392,0.114], g[1.289,0.058]
1/1 [=====] - 0s 77ms/step
>2673, dr[0.606,0.450], df[0.712,0.084], g[1.331,0.080]
1/1 [=====] - 0s 79ms/step
>2674, dr[0.385,0.300], df[0.780,0.054], g[1.426,0.125]
1/1 [=====] - 0s 77ms/step
>2675, dr[0.559,0.959], df[0.500,0.063], g[1.580,0.074]
1/1 [=====] - 0s 75ms/step
>2676, dr[0.699,0.735], df[0.584,0.129], g[1.924,0.066]
1/1 [=====] - 0s 81ms/step
>2677, dr[0.632,0.674], df[0.578,0.099], g[1.560,0.063]
1/1 [=====] - 0s 76ms/step
>2678, dr[0.511,0.887], df[0.556,0.163], g[1.866,0.100]
1/1 [=====] - 0s 83ms/step
>2679, dr[0.664,0.651], df[0.603,0.078], g[1.928,0.069]
1/1 [=====] - 0s 73ms/step
>2680, dr[0.438,0.260], df[0.376,0.113], g[1.673,0.056]
1/1 [=====] - 0s 81ms/step
>2681, dr[0.739,0.343], df[0.535,0.259], g[1.473,0.074]
1/1 [=====] - 0s 77ms/step
>2682, dr[0.495,0.768], df[0.457,0.082], g[1.421,0.107]
1/1 [=====] - 0s 84ms/step
>2683, dr[0.726,0.430], df[0.796,0.112], g[1.461,0.151]
1/1 [=====] - 0s 90ms/step
>2684, dr[0.562,0.353], df[0.841,0.093], g[1.633,0.085]
1/1 [=====] - 0s 85ms/step
>2685, dr[0.517,0.577], df[0.650,0.079], g[1.813,0.066]
1/1 [=====] - 0s 86ms/step
>2686, dr[0.615,0.637], df[0.283,0.080], g[1.447,0.105]
1/1 [=====] - 0s 74ms/step
>2687, dr[0.604,0.394], df[0.563,0.137], g[1.425,0.059]
1/1 [=====] - 0s 85ms/step
>2688, dr[0.630,0.577], df[0.793,0.136], g[1.377,0.035]
1/1 [=====] - 0s 78ms/step
>2689, dr[0.512,0.926], df[0.725,0.018], g[1.413,0.142]
1/1 [=====] - 0s 79ms/step
>2690, dr[0.460,0.574], df[0.474,0.087], g[1.407,0.080]
1/1 [=====] - 0s 84ms/step
>2691, dr[0.398,0.754], df[0.394,0.100], g[1.575,0.052]
1/1 [=====] - 0s 76ms/step
>2692, dr[0.681,0.678], df[0.535,0.051], g[1.283,0.115]
1/1 [=====] - 0s 83ms/step
>2693, dr[0.586,0.298], df[0.572,0.161], g[1.316,0.054]
1/1 [=====] - 0s 86ms/step
>2694, dr[0.608,0.549], df[0.524,0.030], g[1.270,0.046]
1/1 [=====] - 0s 84ms/step
>2695, dr[0.547,0.501], df[0.670,0.221], g[1.549,0.043]
1/1 [=====] - 0s 84ms/step
```

```
>2696, dr[0.401,0.786], df[0.644,0.039], g[1.603,0.089]
1/1 [=====] - 0s 90ms/step
>2697, dr[0.433,0.344], df[0.427,0.085], g[1.682,0.084]
1/1 [=====] - 0s 78ms/step
>2698, dr[0.631,0.610], df[0.514,0.082], g[1.448,0.062]
1/1 [=====] - 0s 77ms/step
>2699, dr[0.686,0.813], df[0.630,0.084], g[1.263,0.062]
1/1 [=====] - 0s 74ms/step
>2700, dr[0.656,0.526], df[0.904,0.111], g[1.213,0.212]
1/1 [=====] - 0s 80ms/step
>2701, dr[0.705,0.763], df[0.551,0.240], g[1.456,0.038]
1/1 [=====] - 0s 79ms/step
>2702, dr[0.394,0.671], df[0.488,0.044], g[1.635,0.122]
1/1 [=====] - 0s 77ms/step
>2703, dr[0.566,0.723], df[0.580,0.061], g[1.512,0.092]
1/1 [=====] - 0s 79ms/step
>2704, dr[0.653,0.519], df[0.605,0.041], g[1.476,0.116]
1/1 [=====] - 0s 77ms/step
>2705, dr[0.530,0.568], df[0.562,0.044], g[1.248,0.089]
1/1 [=====] - 0s 78ms/step
>2706, dr[0.682,0.381], df[0.761,0.104], g[1.188,0.139]
1/1 [=====] - 0s 79ms/step
>2707, dr[0.464,0.355], df[0.588,0.212], g[1.262,0.077]
1/1 [=====] - 0s 91ms/step
>2708, dr[0.491,0.781], df[0.521,0.141], g[1.561,0.092]
1/1 [=====] - 0s 76ms/step
>2709, dr[0.404,0.338], df[0.543,0.084], g[1.389,0.109]
1/1 [=====] - 0s 80ms/step
>2710, dr[0.603,0.532], df[0.727,0.095], g[1.265,0.097]
1/1 [=====] - 0s 78ms/step
>2711, dr[0.558,0.883], df[0.620,0.127], g[1.361,0.114]
1/1 [=====] - 0s 78ms/step
>2712, dr[0.552,0.551], df[0.509,0.084], g[1.317,0.056]
1/1 [=====] - 0s 79ms/step
>2713, dr[0.608,0.693], df[0.622,0.047], g[1.342,0.131]
1/1 [=====] - 0s 76ms/step
>2714, dr[0.429,0.727], df[0.563,0.033], g[1.522,0.063]
1/1 [=====] - 0s 86ms/step
>2715, dr[0.645,0.935], df[0.573,0.128], g[1.576,0.039]
1/1 [=====] - 0s 80ms/step
>2716, dr[0.685,0.833], df[0.395,0.144], g[1.522,0.077]
1/1 [=====] - 0s 82ms/step
>2717, dr[0.435,0.451], df[0.606,0.112], g[1.568,0.103]
1/1 [=====] - 0s 80ms/step
>2718, dr[0.553,0.727], df[0.560,0.059], g[1.343,0.129]
1/1 [=====] - 0s 77ms/step
>2719, dr[0.771,1.067], df[0.515,0.073], g[1.130,0.086]
1/1 [=====] - 0s 76ms/step
>2720, dr[0.612,0.670], df[0.652,0.110], g[1.275,0.116]
1/1 [=====] - 0s 77ms/step
>2721, dr[0.333,0.492], df[0.589,0.046], g[1.333,0.086]
1/1 [=====] - 0s 79ms/step
>2722, dr[0.475,0.838], df[0.616,0.037], g[1.676,0.079]
1/1 [=====] - 0s 76ms/step
>2723, dr[0.787,0.486], df[0.523,0.034], g[1.427,0.175]
1/1 [=====] - 0s 83ms/step
>2724, dr[0.737,0.288], df[0.881,0.288], g[1.194,0.067]
1/1 [=====] - 0s 78ms/step
>2725, dr[0.411,0.604], df[0.693,0.277], g[1.492,0.135]
1/1 [=====] - 0s 84ms/step
```

```
>2726, dr[0.836,0.200], df[0.693,0.060], g[1.597,0.130]
1/1 [=====] - 0s 80ms/step
>2727, dr[0.656,0.678], df[0.552,0.100], g[1.231,0.056]
1/1 [=====] - 0s 80ms/step
>2728, dr[0.503,0.141], df[0.613,0.064], g[1.325,0.074]
1/1 [=====] - 0s 76ms/step
>2729, dr[0.686,0.539], df[0.671,0.103], g[1.415,0.082]
1/1 [=====] - 0s 75ms/step
>2730, dr[0.728,1.015], df[0.872,0.084], g[1.456,0.066]
1/1 [=====] - 0s 81ms/step
>2731, dr[0.733,0.743], df[0.700,0.133], g[1.586,0.049]
1/1 [=====] - 0s 74ms/step
>2732, dr[0.631,0.615], df[0.512,0.065], g[1.149,0.092]
1/1 [=====] - 0s 85ms/step
>2733, dr[0.565,0.629], df[0.606,0.078], g[1.264,0.163]
1/1 [=====] - 0s 74ms/step
>2734, dr[0.475,0.242], df[0.606,0.162], g[1.628,0.031]
1/1 [=====] - 0s 81ms/step
>2735, dr[0.535,0.304], df[0.478,0.065], g[1.434,0.033]
1/1 [=====] - 0s 74ms/step
>2736, dr[0.619,0.532], df[0.280,0.074], g[1.215,0.112]
1/1 [=====] - 0s 81ms/step
>2737, dr[0.462,0.803], df[0.557,0.029], g[1.052,0.073]
1/1 [=====] - 0s 78ms/step
>2738, dr[0.483,0.327], df[0.838,0.183], g[1.318,0.144]
1/1 [=====] - 0s 91ms/step
>2739, dr[0.624,0.460], df[0.618,0.107], g[1.251,0.098]
1/1 [=====] - 0s 84ms/step
>2740, dr[0.550,0.674], df[0.548,0.084], g[1.440,0.043]
1/1 [=====] - 0s 78ms/step
>2741, dr[0.585,0.763], df[0.382,0.046], g[1.120,0.155]
1/1 [=====] - 0s 81ms/step
>2742, dr[0.500,0.869], df[0.776,0.062], g[1.493,0.042]
1/1 [=====] - 0s 76ms/step
>2743, dr[0.532,0.636], df[0.652,0.058], g[1.404,0.147]
1/1 [=====] - 0s 78ms/step
>2744, dr[0.584,0.323], df[0.695,0.305], g[1.536,0.057]
1/1 [=====] - 0s 79ms/step
>2745, dr[0.860,0.723], df[0.481,0.045], g[1.282,0.081]
1/1 [=====] - 0s 80ms/step
>2746, dr[0.477,0.556], df[0.507,0.073], g[1.056,0.160]
1/1 [=====] - 0s 86ms/step
>2747, dr[0.377,0.377], df[0.541,0.065], g[1.443,0.112]
1/1 [=====] - 0s 89ms/step
>2748, dr[0.772,0.696], df[0.721,0.059], g[1.435,0.046]
1/1 [=====] - 0s 86ms/step
>2749, dr[0.789,0.424], df[0.538,0.065], g[1.164,0.077]
1/1 [=====] - 0s 94ms/step
>2750, dr[0.419,0.563], df[0.607,0.060], g[1.230,0.101]
1/1 [=====] - 0s 80ms/step
>2751, dr[0.659,0.505], df[0.668,0.159], g[1.481,0.094]
1/1 [=====] - 0s 96ms/step
>2752, dr[0.472,0.677], df[0.683,0.073], g[1.568,0.114]
1/1 [=====] - 0s 79ms/step
>2753, dr[0.809,0.569], df[0.412,0.069], g[1.335,0.039]
1/1 [=====] - 0s 81ms/step
>2754, dr[0.579,0.710], df[0.592,0.098], g[1.098,0.041]
1/1 [=====] - 0s 94ms/step
>2755, dr[0.326,0.669], df[0.508,0.057], g[1.180,0.108]
1/1 [=====] - 0s 86ms/step
```

```
>2756, dr[0.349,0.375], df[0.469,0.067], g[1.190,0.084]
1/1 [=====] - 0s 82ms/step
>2757, dr[0.465,0.572], df[0.462,0.037], g[1.463,0.085]
1/1 [=====] - 0s 74ms/step
>2758, dr[0.419,0.433], df[0.462,0.070], g[1.271,0.112]
1/1 [=====] - 0s 78ms/step
>2759, dr[0.733,1.027], df[0.590,0.134], g[1.296,0.033]
1/1 [=====] - 0s 86ms/step
>2760, dr[0.468,0.854], df[0.711,0.045], g[1.567,0.110]
1/1 [=====] - 0s 84ms/step
>2761, dr[0.622,0.955], df[0.437,0.109], g[1.551,0.146]
1/1 [=====] - 0s 85ms/step
>2762, dr[0.510,0.783], df[0.325,0.125], g[1.788,0.038]
1/1 [=====] - 0s 79ms/step
>2763, dr[0.520,0.296], df[0.605,0.164], g[1.311,0.103]
1/1 [=====] - 0s 83ms/step
>2764, dr[0.523,0.865], df[0.610,0.037], g[1.233,0.062]
1/1 [=====] - 0s 85ms/step
>2765, dr[0.671,0.681], df[0.646,0.026], g[1.340,0.043]
1/1 [=====] - 0s 84ms/step
>2766, dr[0.636,0.920], df[0.528,0.051], g[1.570,0.128]
1/1 [=====] - 0s 86ms/step
>2767, dr[0.553,1.121], df[0.539,0.029], g[1.353,0.097]
1/1 [=====] - 0s 76ms/step
>2768, dr[0.497,0.434], df[0.595,0.076], g[1.503,0.042]
1/1 [=====] - 0s 76ms/step
>2769, dr[0.707,0.506], df[0.626,0.032], g[1.523,0.057]
1/1 [=====] - 0s 78ms/step
>2770, dr[0.508,0.518], df[0.529,0.047], g[1.574,0.071]
1/1 [=====] - 0s 76ms/step
>2771, dr[0.616,0.866], df[0.599,0.074], g[1.458,0.064]
1/1 [=====] - 0s 81ms/step
>2772, dr[0.670,0.423], df[0.543,0.047], g[1.286,0.086]
1/1 [=====] - 0s 79ms/step
>2773, dr[0.378,0.315], df[0.488,0.027], g[1.360,0.108]
1/1 [=====] - 0s 80ms/step
>2774, dr[0.499,0.383], df[0.664,0.086], g[1.563,0.054]
1/1 [=====] - 0s 77ms/step
>2775, dr[0.528,1.053], df[0.552,0.045], g[1.720,0.052]
1/1 [=====] - 0s 84ms/step
>2776, dr[0.502,0.586], df[0.602,0.053], g[1.611,0.108]
1/1 [=====] - 0s 82ms/step
>2777, dr[0.515,0.396], df[0.460,0.190], g[1.540,0.048]
1/1 [=====] - 0s 82ms/step
>2778, dr[0.572,0.225], df[0.350,0.037], g[1.629,0.065]
1/1 [=====] - 0s 80ms/step
>2779, dr[0.631,0.493], df[0.409,0.038], g[1.193,0.130]
1/1 [=====] - 0s 80ms/step
>2780, dr[0.527,0.591], df[0.846,0.211], g[1.128,0.169]
1/1 [=====] - 0s 85ms/step
>2781, dr[0.542,0.734], df[0.468,0.027], g[1.288,0.130]
1/1 [=====] - 0s 73ms/step
>2782, dr[0.561,0.845], df[0.894,0.128], g[1.433,0.077]
1/1 [=====] - 0s 83ms/step
>2783, dr[0.556,0.361], df[0.491,0.048], g[1.583,0.048]
1/1 [=====] - 0s 73ms/step
>2784, dr[0.656,0.521], df[0.496,0.085], g[1.702,0.041]
1/1 [=====] - 0s 76ms/step
>2785, dr[0.647,0.557], df[0.644,0.088], g[1.515,0.091]
1/1 [=====] - 0s 79ms/step
```

```

>2786, dr[0.436,0.635], df[0.582,0.043], g[1.688,0.035]
1/1 [=====] - 0s 75ms/step
>2787, dr[0.778,0.557], df[0.615,0.044], g[1.193,0.046]
1/1 [=====] - 0s 85ms/step
>2788, dr[0.480,0.798], df[0.623,0.130], g[1.267,0.165]
1/1 [=====] - 0s 79ms/step
>2789, dr[0.586,0.394], df[0.579,0.128], g[1.460,0.067]
1/1 [=====] - 0s 90ms/step
>2790, dr[0.703,0.501], df[0.559,0.067], g[1.525,0.068]
1/1 [=====] - 0s 78ms/step
>2791, dr[0.526,0.364], df[0.563,0.127], g[1.352,0.112]
1/1 [=====] - 0s 78ms/step
>2792, dr[0.618,0.368], df[0.563,0.070], g[1.365,0.084]
1/1 [=====] - 0s 81ms/step
>2793, dr[0.498,0.655], df[0.582,0.060], g[1.607,0.093]
1/1 [=====] - 0s 75ms/step
>2794, dr[0.650,0.530], df[0.665,0.122], g[1.231,0.129]
1/1 [=====] - 0s 80ms/step
>2795, dr[0.565,0.282], df[0.530,0.121], g[1.296,0.150]
1/1 [=====] - 0s 75ms/step
>2796, dr[0.440,0.429], df[0.596,0.158], g[1.281,0.063]
1/1 [=====] - 0s 83ms/step
>2797, dr[0.733,0.562], df[0.568,0.045], g[1.151,0.172]
1/1 [=====] - 0s 81ms/step
>2798, dr[0.711,0.403], df[0.424,0.120], g[1.078,0.077]
1/1 [=====] - 0s 76ms/step
>2799, dr[0.369,0.545], df[0.691,0.055], g[1.717,0.111]
1/1 [=====] - 0s 80ms/step
>2800, dr[0.398,0.431], df[0.505,0.047], g[1.526,0.104]
1/1 [=====] - 0s 81ms/step
>2801, dr[0.529,0.354], df[0.743,0.214], g[1.506,0.136]
1/1 [=====] - 0s 84ms/step
>2802, dr[0.731,0.989], df[0.420,0.069], g[1.616,0.042]
1/1 [=====] - 0s 78ms/step
>2803, dr[0.503,0.325], df[0.648,0.271], g[1.260,0.078]
1/1 [=====] - 0s 81ms/step
>2804, dr[0.530,0.364], df[0.617,0.053], g[1.471,0.057]
1/1 [=====] - 0s 74ms/step
>2805, dr[0.547,0.336], df[0.705,0.053], g[1.484,0.061]
1/1 [=====] - 0s 79ms/step
>2806, dr[0.622,0.782], df[0.515,0.079], g[1.528,0.110]
1/1 [=====] - 0s 76ms/step
>2807, dr[0.787,0.671], df[0.581,0.088], g[1.044,0.112]
1/1 [=====] - 0s 78ms/step
>2808, dr[0.460,0.394], df[0.770,0.074], g[1.230,0.107]
1/1 [=====] - 0s 79ms/step
>2809, dr[0.482,0.426], df[0.407,0.274], g[1.607,0.065]
1/1 [=====] - 0s 76ms/step
>2810, dr[0.396,0.441], df[0.455,0.069], g[1.361,0.098]
1/1 [=====] - 0s 81ms/step
>2811, dr[0.437,0.480], df[0.614,0.097], g[1.538,0.129]
4/4 [=====] - 0s 48ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
The runtime to fit this model was: 0:27:28.764957.

```

Let's show a summary of the discriminator.

```
In [2]: discriminator.summary()
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

4.2) Evaluate Model Performance

Let's generate fake images of clothes that can be used to calculate the inception scores.

In [4]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np

model = load_model('model_2811.h5')
latent_dim = 100
n_examples = 300

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()

# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0

# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```

n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 65ms/step
10/10 [=====] - 1s 68ms/step
10/10 [=====] - 1s 70ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 75ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 66ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 63ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [5]:

```
# calculate inception score in Keras
from math import floor
```

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 18s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 16s 2s/step
score 1.191498 0.0062109265
```

5) Model 4 - Experimentation with AC-GAN's Learning Rate

5.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0001, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)

```

```

# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and Label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0001, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)

```

```

# generate Labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in Latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=6, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in Latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error

```

```
_ ,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f,
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
    warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 189ms/step  
>1, dr[0.759,3.394], df[1.558,2.754], g[0.535,2.946]  
1/1 [=====] - 0s 70ms/step  
>2, dr[0.625,2.903], df[1.358,3.433], g[0.699,3.226]  
1/1 [=====] - 0s 73ms/step  
>3, dr[0.631,3.002], df[1.451,2.817], g[0.647,3.301]  
1/1 [=====] - 0s 71ms/step  
>4, dr[0.724,2.957], df[0.915,2.897], g[0.902,3.396]  
1/1 [=====] - 0s 68ms/step  
>5, dr[0.680,2.923], df[1.032,3.345], g[0.765,3.025]  
1/1 [=====] - 0s 71ms/step  
>6, dr[0.856,2.874], df[0.883,3.205], g[1.023,2.895]  
1/1 [=====] - 0s 67ms/step  
>7, dr[0.788,2.936], df[0.727,2.951], g[1.029,3.076]  
1/1 [=====] - 0s 76ms/step  
>8, dr[0.688,3.090], df[0.804,2.941], g[0.890,2.708]  
1/1 [=====] - 0s 82ms/step  
>9, dr[0.720,2.683], df[0.671,3.305], g[1.174,3.301]  
1/1 [=====] - 0s 88ms/step  
>10, dr[0.458,2.934], df[0.784,3.047], g[1.227,2.884]  
1/1 [=====] - 0s 78ms/step  
>11, dr[0.478,2.615], df[0.714,2.639], g[1.102,3.035]  
1/1 [=====] - 0s 82ms/step  
>12, dr[0.827,3.074], df[0.715,3.206], g[1.227,2.863]  
1/1 [=====] - 0s 70ms/step  
>13, dr[0.599,2.951], df[0.684,3.306], g[1.231,2.817]  
1/1 [=====] - 0s 72ms/step  
>14, dr[0.634,2.704], df[0.662,3.094], g[1.120,2.971]  
1/1 [=====] - 0s 71ms/step  
>15, dr[0.485,2.292], df[0.544,2.815], g[1.229,3.141]  
1/1 [=====] - 0s 80ms/step  
>16, dr[0.599,2.367], df[0.543,3.420], g[1.041,3.245]  
1/1 [=====] - 0s 87ms/step  
>17, dr[0.542,2.280], df[0.700,2.875], g[1.215,3.057]  
1/1 [=====] - 0s 68ms/step  
>18, dr[0.559,2.685], df[0.506,2.925], g[1.118,3.314]  
1/1 [=====] - 0s 76ms/step  
>19, dr[0.573,2.846], df[0.667,2.803], g[1.398,3.187]  
1/1 [=====] - 0s 78ms/step  
>20, dr[0.342,2.067], df[0.755,3.504], g[1.502,3.096]  
1/1 [=====] - 0s 76ms/step  
>21, dr[0.591,2.428], df[0.443,2.530], g[1.380,3.292]  
1/1 [=====] - 0s 68ms/step  
>22, dr[0.763,2.353], df[0.830,2.769], g[1.432,2.738]  
1/1 [=====] - 0s 64ms/step  
>23, dr[0.505,2.406], df[0.663,3.216], g[1.114,3.208]  
1/1 [=====] - 0s 68ms/step  
>24, dr[0.590,2.196], df[0.480,3.270], g[1.385,3.067]  
1/1 [=====] - 0s 106ms/step  
>25, dr[0.475,2.584], df[0.546,3.276], g[1.505,2.673]  
1/1 [=====] - 0s 88ms/step  
>26, dr[0.455,2.112], df[0.413,3.355], g[1.418,3.117]  
1/1 [=====] - 0s 81ms/step  
>27, dr[0.508,2.084], df[0.471,3.032], g[1.293,3.019]  
1/1 [=====] - 0s 80ms/step  
>28, dr[0.347,2.631], df[0.610,3.419], g[1.189,2.778]  
1/1 [=====] - 0s 71ms/step  
>29, dr[0.354,2.425], df[0.361,3.402], g[1.112,3.113]  
1/1 [=====] - 0s 143ms/step
```

```
>30, dr[0.561,2.496], df[0.535,3.170], g[1.053,2.952]
1/1 [=====] - 0s 86ms/step
>31, dr[0.418,2.096], df[0.619,3.307], g[0.901,2.782]
1/1 [=====] - 0s 107ms/step
>32, dr[0.402,1.890], df[0.587,3.182], g[1.061,2.938]
1/1 [=====] - 0s 120ms/step
>33, dr[0.294,2.024], df[0.607,3.171], g[0.707,3.067]
1/1 [=====] - 0s 109ms/step
>34, dr[0.664,1.988], df[0.798,2.795], g[0.928,3.083]
1/1 [=====] - 0s 73ms/step
>35, dr[0.525,1.746], df[0.549,2.955], g[0.872,3.556]
1/1 [=====] - 0s 71ms/step
>36, dr[0.406,1.990], df[0.686,3.158], g[0.922,3.143]
1/1 [=====] - 0s 85ms/step
>37, dr[0.344,1.890], df[0.663,3.596], g[0.903,2.956]
1/1 [=====] - 0s 80ms/step
>38, dr[0.587,1.938], df[0.358,2.983], g[0.855,3.095]
1/1 [=====] - 0s 81ms/step
>39, dr[0.410,2.388], df[0.494,2.956], g[0.705,3.148]
1/1 [=====] - 0s 73ms/step
>40, dr[0.707,1.924], df[0.584,3.060], g[0.810,3.094]
1/1 [=====] - 0s 97ms/step
>41, dr[0.492,1.902], df[0.582,3.285], g[0.597,3.281]
1/1 [=====] - 0s 86ms/step
>42, dr[0.487,1.761], df[0.643,2.848], g[0.621,2.841]
1/1 [=====] - 0s 93ms/step
>43, dr[0.478,1.957], df[0.404,3.118], g[0.768,2.971]
1/1 [=====] - 0s 84ms/step
>44, dr[0.590,1.976], df[0.520,2.986], g[0.641,3.114]
1/1 [=====] - 0s 77ms/step
>45, dr[0.374,2.163], df[0.365,3.073], g[0.671,2.999]
1/1 [=====] - 0s 80ms/step
>46, dr[0.417,2.478], df[0.384,3.434], g[0.575,3.111]
1/1 [=====] - 0s 68ms/step
>47, dr[0.450,1.793], df[0.564,3.009], g[0.504,3.113]
1/1 [=====] - 0s 69ms/step
>48, dr[0.354,2.316], df[0.351,3.005], g[0.481,2.976]
1/1 [=====] - 0s 67ms/step
>49, dr[0.461,2.018], df[0.458,3.385], g[0.387,3.234]
1/1 [=====] - 0s 75ms/step
>50, dr[0.581,1.825], df[0.403,3.044], g[0.560,3.155]
1/1 [=====] - 0s 68ms/step
>51, dr[0.338,1.728], df[0.427,2.663], g[0.543,2.904]
1/1 [=====] - 0s 66ms/step
>52, dr[0.464,1.943], df[0.378,2.948], g[0.460,3.301]
1/1 [=====] - 0s 72ms/step
>53, dr[0.364,1.814], df[0.514,3.064], g[0.469,2.937]
1/1 [=====] - 0s 67ms/step
>54, dr[0.405,1.765], df[0.301,3.055], g[0.424,3.068]
1/1 [=====] - 0s 74ms/step
>55, dr[0.461,1.592], df[0.290,2.721], g[0.409,3.199]
1/1 [=====] - 0s 67ms/step
>56, dr[0.455,1.833], df[0.445,3.111], g[0.415,3.398]
1/1 [=====] - 0s 76ms/step
>57, dr[0.332,1.565], df[0.303,2.853], g[0.369,3.194]
1/1 [=====] - 0s 69ms/step
>58, dr[0.362,1.454], df[0.282,3.476], g[0.302,3.288]
1/1 [=====] - 0s 86ms/step
>59, dr[0.353,1.676], df[0.413,3.033], g[0.347,3.325]
1/1 [=====] - 0s 91ms/step
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>60, dr[0.319,1.760], df[0.370,2.704], g[0.247,3.022]
1/1 [=====] - 0s 80ms/step
>61, dr[0.318,1.812], df[0.271,3.200], g[0.276,2.927]
1/1 [=====] - 0s 78ms/step
>62, dr[0.253,1.221], df[0.311,2.908], g[0.276,3.010]
1/1 [=====] - 0s 74ms/step
>63, dr[0.249,1.644], df[0.303,2.780], g[0.283,3.086]
1/1 [=====] - 0s 79ms/step
>64, dr[0.297,1.581], df[0.234,2.827], g[0.326,2.898]
1/1 [=====] - 0s 66ms/step
>65, dr[0.271,1.846], df[0.314,3.291], g[0.250,2.807]
1/1 [=====] - 0s 82ms/step
>66, dr[0.224,1.416], df[0.256,3.222], g[0.207,2.860]
1/1 [=====] - 0s 72ms/step
>67, dr[0.349,1.497], df[0.279,2.931], g[0.240,3.106]
1/1 [=====] - 0s 85ms/step
>68, dr[0.230,1.592], df[0.340,2.879], g[0.296,2.966]
1/1 [=====] - 0s 70ms/step
>69, dr[0.314,1.312], df[0.240,2.729], g[0.301,3.213]
1/1 [=====] - 0s 79ms/step
>70, dr[0.243,1.655], df[0.127,2.926], g[0.262,3.135]
1/1 [=====] - 0s 83ms/step
>71, dr[0.365,1.710], df[0.346,3.173], g[0.252,3.287]
1/1 [=====] - 0s 91ms/step
>72, dr[0.356,1.664], df[0.316,2.736], g[0.236,2.812]
1/1 [=====] - 0s 78ms/step
>73, dr[0.248,1.504], df[0.242,3.178], g[0.233,2.956]
1/1 [=====] - 0s 105ms/step
>74, dr[0.289,1.803], df[0.296,3.385], g[0.244,3.388]
1/1 [=====] - 0s 76ms/step
>75, dr[0.454,1.176], df[0.336,3.158], g[0.181,2.989]
1/1 [=====] - 0s 84ms/step
>76, dr[0.426,1.303], df[0.324,2.909], g[0.154,3.228]
1/1 [=====] - 0s 70ms/step
>77, dr[0.137,1.746], df[0.171,3.015], g[0.181,3.448]
1/1 [=====] - 0s 81ms/step
>78, dr[0.275,1.305], df[0.239,2.608], g[0.213,3.283]
1/1 [=====] - 0s 69ms/step
>79, dr[0.345,1.485], df[0.372,2.972], g[0.362,3.181]
1/1 [=====] - 0s 84ms/step
>80, dr[0.254,1.265], df[0.314,3.222], g[0.171,3.073]
1/1 [=====] - 0s 71ms/step
>81, dr[0.369,1.648], df[0.207,2.631], g[0.195,3.084]
1/1 [=====] - 0s 79ms/step
>82, dr[0.212,1.565], df[0.244,3.414], g[0.266,2.882]
1/1 [=====] - 0s 70ms/step
>83, dr[0.294,1.435], df[0.283,2.868], g[0.193,2.899]
1/1 [=====] - 0s 99ms/step
>84, dr[0.262,1.429], df[0.235,2.970], g[0.242,3.021]
1/1 [=====] - 0s 86ms/step
>85, dr[0.353,1.261], df[0.270,2.960], g[0.286,3.096]
1/1 [=====] - 0s 86ms/step
>86, dr[0.316,1.240], df[0.185,3.019], g[0.190,3.058]
1/1 [=====] - 0s 78ms/step
>87, dr[0.217,1.448], df[0.184,3.182], g[0.190,2.860]
1/1 [=====] - 0s 77ms/step
>88, dr[0.232,1.420], df[0.122,2.656], g[0.185,3.170]
1/1 [=====] - 0s 72ms/step
>89, dr[0.228,1.742], df[0.277,2.594], g[0.129,3.040]
1/1 [=====] - 0s 72ms/step
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>90, dr[0.161,1.407], df[0.140,2.519], g[0.143,2.878]
1/1 [=====] - 0s 75ms/step
>91, dr[0.419,1.392], df[0.141,3.142], g[0.121,3.302]
1/1 [=====] - 0s 78ms/step
>92, dr[0.316,1.337], df[0.269,2.966], g[0.119,3.248]
1/1 [=====] - 0s 78ms/step
>93, dr[0.162,1.368], df[0.181,2.908], g[0.182,3.319]
1/1 [=====] - 0s 82ms/step
>94, dr[0.131,1.471], df[0.187,3.230], g[0.172,2.940]
1/1 [=====] - 0s 76ms/step
>95, dr[0.150,1.705], df[0.178,2.865], g[0.144,3.053]
1/1 [=====] - 0s 77ms/step
>96, dr[0.248,1.499], df[0.249,2.949], g[0.155,3.101]
1/1 [=====] - 0s 83ms/step
>97, dr[0.223,1.534], df[0.199,3.367], g[0.128,2.893]
1/1 [=====] - 0s 82ms/step
>98, dr[0.272,1.380], df[0.194,2.812], g[0.154,2.961]
1/1 [=====] - 0s 69ms/step
>99, dr[0.138,1.284], df[0.136,3.301], g[0.168,3.261]
1/1 [=====] - 0s 78ms/step
>100, dr[0.227,2.200], df[0.236,3.439], g[0.264,3.104]
1/1 [=====] - 0s 65ms/step
>101, dr[0.239,1.306], df[0.252,2.862], g[0.224,3.258]
1/1 [=====] - 0s 66ms/step
>102, dr[0.238,1.373], df[0.272,3.141], g[0.190,3.197]
1/1 [=====] - 0s 75ms/step
>103, dr[0.247,1.056], df[0.194,3.262], g[0.108,3.087]
1/1 [=====] - 0s 80ms/step
>104, dr[0.199,1.543], df[0.149,2.854], g[0.076,3.080]
1/1 [=====] - 0s 76ms/step
>105, dr[0.143,1.824], df[0.232,2.589], g[0.149,2.895]
1/1 [=====] - 0s 78ms/step
>106, dr[0.127,1.281], df[0.152,2.653], g[0.165,2.867]
1/1 [=====] - 0s 70ms/step
>107, dr[0.119,1.849], df[0.172,3.210], g[0.154,3.040]
1/1 [=====] - 0s 66ms/step
>108, dr[0.185,1.166], df[0.159,3.387], g[0.143,3.323]
1/1 [=====] - 0s 69ms/step
>109, dr[0.239,1.629], df[0.210,3.399], g[0.160,3.332]
1/1 [=====] - 0s 69ms/step
>110, dr[0.173,1.426], df[0.176,2.720], g[0.172,3.443]
1/1 [=====] - 0s 72ms/step
>111, dr[0.212,1.364], df[0.094,2.981], g[0.128,3.388]
1/1 [=====] - 0s 65ms/step
>112, dr[0.233,1.448], df[0.283,3.026], g[0.130,3.210]
1/1 [=====] - 0s 71ms/step
>113, dr[0.287,1.825], df[0.217,3.456], g[0.133,3.270]
1/1 [=====] - 0s 66ms/step
>114, dr[0.080,1.007], df[0.161,3.082], g[0.198,3.230]
1/1 [=====] - 0s 72ms/step
>115, dr[0.204,1.242], df[0.167,3.021], g[0.178,3.167]
1/1 [=====] - 0s 71ms/step
>116, dr[0.174,1.569], df[0.163,2.921], g[0.129,3.064]
1/1 [=====] - 0s 71ms/step
>117, dr[0.286,1.177], df[0.164,3.151], g[0.150,3.108]
1/1 [=====] - 0s 64ms/step
>118, dr[0.295,1.514], df[0.214,2.870], g[0.138,3.375]
1/1 [=====] - 0s 73ms/step
>119, dr[0.134,1.315], df[0.182,2.923], g[0.170,3.137]
1/1 [=====] - 0s 69ms/step
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>120, dr[0.212,1.276], df[0.173,3.055], g[0.154,3.167]
1/1 [=====] - 0s 72ms/step
>121, dr[0.201,1.085], df[0.196,2.949], g[0.166,2.887]
1/1 [=====] - 0s 70ms/step
>122, dr[0.219,1.527], df[0.265,3.030], g[0.156,2.961]
1/1 [=====] - 0s 75ms/step
>123, dr[0.266,1.804], df[0.197,2.676], g[0.134,3.480]
1/1 [=====] - 0s 71ms/step
>124, dr[0.159,1.302], df[0.165,2.957], g[0.132,2.971]
1/1 [=====] - 0s 69ms/step
>125, dr[0.301,1.507], df[0.167,3.110], g[0.210,2.915]
1/1 [=====] - 0s 73ms/step
>126, dr[0.176,1.186], df[0.217,3.128], g[0.187,2.938]
1/1 [=====] - 0s 79ms/step
>127, dr[0.156,1.483], df[0.180,3.057], g[0.148,2.930]
1/1 [=====] - 0s 76ms/step
>128, dr[0.276,1.077], df[0.366,3.127], g[0.133,2.789]
1/1 [=====] - 0s 78ms/step
>129, dr[0.274,1.379], df[0.224,3.342], g[0.224,3.173]
1/1 [=====] - 0s 85ms/step
>130, dr[0.235,1.593], df[0.145,3.117], g[0.235,3.186]
1/1 [=====] - 0s 86ms/step
>131, dr[0.221,1.041], df[0.188,3.415], g[0.216,3.080]
1/1 [=====] - 0s 83ms/step
>132, dr[0.207,1.311], df[0.270,3.053], g[0.241,3.485]
1/1 [=====] - 0s 79ms/step
>133, dr[0.143,1.744], df[0.225,2.998], g[0.308,3.074]
1/1 [=====] - 0s 68ms/step
>134, dr[0.265,1.146], df[0.202,2.904], g[0.359,2.747]
1/1 [=====] - 0s 75ms/step
>135, dr[0.175,1.085], df[0.340,2.794], g[0.260,3.214]
1/1 [=====] - 0s 69ms/step
>136, dr[0.242,1.132], df[0.175,3.591], g[0.409,3.063]
1/1 [=====] - 0s 77ms/step
>137, dr[0.310,1.339], df[0.183,3.266], g[0.434,2.942]
1/1 [=====] - 0s 74ms/step
>138, dr[0.511,1.208], df[0.344,3.255], g[0.255,3.079]
1/1 [=====] - 0s 91ms/step
>139, dr[0.372,1.171], df[0.336,2.676], g[0.385,3.015]
1/1 [=====] - 0s 77ms/step
>140, dr[0.236,1.207], df[0.208,3.221], g[0.223,3.318]
1/1 [=====] - 0s 83ms/step
>141, dr[0.250,1.374], df[0.204,2.929], g[0.308,3.001]
1/1 [=====] - 0s 76ms/step
>142, dr[0.271,1.347], df[0.321,3.251], g[0.334,3.181]
1/1 [=====] - 0s 68ms/step
>143, dr[0.246,1.188], df[0.306,3.353], g[0.305,2.987]
1/1 [=====] - 0s 77ms/step
>144, dr[0.315,1.910], df[0.180,3.249], g[0.310,2.843]
1/1 [=====] - 0s 75ms/step
>145, dr[0.165,0.703], df[0.452,3.146], g[0.345,3.125]
1/1 [=====] - 0s 65ms/step
>146, dr[0.157,0.956], df[0.405,2.678], g[0.510,2.763]
1/1 [=====] - 0s 72ms/step
>147, dr[0.373,1.168], df[0.208,3.163], g[0.335,2.909]
1/1 [=====] - 0s 69ms/step
>148, dr[0.366,1.133], df[0.281,2.469], g[0.399,2.838]
1/1 [=====] - 0s 72ms/step
>149, dr[0.278,1.295], df[0.392,2.574], g[0.484,2.871]
1/1 [=====] - 0s 65ms/step
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>150, dr[0.233,1.403], df[0.167,3.080], g[0.499,3.340]
1/1 [=====] - 0s 78ms/step
>151, dr[0.304,1.397], df[0.168,2.921], g[0.402,3.026]
1/1 [=====] - 0s 67ms/step
>152, dr[0.320,1.433], df[0.278,3.229], g[0.445,3.086]
1/1 [=====] - 0s 76ms/step
>153, dr[0.170,1.027], df[0.180,3.146], g[0.320,2.821]
1/1 [=====] - 0s 68ms/step
>154, dr[0.213,1.168], df[0.300,3.279], g[0.424,3.124]
1/1 [=====] - 0s 114ms/step
>155, dr[0.266,1.313], df[0.234,2.850], g[0.445,2.787]
1/1 [=====] - 0s 84ms/step
>156, dr[0.388,1.398], df[0.251,2.855], g[0.494,3.024]
1/1 [=====] - 0s 77ms/step
>157, dr[0.334,1.196], df[0.181,2.976], g[0.384,2.757]
1/1 [=====] - 0s 74ms/step
>158, dr[0.335,0.943], df[0.297,2.784], g[0.291,2.910]
1/1 [=====] - 0s 82ms/step
>159, dr[0.485,1.254], df[0.434,2.894], g[0.574,2.960]
1/1 [=====] - 0s 70ms/step
>160, dr[0.173,0.913], df[0.277,2.467], g[0.458,2.736]
1/1 [=====] - 0s 78ms/step
>161, dr[0.396,1.010], df[0.301,3.210], g[0.380,2.918]
1/1 [=====] - 0s 75ms/step
>162, dr[0.531,1.402], df[0.203,2.812], g[0.393,3.133]
1/1 [=====] - 0s 79ms/step
>163, dr[0.274,1.086], df[0.290,2.998], g[0.239,2.703]
1/1 [=====] - 0s 82ms/step
>164, dr[0.235,0.986], df[0.363,3.320], g[0.319,3.118]
1/1 [=====] - 0s 83ms/step
>165, dr[0.211,1.112], df[0.322,3.046], g[0.425,2.781]
1/1 [=====] - 0s 74ms/step
>166, dr[0.191,1.162], df[0.223,2.654], g[0.419,2.859]
1/1 [=====] - 0s 73ms/step
>167, dr[0.285,1.297], df[0.204,3.005], g[0.422,2.970]
1/1 [=====] - 0s 73ms/step
>168, dr[0.445,1.267], df[0.286,3.089], g[0.452,2.764]
1/1 [=====] - 0s 71ms/step
>169, dr[0.308,1.255], df[0.231,2.764], g[0.484,2.640]
1/1 [=====] - 0s 73ms/step
>170, dr[0.274,1.170], df[0.133,2.762], g[0.243,2.934]
1/1 [=====] - 0s 66ms/step
>171, dr[0.357,0.928], df[0.256,2.406], g[0.250,2.829]
1/1 [=====] - 0s 75ms/step
>172, dr[0.255,1.339], df[0.305,2.287], g[0.301,2.734]
1/1 [=====] - 0s 71ms/step
>173, dr[0.362,1.142], df[0.396,2.595], g[0.203,2.833]
1/1 [=====] - 0s 71ms/step
>174, dr[0.268,1.416], df[0.284,2.308], g[0.357,2.614]
1/1 [=====] - 0s 64ms/step
>175, dr[0.188,1.208], df[0.236,2.951], g[0.354,2.824]
1/1 [=====] - 0s 74ms/step
>176, dr[0.228,1.206], df[0.123,2.772], g[0.369,2.761]
1/1 [=====] - 0s 69ms/step
>177, dr[0.411,1.136], df[0.270,2.538], g[0.311,2.900]
1/1 [=====] - 0s 68ms/step
>178, dr[0.303,1.398], df[0.188,2.984], g[0.325,2.430]
1/1 [=====] - 0s 65ms/step
>179, dr[0.147,1.100], df[0.278,2.981], g[0.313,2.775]
1/1 [=====] - 0s 66ms/step
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>180, dr[0.464,1.167], df[0.261,2.389], g[0.254,2.771]
1/1 [=====] - 0s 67ms/step
>181, dr[0.250,1.281], df[0.308,2.777], g[0.305,2.546]
1/1 [=====] - 0s 76ms/step
>182, dr[0.423,1.030], df[0.320,2.187], g[0.367,2.483]
1/1 [=====] - 0s 67ms/step
>183, dr[0.508,0.827], df[0.409,3.031], g[0.381,2.706]
1/1 [=====] - 0s 66ms/step
>184, dr[0.545,1.410], df[0.261,2.232], g[0.346,2.482]
1/1 [=====] - 0s 69ms/step
>185, dr[0.215,0.905], df[0.444,2.543], g[0.411,2.576]
1/1 [=====] - 0s 64ms/step
>186, dr[0.186,1.193], df[0.320,2.480], g[0.506,2.615]
1/1 [=====] - 0s 74ms/step
>187, dr[0.290,1.037], df[0.171,2.397], g[0.337,2.195]
1/1 [=====] - 0s 66ms/step
>188, dr[0.451,1.228], df[0.215,2.470], g[0.346,2.705]
1/1 [=====] - 0s 75ms/step
>189, dr[0.467,1.513], df[0.482,2.469], g[0.242,2.285]
1/1 [=====] - 0s 71ms/step
>190, dr[0.244,1.084], df[0.287,2.726], g[0.369,2.566]
1/1 [=====] - 0s 94ms/step
>191, dr[0.311,1.207], df[0.307,2.663], g[0.294,2.532]
1/1 [=====] - 0s 72ms/step
>192, dr[0.343,1.252], df[0.401,2.227], g[0.391,2.578]
1/1 [=====] - 0s 65ms/step
>193, dr[0.389,1.274], df[0.362,2.273], g[0.442,2.131]
1/1 [=====] - 0s 72ms/step
>194, dr[0.365,1.402], df[0.259,2.463], g[0.346,2.063]
1/1 [=====] - 0s 70ms/step
>195, dr[0.369,1.036], df[0.318,2.539], g[0.492,2.367]
1/1 [=====] - 0s 68ms/step
>196, dr[0.505,0.870], df[0.259,2.647], g[0.343,2.236]
1/1 [=====] - 0s 68ms/step
>197, dr[0.356,1.238], df[0.546,2.179], g[0.298,2.088]
1/1 [=====] - 0s 69ms/step
>198, dr[0.362,1.205], df[0.273,2.080], g[0.395,2.364]
1/1 [=====] - 0s 67ms/step
>199, dr[0.485,1.175], df[0.309,2.322], g[0.315,2.451]
1/1 [=====] - 0s 83ms/step
>200, dr[0.514,0.848], df[0.252,2.561], g[0.308,1.945]
1/1 [=====] - 0s 70ms/step
>201, dr[0.217,1.102], df[0.161,2.215], g[0.232,1.950]
1/1 [=====] - 0s 72ms/step
>202, dr[0.490,1.041], df[0.405,2.187], g[0.211,2.115]
1/1 [=====] - 0s 71ms/step
>203, dr[0.286,0.967], df[0.494,2.344], g[0.468,2.091]
1/1 [=====] - 0s 71ms/step
>204, dr[0.555,1.135], df[0.229,2.460], g[0.303,2.162]
1/1 [=====] - 0s 97ms/step
>205, dr[0.213,0.941], df[0.228,2.043], g[0.356,2.326]
1/1 [=====] - 0s 79ms/step
>206, dr[0.340,0.900], df[0.344,2.332], g[0.352,2.518]
1/1 [=====] - 0s 78ms/step
>207, dr[0.308,1.400], df[0.145,2.149], g[0.552,2.143]
1/1 [=====] - 0s 79ms/step
>208, dr[0.262,1.156], df[0.215,2.246], g[0.336,1.958]
1/1 [=====] - 0s 79ms/step
>209, dr[0.310,1.363], df[0.297,2.352], g[0.392,1.741]
1/1 [=====] - 0s 72ms/step
```

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>210, dr[0.358,1.505], df[0.282,2.042], g[0.338,1.809]
1/1 [=====] - 0s 67ms/step
>211, dr[0.236,1.685], df[0.253,1.994], g[0.317,2.133]
1/1 [=====] - 0s 87ms/step
>212, dr[0.279,1.057], df[0.358,2.179], g[0.482,1.763]
1/1 [=====] - 0s 108ms/step
>213, dr[0.212,1.007], df[0.185,1.729], g[0.476,2.208]
1/1 [=====] - 0s 78ms/step
>214, dr[0.374,1.026], df[0.236,1.651], g[0.391,1.983]
1/1 [=====] - 0s 67ms/step
>215, dr[0.333,1.200], df[0.373,1.670], g[0.450,1.888]
1/1 [=====] - 0s 72ms/step
>216, dr[0.198,1.051], df[0.180,1.909], g[0.448,1.892]
1/1 [=====] - 0s 71ms/step
>217, dr[0.177,1.135], df[0.240,2.148], g[0.441,1.989]
1/1 [=====] - 0s 69ms/step
>218, dr[0.225,1.099], df[0.153,2.053], g[0.448,1.474]
1/1 [=====] - 0s 72ms/step
>219, dr[0.262,1.118], df[0.232,1.634], g[0.386,1.775]
1/1 [=====] - 0s 66ms/step
>220, dr[0.242,1.170], df[0.416,1.697], g[0.391,1.666]
1/1 [=====] - 0s 69ms/step
>221, dr[0.261,1.164], df[0.269,2.005], g[0.480,1.312]
1/1 [=====] - 0s 68ms/step
>222, dr[0.341,0.878], df[0.231,1.892], g[0.500,1.509]
1/1 [=====] - 0s 67ms/step
>223, dr[0.451,0.915], df[0.159,1.817], g[0.354,1.382]
1/1 [=====] - 0s 71ms/step
>224, dr[0.382,0.836], df[0.322,1.883], g[0.410,1.461]
1/1 [=====] - 0s 71ms/step
>225, dr[0.211,0.927], df[0.350,1.552], g[0.558,1.375]
1/1 [=====] - 0s 70ms/step
>226, dr[0.348,0.773], df[0.194,1.510], g[0.427,1.353]
1/1 [=====] - 0s 72ms/step
>227, dr[0.167,0.973], df[0.295,1.753], g[0.601,1.303]
1/1 [=====] - 0s 67ms/step
>228, dr[0.272,0.702], df[0.212,1.343], g[0.417,1.478]
1/1 [=====] - 0s 74ms/step
>229, dr[0.410,0.968], df[0.197,1.501], g[0.422,1.241]
1/1 [=====] - 0s 67ms/step
>230, dr[0.412,0.946], df[0.256,1.122], g[0.293,1.151]
1/1 [=====] - 0s 80ms/step
>231, dr[0.279,0.575], df[0.270,1.395], g[0.307,1.268]
1/1 [=====] - 0s 68ms/step
>232, dr[0.210,1.505], df[0.219,1.587], g[0.426,1.386]
1/1 [=====] - 0s 79ms/step
>233, dr[0.219,1.043], df[0.137,1.588], g[0.431,1.259]
1/1 [=====] - 0s 69ms/step
>234, dr[0.245,0.766], df[0.205,1.353], g[0.319,1.387]
1/1 [=====] - 0s 78ms/step
>235, dr[0.323,1.108], df[0.168,1.386], g[0.321,0.974]
1/1 [=====] - 0s 66ms/step
>236, dr[0.163,0.528], df[0.250,1.585], g[0.312,1.172]
1/1 [=====] - 0s 74ms/step
>237, dr[0.233,1.085], df[0.187,1.316], g[0.286,0.987]
1/1 [=====] - 0s 68ms/step
>238, dr[0.278,0.890], df[0.243,1.601], g[0.402,1.280]
1/1 [=====] - 0s 71ms/step
>239, dr[0.235,1.058], df[0.160,1.452], g[0.254,1.273]
1/1 [=====] - 0s 69ms/step
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>240, dr[0.222,0.671], df[0.218,1.217], g[0.454,1.327]
1/1 [=====] - 0s 69ms/step
>241, dr[0.090,1.188], df[0.218,1.354], g[0.344,1.472]
1/1 [=====] - 0s 67ms/step
>242, dr[0.257,1.231], df[0.235,1.193], g[0.392,1.189]
1/1 [=====] - 0s 68ms/step
>243, dr[0.168,1.058], df[0.172,1.206], g[0.492,1.151]
1/1 [=====] - 0s 77ms/step
>244, dr[0.399,1.419], df[0.144,1.417], g[0.408,1.222]
1/1 [=====] - 0s 76ms/step
>245, dr[0.180,1.182], df[0.461,1.290], g[0.402,1.152]
1/1 [=====] - 0s 69ms/step
>246, dr[0.184,0.725], df[0.164,1.031], g[0.483,1.086]
1/1 [=====] - 0s 68ms/step
>247, dr[0.296,1.081], df[0.179,0.730], g[0.547,1.204]
1/1 [=====] - 0s 71ms/step
>248, dr[0.288,1.510], df[0.159,1.424], g[0.395,1.152]
1/1 [=====] - 0s 66ms/step
>249, dr[0.316,1.747], df[0.164,1.147], g[0.492,1.078]
1/1 [=====] - 0s 83ms/step
>250, dr[0.095,0.858], df[0.141,1.215], g[0.386,1.069]
1/1 [=====] - 0s 66ms/step
>251, dr[0.184,0.818], df[0.133,0.828], g[0.361,1.189]
1/1 [=====] - 0s 72ms/step
>252, dr[0.141,1.204], df[0.140,0.847], g[0.435,0.965]
1/1 [=====] - 0s 70ms/step
>253, dr[0.170,1.061], df[0.281,1.108], g[0.289,1.169]
1/1 [=====] - 0s 70ms/step
>254, dr[0.324,0.940], df[0.131,0.855], g[0.376,0.883]
1/1 [=====] - 0s 65ms/step
>255, dr[0.191,0.785], df[0.081,0.843], g[0.400,0.785]
1/1 [=====] - 0s 68ms/step
>256, dr[0.316,1.215], df[0.261,0.906], g[0.265,0.976]
1/1 [=====] - 0s 66ms/step
>257, dr[0.240,1.141], df[0.181,1.537], g[0.390,1.169]
1/1 [=====] - 0s 74ms/step
>258, dr[0.211,0.948], df[0.219,0.683], g[0.345,0.867]
1/1 [=====] - 0s 66ms/step
>259, dr[0.161,0.831], df[0.232,0.925], g[0.434,0.953]
1/1 [=====] - 0s 76ms/step
>260, dr[0.210,1.322], df[0.085,1.003], g[0.592,0.815]
1/1 [=====] - 0s 69ms/step
>261, dr[0.155,0.860], df[0.117,0.782], g[0.372,0.876]
1/1 [=====] - 0s 73ms/step
>262, dr[0.261,0.992], df[0.131,1.106], g[0.338,0.626]
1/1 [=====] - 0s 66ms/step
>263, dr[0.214,0.962], df[0.269,0.878], g[0.289,0.850]
1/1 [=====] - 0s 69ms/step
>264, dr[0.199,1.346], df[0.176,0.765], g[0.455,0.889]
1/1 [=====] - 0s 68ms/step
>265, dr[0.145,0.746], df[0.121,0.927], g[0.437,0.948]
1/1 [=====] - 0s 65ms/step
>266, dr[0.171,1.115], df[0.108,0.940], g[0.389,0.962]
1/1 [=====] - 0s 64ms/step
>267, dr[0.227,0.912], df[0.241,0.762], g[0.332,0.964]
1/1 [=====] - 0s 64ms/step
>268, dr[0.250,1.035], df[0.177,1.131], g[0.375,0.795]
1/1 [=====] - 0s 67ms/step
>269, dr[0.132,0.767], df[0.297,0.877], g[0.438,1.099]
1/1 [=====] - 0s 69ms/step
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>270, dr[0.166,1.062], df[0.221,1.074], g[0.482,0.624]
1/1 [=====] - 0s 75ms/step
>271, dr[0.158,0.717], df[0.118,0.867], g[0.386,0.902]
1/1 [=====] - 0s 72ms/step
>272, dr[0.184,0.938], df[0.244,0.651], g[0.475,0.780]
1/1 [=====] - 0s 75ms/step
>273, dr[0.301,1.142], df[0.113,0.883], g[0.364,0.726]
1/1 [=====] - 0s 70ms/step
>274, dr[0.174,1.019], df[0.217,1.023], g[0.422,0.859]
1/1 [=====] - 0s 73ms/step
>275, dr[0.306,1.131], df[0.246,0.753], g[0.357,0.702]
1/1 [=====] - 0s 76ms/step
>276, dr[0.305,1.122], df[0.281,1.151], g[0.436,0.735]
1/1 [=====] - 0s 85ms/step
>277, dr[0.206,0.747], df[0.210,0.565], g[0.587,0.676]
1/1 [=====] - 0s 77ms/step
>278, dr[0.148,1.047], df[0.138,0.628], g[0.580,0.783]
1/1 [=====] - 0s 76ms/step
>279, dr[0.305,1.007], df[0.318,0.542], g[0.526,0.743]
1/1 [=====] - 0s 73ms/step
>280, dr[0.320,0.464], df[0.258,0.735], g[0.589,0.608]
1/1 [=====] - 0s 77ms/step
>281, dr[0.212,0.845], df[0.291,1.051], g[0.392,0.765]
1/1 [=====] - 0s 73ms/step
>282, dr[0.248,1.101], df[0.169,0.857], g[0.467,0.832]
1/1 [=====] - 0s 73ms/step
>283, dr[0.210,0.997], df[0.191,0.725], g[0.538,0.703]
1/1 [=====] - 0s 76ms/step
>284, dr[0.230,1.418], df[0.153,0.639], g[0.454,0.858]
1/1 [=====] - 0s 69ms/step
>285, dr[0.295,0.831], df[0.205,0.718], g[0.499,0.730]
1/1 [=====] - 0s 78ms/step
>286, dr[0.278,1.388], df[0.173,0.862], g[0.538,0.697]
1/1 [=====] - 0s 71ms/step
>287, dr[0.143,1.340], df[0.216,0.872], g[0.515,0.618]
1/1 [=====] - 0s 75ms/step
>288, dr[0.211,1.006], df[0.138,0.739], g[0.457,0.689]
1/1 [=====] - 0s 68ms/step
>289, dr[0.336,1.021], df[0.287,0.662], g[0.664,0.537]
1/1 [=====] - 0s 69ms/step
>290, dr[0.156,1.222], df[0.159,0.744], g[0.621,0.679]
1/1 [=====] - 0s 97ms/step
>291, dr[0.141,0.899], df[0.235,0.416], g[0.762,0.673]
1/1 [=====] - 0s 70ms/step
>292, dr[0.163,0.751], df[0.080,0.674], g[0.772,0.611]
1/1 [=====] - 0s 76ms/step
>293, dr[0.242,1.020], df[0.290,0.554], g[0.702,0.683]
1/1 [=====] - 0s 71ms/step
>294, dr[0.140,1.139], df[0.153,0.613], g[0.675,0.648]
1/1 [=====] - 0s 71ms/step
>295, dr[0.192,0.989], df[0.208,0.457], g[0.537,0.632]
1/1 [=====] - 0s 67ms/step
>296, dr[0.230,1.138], df[0.145,0.665], g[0.722,0.632]
1/1 [=====] - 0s 72ms/step
>297, dr[0.153,0.718], df[0.280,0.709], g[0.546,0.479]
1/1 [=====] - 0s 67ms/step
>298, dr[0.178,1.098], df[0.132,0.432], g[0.656,0.440]
1/1 [=====] - 0s 68ms/step
>299, dr[0.227,1.401], df[0.262,0.601], g[0.638,0.551]
1/1 [=====] - 0s 65ms/step
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>300, dr[0.143,1.423], df[0.145,0.749], g[0.648,0.515]
1/1 [=====] - 0s 68ms/step
>301, dr[0.169,0.932], df[0.311,0.568], g[0.686,0.737]
1/1 [=====] - 0s 66ms/step
>302, dr[0.411,0.938], df[0.162,0.553], g[0.663,0.634]
1/1 [=====] - 0s 66ms/step
>303, dr[0.109,1.266], df[0.137,0.672], g[0.783,0.592]
1/1 [=====] - 0s 67ms/step
>304, dr[0.123,1.261], df[0.112,0.686], g[0.635,0.603]
1/1 [=====] - 0s 66ms/step
>305, dr[0.243,0.797], df[0.213,0.457], g[0.532,0.579]
1/1 [=====] - 0s 70ms/step
>306, dr[0.205,0.995], df[0.124,0.752], g[0.619,0.631]
1/1 [=====] - 0s 71ms/step
>307, dr[0.257,1.211], df[0.240,0.513], g[0.702,0.534]
1/1 [=====] - 0s 72ms/step
>308, dr[0.238,1.099], df[0.240,0.462], g[0.599,0.549]
1/1 [=====] - 0s 74ms/step
>309, dr[0.314,1.016], df[0.335,0.657], g[0.905,0.515]
1/1 [=====] - 0s 133ms/step
>310, dr[0.207,1.563], df[0.179,0.475], g[0.624,0.548]
1/1 [=====] - 0s 80ms/step
>311, dr[0.160,1.002], df[0.206,0.613], g[0.780,0.509]
1/1 [=====] - 0s 69ms/step
>312, dr[0.182,0.639], df[0.224,0.495], g[0.962,0.488]
1/1 [=====] - 0s 85ms/step
>313, dr[0.333,1.114], df[0.309,0.487], g[1.179,0.512]
1/1 [=====] - 0s 77ms/step
>314, dr[0.381,1.077], df[0.205,0.394], g[0.873,0.388]
1/1 [=====] - 0s 72ms/step
>315, dr[0.207,0.991], df[0.200,0.426], g[0.822,0.475]
1/1 [=====] - 0s 74ms/step
>316, dr[0.155,0.646], df[0.215,0.448], g[1.130,0.585]
1/1 [=====] - 0s 78ms/step
>317, dr[0.284,0.974], df[0.139,0.502], g[1.251,0.365]
1/1 [=====] - 0s 67ms/step
>318, dr[0.165,0.834], df[0.235,0.675], g[1.230,0.460]
1/1 [=====] - 0s 70ms/step
>319, dr[0.317,0.686], df[0.218,0.464], g[0.994,0.434]
1/1 [=====] - 0s 65ms/step
>320, dr[0.129,0.504], df[0.348,0.385], g[0.998,0.384]
1/1 [=====] - 0s 68ms/step
>321, dr[0.331,1.013], df[0.140,0.479], g[1.030,0.479]
1/1 [=====] - 0s 98ms/step
>322, dr[0.174,1.026], df[0.284,0.500], g[0.950,0.336]
1/1 [=====] - 0s 71ms/step
>323, dr[0.215,0.981], df[0.334,0.369], g[1.050,0.464]
1/1 [=====] - 0s 71ms/step
>324, dr[0.401,0.789], df[0.258,0.436], g[1.013,0.308]
1/1 [=====] - 0s 73ms/step
>325, dr[0.329,0.741], df[0.321,0.319], g[1.156,0.364]
1/1 [=====] - 0s 76ms/step
>326, dr[0.244,1.359], df[0.204,0.469], g[1.086,0.526]
1/1 [=====] - 0s 66ms/step
>327, dr[0.413,1.109], df[0.221,0.271], g[0.885,0.567]
1/1 [=====] - 0s 72ms/step
>328, dr[0.321,1.693], df[0.221,0.367], g[0.693,0.459]
1/1 [=====] - 0s 67ms/step
>329, dr[0.302,0.706], df[0.375,0.301], g[0.871,0.617]
1/1 [=====] - 0s 77ms/step
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>330, dr[0.179,1.335], df[0.195,0.387], g[1.124,0.420]
1/1 [=====] - 0s 70ms/step
>331, dr[0.359,0.814], df[0.305,0.392], g[0.913,0.479]
1/1 [=====] - 0s 72ms/step
>332, dr[0.250,0.490], df[0.232,0.309], g[1.006,0.338]
1/1 [=====] - 0s 66ms/step
>333, dr[0.337,1.259], df[0.269,0.643], g[0.975,0.352]
1/1 [=====] - 0s 70ms/step
>334, dr[0.167,1.026], df[0.212,0.506], g[1.019,0.420]
1/1 [=====] - 0s 66ms/step
>335, dr[0.262,0.711], df[0.253,0.465], g[1.082,0.314]
1/1 [=====] - 0s 75ms/step
>336, dr[0.345,1.594], df[0.268,0.508], g[0.814,0.417]
1/1 [=====] - 0s 68ms/step
>337, dr[0.291,0.728], df[0.235,0.481], g[0.670,0.450]
1/1 [=====] - 0s 69ms/step
>338, dr[0.188,1.876], df[0.280,0.411], g[1.072,0.286]
1/1 [=====] - 0s 71ms/step
>339, dr[0.170,0.572], df[0.210,0.451], g[0.972,0.347]
1/1 [=====] - 0s 72ms/step
>340, dr[0.393,1.184], df[0.288,0.351], g[0.723,0.486]
1/1 [=====] - 0s 70ms/step
>341, dr[0.277,0.653], df[0.244,0.368], g[0.682,0.441]
1/1 [=====] - 0s 73ms/step
>342, dr[0.260,1.075], df[0.269,0.312], g[0.771,0.334]
1/1 [=====] - 0s 73ms/step
>343, dr[0.384,1.232], df[0.216,0.267], g[0.826,0.383]
1/1 [=====] - 0s 68ms/step
>344, dr[0.248,1.126], df[0.360,0.267], g[0.884,0.540]
1/1 [=====] - 0s 71ms/step
>345, dr[0.308,0.910], df[0.329,0.378], g[0.843,0.473]
1/1 [=====] - 0s 68ms/step
>346, dr[0.364,1.038], df[0.155,0.436], g[0.766,0.480]
1/1 [=====] - 0s 69ms/step
>347, dr[0.362,1.135], df[0.527,0.479], g[0.868,0.439]
1/1 [=====] - 0s 74ms/step
>348, dr[0.213,1.148], df[0.181,0.446], g[1.007,0.284]
1/1 [=====] - 0s 66ms/step
>349, dr[0.702,0.974], df[0.527,0.436], g[0.571,0.444]
1/1 [=====] - 0s 70ms/step
>350, dr[0.188,0.414], df[0.179,0.409], g[0.630,0.369]
1/1 [=====] - 0s 68ms/step
>351, dr[0.228,1.327], df[0.214,0.224], g[1.004,0.293]
1/1 [=====] - 0s 67ms/step
>352, dr[0.295,0.741], df[0.204,0.404], g[0.738,0.390]
1/1 [=====] - 0s 67ms/step
>353, dr[0.320,1.171], df[0.261,0.246], g[0.677,0.367]
1/1 [=====] - 0s 72ms/step
>354, dr[0.335,1.076], df[0.277,0.197], g[0.731,0.363]
1/1 [=====] - 0s 68ms/step
>355, dr[0.292,1.008], df[0.287,0.335], g[0.692,0.331]
1/1 [=====] - 0s 70ms/step
>356, dr[0.081,0.880], df[0.299,0.349], g[0.958,0.398]
1/1 [=====] - 0s 71ms/step
>357, dr[0.547,0.944], df[0.354,0.322], g[0.886,0.379]
1/1 [=====] - 0s 69ms/step
>358, dr[0.461,1.072], df[0.542,0.322], g[0.891,0.346]
1/1 [=====] - 0s 73ms/step
>359, dr[0.505,0.913], df[0.306,0.216], g[0.903,0.298]
1/1 [=====] - 0s 66ms/step
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>360, dr[0.508,0.805], df[0.513,0.323], g[1.011,0.302]
1/1 [=====] - 0s 74ms/step
>361, dr[0.398,0.626], df[0.241,0.404], g[1.083,0.376]
1/1 [=====] - 0s 68ms/step
>362, dr[0.268,0.882], df[0.182,0.405], g[1.035,0.365]
1/1 [=====] - 0s 81ms/step
>363, dr[0.296,0.908], df[0.239,0.298], g[1.153,0.482]
1/1 [=====] - 0s 83ms/step
>364, dr[0.322,0.899], df[0.281,0.385], g[0.952,0.345]
1/1 [=====] - 0s 123ms/step
>365, dr[0.268,1.032], df[0.353,0.234], g[0.946,0.327]
1/1 [=====] - 0s 68ms/step
>366, dr[0.488,0.788], df[0.351,0.261], g[0.809,0.388]
1/1 [=====] - 0s 75ms/step
>367, dr[0.308,0.771], df[0.206,0.186], g[0.742,0.233]
1/1 [=====] - 0s 70ms/step
>368, dr[0.372,0.790], df[0.821,0.262], g[1.079,0.488]
1/1 [=====] - 0s 88ms/step
>369, dr[0.542,1.342], df[0.172,0.545], g[0.696,0.530]
1/1 [=====] - 0s 76ms/step
>370, dr[0.392,0.803], df[0.435,0.329], g[0.601,0.291]
1/1 [=====] - 0s 68ms/step
>371, dr[0.182,0.899], df[0.463,0.265], g[0.757,0.352]
1/1 [=====] - 0s 77ms/step
>372, dr[0.459,1.119], df[0.233,0.272], g[0.710,0.264]
1/1 [=====] - 0s 75ms/step
>373, dr[0.403,1.159], df[0.337,0.249], g[0.710,0.422]
1/1 [=====] - 0s 77ms/step
>374, dr[0.303,0.849], df[0.590,0.217], g[1.183,0.314]
1/1 [=====] - 0s 69ms/step
>375, dr[0.357,1.004], df[0.207,0.222], g[0.992,0.338]
1/1 [=====] - 0s 73ms/step
>376, dr[0.529,0.788], df[0.337,0.285], g[0.611,0.174]
1/1 [=====] - 0s 66ms/step
>377, dr[0.169,0.784], df[0.456,0.313], g[1.013,0.329]
1/1 [=====] - 0s 73ms/step
>378, dr[0.610,0.878], df[0.310,0.293], g[0.878,0.330]
1/1 [=====] - 0s 76ms/step
>379, dr[0.436,0.925], df[0.344,0.190], g[0.668,0.214]
1/1 [=====] - 0s 78ms/step
>380, dr[0.154,0.734], df[0.379,0.233], g[0.874,0.391]
1/1 [=====] - 0s 66ms/step
>381, dr[0.444,1.103], df[0.282,0.218], g[0.704,0.209]
1/1 [=====] - 0s 74ms/step
>382, dr[0.269,0.617], df[0.410,0.183], g[1.136,0.311]
1/1 [=====] - 0s 71ms/step
>383, dr[0.569,0.948], df[0.468,0.159], g[0.807,0.371]
1/1 [=====] - 0s 70ms/step
>384, dr[0.219,0.904], df[0.568,0.167], g[1.576,0.257]
1/1 [=====] - 0s 86ms/step
>385, dr[0.706,0.874], df[0.205,0.189], g[0.685,0.219]
1/1 [=====] - 0s 79ms/step
>386, dr[0.430,0.921], df[0.462,0.207], g[0.935,0.264]
1/1 [=====] - 0s 84ms/step
>387, dr[0.375,0.992], df[0.395,0.212], g[1.129,0.256]
1/1 [=====] - 0s 72ms/step
>388, dr[0.503,1.198], df[0.511,0.269], g[1.300,0.280]
1/1 [=====] - 0s 84ms/step
>389, dr[0.441,0.671], df[0.389,0.211], g[0.980,0.211]
1/1 [=====] - 0s 73ms/step
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>390, dr[0.531,0.996], df[0.387,0.240], g[0.668,0.269]
1/1 [=====] - 0s 76ms/step
>391, dr[0.379,1.162], df[0.687,0.206], g[0.754,0.268]
1/1 [=====] - 0s 79ms/step
>392, dr[0.561,0.731], df[0.316,0.197], g[0.707,0.205]
1/1 [=====] - 0s 80ms/step
>393, dr[0.718,1.010], df[0.476,0.265], g[0.633,0.650]
1/1 [=====] - 0s 69ms/step
>394, dr[0.378,1.601], df[0.612,0.213], g[0.769,0.383]
1/1 [=====] - 0s 71ms/step
>395, dr[0.488,1.299], df[0.560,0.243], g[0.939,0.521]
1/1 [=====] - 0s 74ms/step
>396, dr[0.442,0.856], df[0.493,0.167], g[1.027,0.309]
1/1 [=====] - 0s 64ms/step
>397, dr[0.421,0.953], df[0.382,0.261], g[1.339,0.479]
1/1 [=====] - 0s 75ms/step
>398, dr[0.282,1.032], df[0.144,0.227], g[0.783,0.337]
1/1 [=====] - 0s 65ms/step
>399, dr[0.410,1.669], df[0.520,0.163], g[0.887,0.314]
1/1 [=====] - 0s 168ms/step
>400, dr[0.309,0.838], df[0.333,0.181], g[1.196,0.225]
1/1 [=====] - 0s 158ms/step
>401, dr[0.411,1.157], df[0.414,0.156], g[1.313,0.366]
1/1 [=====] - 0s 80ms/step
>402, dr[0.386,1.056], df[0.451,0.099], g[1.251,0.343]
1/1 [=====] - 0s 112ms/step
>403, dr[0.769,1.136], df[0.233,0.295], g[0.714,0.268]
1/1 [=====] - 0s 77ms/step
>404, dr[0.315,0.468], df[0.566,0.111], g[0.850,0.177]
1/1 [=====] - 0s 72ms/step
>405, dr[0.350,1.153], df[0.613,0.151], g[1.396,0.207]
1/1 [=====] - 0s 68ms/step
>406, dr[0.647,0.849], df[0.300,0.185], g[1.102,0.208]
1/1 [=====] - 0s 74ms/step
>407, dr[0.299,0.883], df[0.608,0.216], g[1.952,0.234]
1/1 [=====] - 0s 66ms/step
>408, dr[0.873,0.865], df[0.701,0.164], g[1.392,0.443]
1/1 [=====] - 0s 73ms/step
>409, dr[0.639,0.783], df[0.929,0.243], g[1.672,0.388]
1/1 [=====] - 0s 65ms/step
>410, dr[1.086,0.969], df[0.938,0.348], g[0.969,0.406]
1/1 [=====] - 0s 68ms/step
>411, dr[0.501,1.000], df[1.262,0.246], g[1.324,0.402]
1/1 [=====] - 0s 73ms/step
>412, dr[1.202,0.917], df[0.757,0.273], g[0.872,0.339]
1/1 [=====] - 0s 67ms/step
>413, dr[0.345,0.813], df[0.775,0.212], g[1.114,0.288]
1/1 [=====] - 0s 70ms/step
>414, dr[0.675,0.696], df[0.486,0.140], g[1.037,0.368]
1/1 [=====] - 0s 69ms/step
>415, dr[0.332,1.052], df[0.417,0.140], g[1.215,0.171]
1/1 [=====] - 0s 95ms/step
>416, dr[0.434,0.603], df[0.377,0.119], g[1.167,0.260]
1/1 [=====] - 0s 67ms/step
>417, dr[0.514,0.393], df[0.723,0.105], g[1.268,0.331]
1/1 [=====] - 0s 74ms/step
>418, dr[0.665,1.158], df[0.684,0.238], g[1.279,0.314]
1/1 [=====] - 0s 67ms/step
>419, dr[1.235,0.864], df[0.962,0.133], g[1.187,0.308]
1/1 [=====] - 0s 75ms/step
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>420, dr[0.740,0.494], df[0.500,0.176], g[0.813,0.276]
1/1 [=====] - 0s 67ms/step
>421, dr[0.699,0.508], df[1.149,0.136], g[0.964,0.425]
1/1 [=====] - 0s 72ms/step
>422, dr[0.660,1.219], df[1.152,0.382], g[1.582,0.341]
1/1 [=====] - 0s 66ms/step
>423, dr[1.204,0.775], df[0.549,0.467], g[1.245,0.392]
1/1 [=====] - 0s 73ms/step
>424, dr[0.871,1.075], df[0.935,0.236], g[1.324,0.291]
1/1 [=====] - 0s 65ms/step
>425, dr[0.676,0.931], df[0.492,0.093], g[1.469,0.370]
1/1 [=====] - 0s 79ms/step
>426, dr[0.372,1.071], df[0.706,0.211], g[1.331,0.506]
1/1 [=====] - 0s 72ms/step
>427, dr[0.557,1.258], df[0.442,0.235], g[2.013,0.225]
1/1 [=====] - 0s 72ms/step
>428, dr[0.680,1.289], df[0.661,0.179], g[1.532,0.273]
1/1 [=====] - 0s 64ms/step
>429, dr[0.848,1.408], df[0.635,0.247], g[1.651,0.333]
1/1 [=====] - 0s 75ms/step
>430, dr[0.354,1.086], df[0.383,0.335], g[1.533,0.278]
1/1 [=====] - 0s 70ms/step
>431, dr[0.484,1.067], df[0.417,0.177], g[1.463,0.228]
1/1 [=====] - 0s 72ms/step
>432, dr[0.514,0.780], df[0.442,0.210], g[1.061,0.202]
1/1 [=====] - 0s 70ms/step
>433, dr[0.481,0.448], df[0.632,0.148], g[1.042,0.195]
1/1 [=====] - 0s 83ms/step
>434, dr[0.232,0.782], df[0.722,0.132], g[1.704,0.175]
1/1 [=====] - 0s 128ms/step
>435, dr[0.900,0.838], df[0.429,0.109], g[1.648,0.215]
1/1 [=====] - 0s 65ms/step
>436, dr[0.737,1.138], df[0.521,0.107], g[1.205,0.249]
1/1 [=====] - 0s 68ms/step
>437, dr[0.380,1.190], df[1.126,0.194], g[1.673,0.160]
1/1 [=====] - 0s 67ms/step
>438, dr[1.005,1.146], df[0.480,0.155], g[1.666,0.292]
1/1 [=====] - 0s 67ms/step
>439, dr[0.654,1.013], df[0.684,0.212], g[1.546,0.325]
1/1 [=====] - 0s 68ms/step
>440, dr[0.853,1.074], df[0.528,0.217], g[1.639,0.245]
1/1 [=====] - 0s 74ms/step
>441, dr[1.020,0.789], df[0.962,0.216], g[1.035,0.324]
1/1 [=====] - 0s 75ms/step
>442, dr[0.592,1.004], df[0.679,0.265], g[1.243,0.208]
1/1 [=====] - 0s 71ms/step
>443, dr[0.575,1.189], df[0.607,0.156], g[1.544,0.232]
1/1 [=====] - 0s 66ms/step
>444, dr[0.581,0.870], df[0.626,0.136], g[1.271,0.175]
1/1 [=====] - 0s 82ms/step
>445, dr[0.512,1.186], df[0.415,0.225], g[1.403,0.151]
1/1 [=====] - 0s 64ms/step
>446, dr[0.606,1.212], df[0.903,0.099], g[1.322,0.134]
1/1 [=====] - 0s 74ms/step
>447, dr[0.659,0.584], df[0.348,0.095], g[1.653,0.156]
1/1 [=====] - 0s 101ms/step
>448, dr[0.659,0.968], df[0.584,0.063], g[1.329,0.138]
1/1 [=====] - 0s 76ms/step
>449, dr[0.495,0.980], df[0.506,0.124], g[1.304,0.151]
1/1 [=====] - 0s 68ms/step
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>450, dr[0.605,1.079], df[0.452,0.116], g[1.075,0.146]
1/1 [=====] - 0s 77ms/step
>451, dr[0.716,0.801], df[0.692,0.078], g[1.077,0.110]
1/1 [=====] - 0s 66ms/step
>452, dr[0.666,0.838], df[0.540,0.163], g[1.211,0.144]
1/1 [=====] - 0s 178ms/step
>453, dr[0.845,1.250], df[0.617,0.210], g[1.065,0.278]
1/1 [=====] - 0s 106ms/step
>454, dr[0.517,0.877], df[0.601,0.096], g[1.520,0.231]
1/1 [=====] - 0s 197ms/step
>455, dr[0.623,1.208], df[0.390,0.120], g[1.322,0.248]
1/1 [=====] - 0s 112ms/step
>456, dr[0.446,0.890], df[0.560,0.119], g[1.939,0.197]
1/1 [=====] - 0s 95ms/step
>457, dr[0.619,1.066], df[0.606,0.153], g[1.739,0.224]
1/1 [=====] - 0s 81ms/step
>458, dr[0.607,0.729], df[0.375,0.113], g[1.616,0.121]
1/1 [=====] - 0s 67ms/step
>459, dr[0.367,0.692], df[0.475,0.119], g[1.885,0.200]
1/1 [=====] - 0s 96ms/step
>460, dr[0.647,0.926], df[0.572,0.139], g[1.903,0.249]
1/1 [=====] - 0s 91ms/step
>461, dr[0.637,0.997], df[0.540,0.177], g[1.837,0.142]
1/1 [=====] - 0s 85ms/step
>462, dr[0.691,0.981], df[0.571,0.096], g[1.479,0.244]
1/1 [=====] - 0s 73ms/step
>463, dr[0.664,0.907], df[0.658,0.186], g[1.384,0.202]
1/1 [=====] - 0s 64ms/step
>464, dr[0.382,0.795], df[0.398,0.190], g[1.714,0.200]
1/1 [=====] - 0s 76ms/step
>465, dr[0.695,0.885], df[0.364,0.185], g[1.811,0.154]
1/1 [=====] - 0s 68ms/step
>466, dr[0.397,0.933], df[0.510,0.084], g[1.633,0.091]
1/1 [=====] - 0s 81ms/step
>467, dr[0.835,1.211], df[0.563,0.135], g[1.070,0.163]
1/1 [=====] - 0s 68ms/step
>468, dr[0.429,0.665], df[0.880,0.065], g[1.279,0.158]
1/1 [=====] - 0s 124ms/step
>469, dr[0.445,0.531], df[0.468,0.172], g[1.613,0.214]
1/1 [=====] - 0s 70ms/step
>470, dr[0.590,0.747], df[0.397,0.179], g[1.223,0.200]
1/1 [=====] - 0s 75ms/step
>471, dr[0.966,0.539], df[1.342,0.183], g[1.292,0.198]
1/1 [=====] - 0s 65ms/step
>472, dr[0.424,0.471], df[0.630,0.169], g[1.880,0.139]
1/1 [=====] - 0s 86ms/step
>473, dr[0.784,1.317], df[0.402,0.124], g[1.286,0.227]
1/1 [=====] - 0s 67ms/step
>474, dr[0.814,0.984], df[0.816,0.114], g[1.247,0.127]
1/1 [=====] - 0s 70ms/step
>475, dr[0.440,0.537], df[0.865,0.164], g[1.897,0.130]
1/1 [=====] - 0s 68ms/step
>476, dr[0.570,0.812], df[0.294,0.196], g[1.718,0.145]
1/1 [=====] - 0s 71ms/step
>477, dr[0.594,1.057], df[0.609,0.149], g[1.616,0.182]
1/1 [=====] - 0s 75ms/step
>478, dr[0.490,0.681], df[0.320,0.171], g[1.425,0.143]
1/1 [=====] - 0s 69ms/step
>479, dr[0.543,0.977], df[0.673,0.118], g[1.828,0.086]
1/1 [=====] - 0s 74ms/step
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>480, dr[0.540,0.861], df[0.422,0.127], g[1.738,0.057]
1/1 [=====] - 0s 79ms/step
>481, dr[0.367,1.410], df[0.371,0.068], g[1.672,0.089]
1/1 [=====] - 0s 67ms/step
>482, dr[0.454,0.632], df[0.279,0.048], g[1.366,0.187]
1/1 [=====] - 0s 72ms/step
>483, dr[0.429,0.813], df[0.574,0.089], g[1.702,0.141]
1/1 [=====] - 0s 71ms/step
>484, dr[0.642,0.727], df[0.702,0.078], g[1.741,0.116]
1/1 [=====] - 0s 68ms/step
>485, dr[0.616,0.873], df[0.436,0.086], g[1.532,0.137]
1/1 [=====] - 0s 68ms/step
>486, dr[0.534,0.909], df[0.493,0.047], g[1.312,0.110]
1/1 [=====] - 0s 68ms/step
>487, dr[0.354,0.860], df[0.623,0.231], g[1.711,0.167]
1/1 [=====] - 0s 68ms/step
>488, dr[0.664,0.585], df[0.622,0.202], g[1.782,0.255]
1/1 [=====] - 0s 65ms/step
>489, dr[0.683,0.415], df[0.763,0.239], g[1.680,0.231]
1/1 [=====] - 0s 70ms/step
>490, dr[0.811,0.875], df[0.645,0.317], g[1.607,0.164]
1/1 [=====] - 0s 70ms/step
>491, dr[0.568,0.751], df[0.419,0.139], g[1.289,0.542]
1/1 [=====] - 0s 71ms/step
>492, dr[0.546,0.584], df[0.479,0.159], g[1.442,0.266]
1/1 [=====] - 0s 66ms/step
>493, dr[0.467,0.629], df[0.380,0.169], g[1.301,0.355]
1/1 [=====] - 0s 72ms/step
>494, dr[0.443,0.875], df[0.694,0.153], g[1.790,0.210]
1/1 [=====] - 0s 70ms/step
>495, dr[0.434,0.385], df[0.387,0.113], g[1.804,0.117]
1/1 [=====] - 0s 77ms/step
>496, dr[0.831,1.278], df[0.249,0.079], g[1.268,0.317]
1/1 [=====] - 0s 76ms/step
>497, dr[0.267,1.165], df[0.532,0.076], g[1.679,0.322]
1/1 [=====] - 0s 82ms/step
>498, dr[0.380,0.999], df[0.602,0.096], g[1.555,0.104]
1/1 [=====] - 0s 84ms/step
>499, dr[0.686,0.619], df[0.636,0.104], g[1.693,0.167]
1/1 [=====] - 0s 77ms/step
>500, dr[0.690,0.605], df[0.281,0.065], g[1.687,0.096]
1/1 [=====] - 0s 68ms/step
>501, dr[0.606,1.325], df[0.286,0.073], g[1.309,0.122]
1/1 [=====] - 0s 77ms/step
>502, dr[0.319,1.118], df[0.429,0.096], g[1.488,0.167]
1/1 [=====] - 0s 70ms/step
>503, dr[0.429,1.033], df[0.825,0.073], g[1.730,0.142]
1/1 [=====] - 0s 67ms/step
>504, dr[0.360,0.920], df[0.450,0.105], g[1.749,0.122]
1/1 [=====] - 0s 72ms/step
>505, dr[0.684,0.953], df[0.627,0.068], g[1.835,0.187]
1/1 [=====] - 0s 66ms/step
>506, dr[0.596,0.625], df[0.420,0.117], g[1.675,0.097]
1/1 [=====] - 0s 76ms/step
>507, dr[0.970,0.779], df[0.717,0.089], g[1.275,0.150]
1/1 [=====] - 0s 67ms/step
>508, dr[0.382,0.726], df[0.777,0.095], g[1.907,0.107]
1/1 [=====] - 0s 73ms/step
>509, dr[0.945,1.196], df[0.484,0.226], g[1.966,0.096]
1/1 [=====] - 0s 66ms/step
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>510, dr[0.797,1.391], df[0.395,0.178], g[1.685,0.083]
1/1 [=====] - 0s 71ms/step
>511, dr[0.328,0.555], df[0.585,0.056], g[1.490,0.080]
1/1 [=====] - 0s 73ms/step
>512, dr[0.515,0.734], df[0.378,0.135], g[1.276,0.123]
1/1 [=====] - 0s 76ms/step
>513, dr[0.450,0.933], df[0.514,0.137], g[1.546,0.164]
1/1 [=====] - 0s 81ms/step
>514, dr[0.796,0.650], df[0.394,0.081], g[1.425,0.075]
1/1 [=====] - 0s 73ms/step
>515, dr[0.495,1.039], df[0.863,0.076], g[1.578,0.133]
1/1 [=====] - 0s 72ms/step
>516, dr[0.304,1.165], df[0.483,0.039], g[1.928,0.143]
1/1 [=====] - 0s 71ms/step
>517, dr[0.586,0.812], df[0.418,0.084], g[1.776,0.098]
1/1 [=====] - 0s 68ms/step
>518, dr[0.754,0.690], df[0.411,0.105], g[1.569,0.150]
1/1 [=====] - 0s 74ms/step
>519, dr[0.566,0.858], df[0.365,0.062], g[1.681,0.111]
1/1 [=====] - 0s 70ms/step
>520, dr[0.491,0.732], df[0.530,0.040], g[1.619,0.089]
1/1 [=====] - 0s 68ms/step
>521, dr[0.492,0.974], df[0.404,0.066], g[1.734,0.095]
1/1 [=====] - 0s 67ms/step
>522, dr[0.550,0.870], df[0.459,0.102], g[1.939,0.084]
1/1 [=====] - 0s 77ms/step
>523, dr[0.463,0.655], df[0.419,0.083], g[1.742,0.207]
1/1 [=====] - 0s 65ms/step
>524, dr[0.396,0.657], df[0.718,0.137], g[1.841,0.103]
1/1 [=====] - 0s 65ms/step
>525, dr[0.393,0.647], df[0.480,0.047], g[1.812,0.090]
1/1 [=====] - 0s 67ms/step
>526, dr[0.622,0.437], df[0.306,0.084], g[1.641,0.104]
1/1 [=====] - 0s 67ms/step
>527, dr[0.555,0.794], df[0.312,0.119], g[1.513,0.074]
1/1 [=====] - 0s 72ms/step
>528, dr[0.621,0.891], df[0.721,0.056], g[1.559,0.101]
1/1 [=====] - 0s 71ms/step
>529, dr[0.438,0.598], df[0.337,0.081], g[1.771,0.147]
1/1 [=====] - 0s 69ms/step
>530, dr[0.352,0.463], df[0.422,0.098], g[1.769,0.080]
1/1 [=====] - 0s 67ms/step
>531, dr[0.639,1.611], df[0.440,0.064], g[1.725,0.066]
1/1 [=====] - 0s 79ms/step
>532, dr[0.680,0.626], df[0.435,0.046], g[1.514,0.058]
1/1 [=====] - 0s 72ms/step
>533, dr[0.456,0.626], df[0.514,0.194], g[1.413,0.081]
1/1 [=====] - 0s 75ms/step
>534, dr[0.448,1.052], df[0.412,0.070], g[1.720,0.059]
1/1 [=====] - 0s 67ms/step
>535, dr[0.590,0.611], df[0.639,0.071], g[1.612,0.115]
1/1 [=====] - 0s 73ms/step
>536, dr[0.364,0.922], df[0.253,0.073], g[1.595,0.080]
1/1 [=====] - 0s 73ms/step
>537, dr[0.415,1.038], df[0.531,0.019], g[1.758,0.099]
1/1 [=====] - 0s 75ms/step
>538, dr[0.319,0.639], df[0.397,0.030], g[1.545,0.099]
1/1 [=====] - 0s 69ms/step
>539, dr[0.558,0.634], df[0.214,0.085], g[1.641,0.138]
1/1 [=====] - 0s 82ms/step
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>540, dr[0.306,0.404], df[0.264,0.052], g[1.616,0.109]
1/1 [=====] - 0s 72ms/step
>541, dr[0.483,0.500], df[0.531,0.133], g[1.470,0.113]
1/1 [=====] - 0s 77ms/step
>542, dr[0.668,0.970], df[0.363,0.069], g[1.726,0.070]
1/1 [=====] - 0s 73ms/step
>543, dr[0.429,1.163], df[0.369,0.071], g[1.758,0.088]
1/1 [=====] - 0s 76ms/step
>544, dr[0.255,1.390], df[0.451,0.079], g[1.954,0.116]
1/1 [=====] - 0s 68ms/step
>545, dr[0.667,1.172], df[0.317,0.093], g[1.753,0.083]
1/1 [=====] - 0s 72ms/step
>546, dr[0.524,0.833], df[0.513,0.071], g[1.585,0.083]
1/1 [=====] - 0s 67ms/step
>547, dr[0.459,0.954], df[0.409,0.133], g[1.794,0.102]
1/1 [=====] - 0s 74ms/step
>548, dr[0.476,0.695], df[0.375,0.069], g[1.652,0.076]
1/1 [=====] - 0s 68ms/step
>549, dr[0.315,0.731], df[0.382,0.087], g[1.999,0.074]
1/1 [=====] - 0s 75ms/step
>550, dr[0.765,0.572], df[0.308,0.137], g[1.539,0.117]
1/1 [=====] - 0s 66ms/step
>551, dr[0.472,1.023], df[0.442,0.082], g[1.665,0.084]
1/1 [=====] - 0s 72ms/step
>552, dr[0.341,0.650], df[0.444,0.050], g[1.594,0.117]
1/1 [=====] - 0s 69ms/step
>553, dr[0.369,0.856], df[0.382,0.067], g[2.063,0.070]
1/1 [=====] - 0s 81ms/step
>554, dr[0.518,0.867], df[0.363,0.115], g[1.614,0.061]
1/1 [=====] - 0s 66ms/step
>555, dr[0.534,1.101], df[0.633,0.143], g[2.115,0.087]
1/1 [=====] - 0s 69ms/step
>556, dr[0.445,0.588], df[0.341,0.106], g[2.028,0.119]
1/1 [=====] - 0s 69ms/step
>557, dr[0.312,0.954], df[0.339,0.080], g[2.178,0.138]
1/1 [=====] - 0s 70ms/step
>558, dr[0.404,0.932], df[0.365,0.051], g[1.863,0.108]
1/1 [=====] - 0s 67ms/step
>559, dr[0.258,0.799], df[0.504,0.086], g[1.897,0.093]
1/1 [=====] - 0s 74ms/step
>560, dr[0.743,0.815], df[0.283,0.175], g[1.839,0.166]
1/1 [=====] - 0s 68ms/step
>561, dr[0.427,0.797], df[0.920,0.156], g[1.775,0.382]
1/1 [=====] - 0s 76ms/step
>562, dr[0.680,0.846], df[0.650,0.150], g[1.843,0.231]
1/1 [=====] - 0s 71ms/step
>563, dr[0.537,0.623], df[0.594,0.145], g[1.815,0.229]
1/1 [=====] - 0s 74ms/step
>564, dr[0.524,0.822], df[0.420,0.281], g[1.790,0.307]
1/1 [=====] - 0s 67ms/step
>565, dr[0.321,0.741], df[0.417,0.217], g[1.791,0.204]
1/1 [=====] - 0s 71ms/step
>566, dr[0.497,0.952], df[0.371,0.090], g[1.919,0.161]
1/1 [=====] - 0s 67ms/step
>567, dr[0.263,0.825], df[0.453,0.263], g[2.087,0.194]
1/1 [=====] - 0s 67ms/step
>568, dr[0.447,0.592], df[0.547,0.152], g[2.355,0.139]
1/1 [=====] - 0s 67ms/step
>569, dr[0.479,1.071], df[0.378,0.157], g[2.333,0.140]
1/1 [=====] - 0s 70ms/step
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>570, dr[0.378,0.495], df[0.246,0.249], g[2.058,0.144]
1/1 [=====] - 0s 67ms/step
>571, dr[0.347,0.819], df[0.371,0.155], g[1.853,0.150]
1/1 [=====] - 0s 70ms/step
>572, dr[0.284,1.153], df[0.365,0.166], g[2.243,0.083]
1/1 [=====] - 0s 68ms/step
>573, dr[0.193,0.911], df[0.292,0.148], g[2.401,0.152]
1/1 [=====] - 0s 66ms/step
>574, dr[0.324,0.636], df[0.271,0.098], g[2.374,0.064]
1/1 [=====] - 0s 72ms/step
>575, dr[0.220,0.923], df[0.373,0.040], g[2.534,0.066]
1/1 [=====] - 0s 67ms/step
>576, dr[0.226,0.914], df[0.296,0.048], g[2.390,0.075]
1/1 [=====] - 0s 69ms/step
>577, dr[0.706,1.067], df[0.377,0.053], g[2.055,0.052]
1/1 [=====] - 0s 66ms/step
>578, dr[0.401,1.405], df[0.516,0.051], g[1.966,0.053]
1/1 [=====] - 0s 69ms/step
>579, dr[0.414,0.808], df[0.457,0.050], g[1.860,0.076]
1/1 [=====] - 0s 69ms/step
>580, dr[0.499,0.538], df[0.418,0.061], g[1.814,0.055]
1/1 [=====] - 0s 75ms/step
>581, dr[0.521,0.674], df[0.707,0.076], g[1.694,0.094]
1/1 [=====] - 0s 68ms/step
>582, dr[0.481,1.315], df[0.634,0.143], g[2.000,0.122]
1/1 [=====] - 0s 78ms/step
>583, dr[0.742,1.071], df[0.568,0.187], g[1.706,0.208]
1/1 [=====] - 0s 67ms/step
>584, dr[0.851,0.635], df[0.579,0.136], g[1.925,0.156]
1/1 [=====] - 0s 85ms/step
>585, dr[0.590,0.561], df[0.595,0.131], g[1.948,0.132]
1/1 [=====] - 0s 80ms/step
>586, dr[0.511,0.807], df[0.499,0.047], g[2.085,0.091]
1/1 [=====] - 0s 72ms/step
>587, dr[0.498,0.508], df[0.417,0.081], g[2.082,0.092]
1/1 [=====] - 0s 68ms/step
>588, dr[0.611,0.626], df[0.357,0.040], g[2.129,0.072]
1/1 [=====] - 0s 72ms/step
>589, dr[0.521,1.097], df[0.488,0.054], g[1.740,0.120]
1/1 [=====] - 0s 76ms/step
>590, dr[0.360,0.814], df[0.450,0.043], g[2.305,0.070]
1/1 [=====] - 0s 70ms/step
>591, dr[0.397,0.945], df[0.312,0.038], g[2.296,0.059]
1/1 [=====] - 0s 68ms/step
>592, dr[0.658,0.735], df[0.407,0.108], g[1.492,0.069]
1/1 [=====] - 0s 68ms/step
>593, dr[0.558,0.578], df[0.603,0.076], g[1.601,0.038]
1/1 [=====] - 0s 69ms/step
>594, dr[0.510,0.913], df[0.531,0.040], g[1.641,0.066]
1/1 [=====] - 0s 70ms/step
>595, dr[0.492,0.825], df[0.572,0.057], g[2.025,0.050]
1/1 [=====] - 0s 66ms/step
>596, dr[0.404,1.030], df[0.441,0.086], g[2.453,0.059]
1/1 [=====] - 0s 67ms/step
>597, dr[0.385,0.983], df[0.375,0.039], g[2.408,0.063]
1/1 [=====] - 0s 66ms/step
>598, dr[0.731,0.837], df[0.198,0.061], g[1.820,0.064]
1/1 [=====] - 0s 67ms/step
>599, dr[0.523,0.836], df[0.449,0.063], g[1.750,0.061]
1/1 [=====] - 0s 85ms/step
```

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>600, dr[0.337,0.606], df[0.547,0.054], g[2.264,0.086]
1/1 [=====] - 0s 73ms/step
>601, dr[0.421,0.700], df[0.514,0.057], g[2.209,0.105]
1/1 [=====] - 0s 77ms/step
>602, dr[0.713,0.778], df[0.435,0.051], g[2.386,0.051]
1/1 [=====] - 0s 82ms/step
>603, dr[0.426,0.391], df[0.418,0.126], g[2.422,0.095]
1/1 [=====] - 0s 81ms/step
>604, dr[0.655,0.898], df[0.391,0.043], g[1.800,0.057]
1/1 [=====] - 0s 68ms/step
>605, dr[0.463,0.951], df[0.529,0.039], g[2.195,0.101]
1/1 [=====] - 0s 78ms/step
>606, dr[0.353,0.609], df[0.581,0.035], g[2.033,0.137]
1/1 [=====] - 0s 69ms/step
>607, dr[0.571,0.251], df[0.417,0.103], g[1.949,0.063]
1/1 [=====] - 0s 75ms/step
>608, dr[0.610,0.706], df[0.299,0.075], g[2.153,0.067]
1/1 [=====] - 0s 68ms/step
>609, dr[0.489,0.405], df[0.190,0.059], g[1.684,0.076]
1/1 [=====] - 0s 76ms/step
>610, dr[0.360,1.110], df[0.616,0.048], g[1.990,0.044]
1/1 [=====] - 0s 67ms/step
>611, dr[0.338,1.290], df[0.498,0.080], g[2.059,0.114]
1/1 [=====] - 0s 72ms/step
>612, dr[0.426,0.747], df[0.408,0.024], g[1.971,0.064]
1/1 [=====] - 0s 69ms/step
>613, dr[0.676,0.834], df[0.274,0.061], g[1.913,0.080]
1/1 [=====] - 0s 71ms/step
>614, dr[0.505,1.104], df[0.611,0.043], g[1.565,0.058]
1/1 [=====] - 0s 68ms/step
>615, dr[0.279,1.250], df[0.545,0.084], g[2.283,0.068]
1/1 [=====] - 0s 68ms/step
>616, dr[0.390,0.509], df[0.236,0.046], g[1.833,0.089]
1/1 [=====] - 0s 70ms/step
>617, dr[0.310,0.484], df[0.248,0.108], g[1.800,0.052]
1/1 [=====] - 0s 70ms/step
>618, dr[0.385,0.651], df[0.448,0.078], g[2.260,0.067]
1/1 [=====] - 0s 75ms/step
>619, dr[0.418,1.159], df[0.321,0.042], g[2.032,0.063]
1/1 [=====] - 0s 68ms/step
>620, dr[0.321,0.950], df[0.437,0.036], g[2.064,0.088]
1/1 [=====] - 0s 74ms/step
>621, dr[0.583,0.772], df[0.609,0.038], g[2.205,0.124]
1/1 [=====] - 0s 66ms/step
>622, dr[0.725,0.668], df[0.242,0.064], g[1.782,0.082]
1/1 [=====] - 0s 75ms/step
>623, dr[0.290,0.673], df[0.594,0.058], g[2.091,0.123]
1/1 [=====] - 0s 71ms/step
>624, dr[0.530,0.901], df[0.402,0.079], g[1.838,0.104]
1/1 [=====] - 0s 71ms/step
>625, dr[0.431,1.011], df[0.402,0.049], g[1.962,0.112]
1/1 [=====] - 0s 66ms/step
>626, dr[0.487,0.708], df[0.424,0.049], g[2.214,0.089]
1/1 [=====] - 0s 75ms/step
>627, dr[0.435,1.093], df[0.419,0.121], g[2.259,0.069]
1/1 [=====] - 0s 67ms/step
>628, dr[0.473,1.162], df[0.495,0.061], g[2.114,0.101]
1/1 [=====] - 0s 74ms/step
>629, dr[0.317,0.544], df[0.361,0.072], g[2.531,0.098]
1/1 [=====] - 0s 77ms/step
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>630, dr[0.531,0.762], df[0.419,0.179], g[1.875,0.064]
1/1 [=====] - 0s 80ms/step
>631, dr[0.333,0.914], df[0.260,0.078], g[2.144,0.110]
1/1 [=====] - 0s 74ms/step
>632, dr[0.506,0.877], df[0.391,0.082], g[1.932,0.083]
1/1 [=====] - 0s 76ms/step
>633, dr[0.715,0.940], df[0.594,0.085], g[1.929,0.116]
1/1 [=====] - 0s 69ms/step
>634, dr[0.292,0.856], df[0.469,0.112], g[2.248,0.111]
1/1 [=====] - 0s 67ms/step
>635, dr[0.279,0.682], df[0.292,0.130], g[1.934,0.123]
1/1 [=====] - 0s 71ms/step
>636, dr[0.791,1.698], df[0.429,0.137], g[1.765,0.131]
1/1 [=====] - 0s 72ms/step
>637, dr[0.313,0.729], df[0.494,0.053], g[1.622,0.136]
1/1 [=====] - 0s 77ms/step
>638, dr[0.510,1.040], df[0.494,0.141], g[2.043,0.143]
1/1 [=====] - 0s 71ms/step
>639, dr[0.334,0.609], df[0.339,0.059], g[2.241,0.089]
1/1 [=====] - 0s 73ms/step
>640, dr[0.492,0.651], df[0.679,0.093], g[2.138,0.179]
1/1 [=====] - 0s 72ms/step
>641, dr[0.868,1.280], df[0.691,0.056], g[1.720,0.107]
1/1 [=====] - 0s 72ms/step
>642, dr[0.661,0.445], df[0.643,0.127], g[1.719,0.093]
1/1 [=====] - 0s 72ms/step
>643, dr[0.388,0.909], df[0.521,0.069], g[1.933,0.077]
1/1 [=====] - 0s 70ms/step
>644, dr[0.254,0.378], df[0.341,0.102], g[2.348,0.135]
1/1 [=====] - 0s 68ms/step
>645, dr[0.515,0.653], df[0.248,0.079], g[2.133,0.063]
1/1 [=====] - 0s 73ms/step
>646, dr[0.409,0.484], df[0.446,0.071], g[2.061,0.061]
1/1 [=====] - 0s 68ms/step
>647, dr[0.389,0.814], df[0.432,0.139], g[1.831,0.101]
1/1 [=====] - 0s 72ms/step
>648, dr[0.560,1.410], df[0.511,0.087], g[2.006,0.079]
1/1 [=====] - 0s 68ms/step
>649, dr[0.278,1.037], df[0.393,0.238], g[2.114,0.125]
1/1 [=====] - 0s 75ms/step
>650, dr[0.745,1.053], df[0.464,0.104], g[1.985,0.084]
1/1 [=====] - 0s 67ms/step
>651, dr[0.387,0.746], df[0.707,0.057], g[1.991,0.094]
1/1 [=====] - 0s 70ms/step
>652, dr[0.374,0.984], df[0.593,0.075], g[2.072,0.093]
1/1 [=====] - 0s 68ms/step
>653, dr[0.421,0.758], df[0.344,0.075], g[2.160,0.049]
1/1 [=====] - 0s 74ms/step
>654, dr[0.532,0.814], df[0.703,0.118], g[2.122,0.185]
1/1 [=====] - 0s 72ms/step
>655, dr[0.640,0.732], df[0.472,0.046], g[2.374,0.093]
1/1 [=====] - 0s 111ms/step
>656, dr[0.488,0.412], df[0.282,0.084], g[2.128,0.113]
1/1 [=====] - 0s 69ms/step
>657, dr[0.420,0.311], df[0.394,0.067], g[1.882,0.155]
1/1 [=====] - 0s 71ms/step
>658, dr[0.660,0.877], df[0.650,0.273], g[1.571,0.089]
1/1 [=====] - 0s 75ms/step
>659, dr[0.367,1.394], df[0.598,0.172], g[1.712,0.163]
1/1 [=====] - 0s 69ms/step
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>660, dr[0.599,0.937], df[0.413,0.144], g[1.729,0.189]
1/1 [=====] - 0s 74ms/step
>661, dr[0.341,0.732], df[0.452,0.231], g[2.055,0.131]
1/1 [=====] - 0s 76ms/step
>662, dr[0.522,1.101], df[0.512,0.212], g[2.004,0.094]
1/1 [=====] - 0s 74ms/step
>663, dr[0.420,0.717], df[0.431,0.168], g[2.139,0.120]
1/1 [=====] - 0s 65ms/step
>664, dr[0.540,1.191], df[0.533,0.197], g[1.780,0.178]
1/1 [=====] - 0s 75ms/step
>665, dr[0.310,0.779], df[0.464,0.118], g[1.981,0.090]
1/1 [=====] - 0s 68ms/step
>666, dr[0.611,1.332], df[0.585,0.104], g[1.583,0.150]
1/1 [=====] - 0s 76ms/step
>667, dr[0.421,0.742], df[0.580,0.195], g[2.113,0.086]
1/1 [=====] - 0s 67ms/step
>668, dr[0.445,0.762], df[0.581,0.141], g[1.951,0.125]
1/1 [=====] - 0s 75ms/step
>669, dr[0.455,0.695], df[0.314,0.059], g[1.782,0.142]
1/1 [=====] - 0s 66ms/step
>670, dr[0.407,1.038], df[0.524,0.192], g[2.017,0.140]
1/1 [=====] - 0s 73ms/step
>671, dr[0.641,0.949], df[0.470,0.107], g[1.889,0.143]
1/1 [=====] - 0s 66ms/step
>672, dr[0.591,0.442], df[0.514,0.161], g[2.068,0.076]
1/1 [=====] - 0s 75ms/step
>673, dr[0.377,0.576], df[0.505,0.188], g[2.435,0.099]
1/1 [=====] - 0s 75ms/step
>674, dr[0.496,0.670], df[0.424,0.069], g[1.959,0.118]
1/1 [=====] - 0s 71ms/step
>675, dr[0.354,1.068], df[0.393,0.161], g[2.030,0.116]
1/1 [=====] - 0s 75ms/step
>676, dr[0.535,0.867], df[0.766,0.134], g[2.109,0.111]
1/1 [=====] - 0s 75ms/step
>677, dr[0.560,0.769], df[0.459,0.103], g[1.982,0.108]
1/1 [=====] - 0s 81ms/step
>678, dr[0.703,1.429], df[0.451,0.156], g[1.626,0.084]
1/1 [=====] - 0s 68ms/step
>679, dr[0.396,0.609], df[0.625,0.182], g[2.011,0.088]
1/1 [=====] - 0s 84ms/step
>680, dr[0.280,0.667], df[0.419,0.228], g[2.019,0.063]
1/1 [=====] - 0s 100ms/step
>681, dr[0.464,1.242], df[0.461,0.038], g[2.250,0.107]
1/1 [=====] - 0s 69ms/step
>682, dr[0.325,0.762], df[0.452,0.165], g[2.337,0.134]
1/1 [=====] - 0s 73ms/step
>683, dr[0.576,0.928], df[0.318,0.125], g[2.225,0.092]
1/1 [=====] - 0s 76ms/step
>684, dr[0.614,1.722], df[0.773,0.150], g[2.041,0.125]
1/1 [=====] - 0s 82ms/step
>685, dr[0.575,0.754], df[0.485,0.213], g[1.984,0.245]
1/1 [=====] - 0s 74ms/step
>686, dr[0.370,0.855], df[0.454,0.206], g[2.509,0.171]
1/1 [=====] - 0s 72ms/step
>687, dr[0.611,0.487], df[0.476,0.131], g[1.900,0.168]
1/1 [=====] - 0s 76ms/step
>688, dr[0.568,0.716], df[0.515,0.137], g[1.767,0.059]
1/1 [=====] - 0s 71ms/step
>689, dr[0.331,0.758], df[0.616,0.164], g[2.341,0.136]
1/1 [=====] - 0s 73ms/step
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>690, dr[0.478,1.315], df[0.404,0.105], g[1.977,0.195]
1/1 [=====] - 0s 79ms/step
>691, dr[0.433,0.813], df[0.286,0.074], g[2.071,0.105]
1/1 [=====] - 0s 76ms/step
>692, dr[0.367,0.524], df[0.194,0.060], g[1.604,0.092]
1/1 [=====] - 0s 69ms/step
>693, dr[0.471,0.532], df[0.428,0.063], g[1.716,0.123]
1/1 [=====] - 0s 66ms/step
>694, dr[0.412,0.679], df[0.486,0.152], g[1.850,0.171]
1/1 [=====] - 0s 76ms/step
>695, dr[0.400,0.735], df[0.487,0.095], g[1.787,0.169]
1/1 [=====] - 0s 70ms/step
>696, dr[0.429,0.899], df[0.380,0.127], g[1.740,0.102]
1/1 [=====] - 0s 79ms/step
>697, dr[0.582,0.488], df[0.387,0.085], g[1.837,0.111]
1/1 [=====] - 0s 69ms/step
>698, dr[0.841,0.903], df[0.607,0.173], g[1.632,0.075]
1/1 [=====] - 0s 74ms/step
>699, dr[0.279,0.455], df[0.647,0.075], g[1.792,0.177]
1/1 [=====] - 0s 68ms/step
>700, dr[0.635,0.617], df[0.574,0.049], g[2.058,0.157]
1/1 [=====] - 0s 74ms/step
>701, dr[0.511,0.626], df[0.487,0.132], g[2.415,0.087]
1/1 [=====] - 0s 74ms/step
>702, dr[0.952,0.384], df[0.381,0.125], g[1.673,0.132]
1/1 [=====] - 0s 74ms/step
>703, dr[0.265,0.864], df[0.695,0.100], g[1.824,0.086]
1/1 [=====] - 0s 71ms/step
>704, dr[0.497,1.268], df[0.736,0.070], g[2.379,0.116]
1/1 [=====] - 0s 79ms/step
>705, dr[0.485,1.035], df[0.355,0.109], g[1.961,0.219]
1/1 [=====] - 0s 67ms/step
>706, dr[0.521,1.218], df[0.522,0.135], g[2.024,0.134]
1/1 [=====] - 0s 70ms/step
>707, dr[0.435,0.675], df[0.289,0.196], g[1.651,0.085]
1/1 [=====] - 0s 68ms/step
>708, dr[0.275,0.794], df[0.434,0.110], g[1.832,0.118]
1/1 [=====] - 0s 67ms/step
>709, dr[0.656,0.779], df[0.376,0.170], g[1.666,0.095]
1/1 [=====] - 0s 68ms/step
>710, dr[0.345,0.585], df[0.564,0.179], g[1.596,0.121]
1/1 [=====] - 0s 73ms/step
>711, dr[0.421,0.928], df[0.601,0.144], g[1.888,0.097]
1/1 [=====] - 0s 73ms/step
>712, dr[0.503,0.408], df[0.279,0.058], g[1.750,0.110]
1/1 [=====] - 0s 68ms/step
>713, dr[0.606,1.234], df[0.572,0.069], g[1.914,0.096]
1/1 [=====] - 0s 78ms/step
>714, dr[0.289,0.690], df[0.318,0.128], g[1.550,0.151]
1/1 [=====] - 0s 68ms/step
>715, dr[0.614,0.609], df[0.426,0.146], g[1.608,0.183]
1/1 [=====] - 0s 73ms/step
>716, dr[0.506,0.490], df[0.631,0.095], g[1.285,0.092]
1/1 [=====] - 0s 69ms/step
>717, dr[0.567,0.554], df[0.486,0.128], g[1.492,0.096]
1/1 [=====] - 0s 73ms/step
>718, dr[0.573,0.938], df[0.505,0.056], g[1.457,0.119]
1/1 [=====] - 0s 68ms/step
>719, dr[0.653,0.552], df[0.520,0.147], g[1.319,0.134]
1/1 [=====] - 0s 78ms/step
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>720, dr[0.424,0.531], df[0.549,0.095], g[1.620,0.120]
1/1 [=====] - 0s 67ms/step
>721, dr[0.466,0.918], df[0.502,0.047], g[1.255,0.080]
1/1 [=====] - 0s 73ms/step
>722, dr[0.500,0.777], df[0.355,0.276], g[1.490,0.090]
1/1 [=====] - 0s 64ms/step
>723, dr[0.496,0.805], df[0.679,0.176], g[1.226,0.162]
1/1 [=====] - 0s 74ms/step
>724, dr[0.333,1.133], df[0.582,0.212], g[1.866,0.067]
1/1 [=====] - 0s 67ms/step
>725, dr[0.515,1.015], df[0.303,0.079], g[1.513,0.127]
1/1 [=====] - 0s 74ms/step
>726, dr[0.479,0.553], df[0.563,0.160], g[1.404,0.143]
1/1 [=====] - 0s 70ms/step
>727, dr[0.466,0.943], df[0.577,0.120], g[1.536,0.140]
1/1 [=====] - 0s 78ms/step
>728, dr[0.863,0.200], df[0.478,0.074], g[1.386,0.130]
1/1 [=====] - 0s 69ms/step
>729, dr[0.690,1.009], df[0.605,0.123], g[1.252,0.092]
1/1 [=====] - 0s 77ms/step
>730, dr[0.372,1.015], df[0.436,0.071], g[1.586,0.171]
1/1 [=====] - 0s 70ms/step
>731, dr[0.732,0.664], df[0.499,0.086], g[1.022,0.215]
1/1 [=====] - 0s 72ms/step
>732, dr[0.734,0.900], df[0.786,0.203], g[1.100,0.092]
1/1 [=====] - 0s 72ms/step
>733, dr[0.874,0.956], df[0.656,0.099], g[0.983,0.199]
1/1 [=====] - 0s 78ms/step
>734, dr[0.391,1.236], df[0.544,0.090], g[0.967,0.196]
1/1 [=====] - 0s 75ms/step
>735, dr[0.817,0.685], df[0.526,0.104], g[1.343,0.106]
1/1 [=====] - 0s 82ms/step
>736, dr[0.387,1.125], df[0.545,0.166], g[1.504,0.363]
1/1 [=====] - 0s 75ms/step
>737, dr[0.685,0.528], df[0.588,0.117], g[1.123,0.158]
1/1 [=====] - 0s 73ms/step
>738, dr[0.293,0.964], df[0.403,0.101], g[1.171,0.226]
1/1 [=====] - 0s 66ms/step
>739, dr[0.404,1.209], df[0.558,0.110], g[1.317,0.195]
1/1 [=====] - 0s 75ms/step
>740, dr[0.567,1.107], df[0.408,0.143], g[1.384,0.151]
1/1 [=====] - 0s 67ms/step
>741, dr[0.375,0.884], df[0.448,0.118], g[1.672,0.190]
1/1 [=====] - 0s 71ms/step
>742, dr[0.588,0.765], df[0.530,0.127], g[1.382,0.221]
1/1 [=====] - 0s 78ms/step
>743, dr[0.444,0.843], df[0.256,0.326], g[1.649,0.117]
1/1 [=====] - 0s 71ms/step
>744, dr[0.281,0.980], df[0.638,0.121], g[1.919,0.161]
1/1 [=====] - 0s 69ms/step
>745, dr[0.318,1.111], df[0.261,0.188], g[2.381,0.371]
1/1 [=====] - 0s 69ms/step
>746, dr[0.555,0.859], df[0.355,0.126], g[3.048,0.219]
1/1 [=====] - 0s 70ms/step
>747, dr[0.602,0.600], df[0.404,0.281], g[2.231,0.231]
1/1 [=====] - 0s 72ms/step
>748, dr[0.406,0.968], df[0.529,0.248], g[3.171,0.190]
1/1 [=====] - 0s 70ms/step
>749, dr[0.505,0.610], df[0.199,0.357], g[2.654,0.218]
1/1 [=====] - 0s 82ms/step
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>750, dr[0.440,0.731], df[0.240,0.156], g[2.202,0.204]
1/1 [=====] - 0s 114ms/step
>751, dr[0.180,0.902], df[0.168,0.148], g[2.677,0.297]
1/1 [=====] - 0s 78ms/step
>752, dr[0.307,0.805], df[0.506,0.202], g[2.604,0.172]
1/1 [=====] - 0s 98ms/step
>753, dr[0.481,1.311], df[0.421,0.290], g[2.621,0.255]
1/1 [=====] - 0s 75ms/step
>754, dr[0.289,0.523], df[0.275,0.171], g[2.500,0.286]
1/1 [=====] - 0s 79ms/step
>755, dr[0.283,0.409], df[0.438,0.136], g[2.564,0.174]
1/1 [=====] - 0s 112ms/step
>756, dr[0.365,0.716], df[0.428,0.167], g[2.607,0.133]
1/1 [=====] - 0s 151ms/step
>757, dr[0.487,1.302], df[0.267,0.163], g[2.280,0.233]
1/1 [=====] - 0s 113ms/step
>758, dr[0.414,0.959], df[0.269,0.088], g[1.951,0.155]
1/1 [=====] - 0s 112ms/step
>759, dr[0.414,1.403], df[0.623,0.325], g[2.328,0.225]
1/1 [=====] - 0s 105ms/step
>760, dr[0.334,0.736], df[0.566,0.157], g[2.129,0.174]
1/1 [=====] - 0s 127ms/step
>761, dr[0.425,1.282], df[0.408,0.192], g[2.124,0.116]
1/1 [=====] - 0s 90ms/step
>762, dr[0.371,0.622], df[0.387,0.247], g[2.069,0.135]
1/1 [=====] - 0s 83ms/step
>763, dr[0.364,1.252], df[0.742,0.187], g[2.179,0.181]
1/1 [=====] - 0s 78ms/step
>764, dr[0.443,0.725], df[0.457,0.079], g[2.077,0.142]
1/1 [=====] - 0s 74ms/step
>765, dr[0.630,0.366], df[0.659,0.141], g[1.955,0.087]
1/1 [=====] - 0s 72ms/step
>766, dr[0.455,0.578], df[0.645,0.142], g[1.886,0.100]
1/1 [=====] - 0s 74ms/step
>767, dr[0.275,0.586], df[0.633,0.097], g[2.033,0.075]
1/1 [=====] - 0s 71ms/step
>768, dr[0.754,0.596], df[0.681,0.171], g[1.591,0.113]
1/1 [=====] - 0s 74ms/step
>769, dr[0.384,0.851], df[0.631,0.116], g[2.217,0.097]
1/1 [=====] - 0s 67ms/step
>770, dr[0.669,0.487], df[0.938,0.164], g[1.668,0.119]
1/1 [=====] - 0s 77ms/step
>771, dr[0.337,0.911], df[0.650,0.192], g[2.035,0.107]
1/1 [=====] - 0s 75ms/step
>772, dr[0.509,0.848], df[0.408,0.298], g[1.908,0.104]
1/1 [=====] - 0s 81ms/step
>773, dr[0.501,1.297], df[0.357,0.185], g[2.057,0.131]
1/1 [=====] - 0s 79ms/step
>774, dr[0.487,0.440], df[0.418,0.136], g[1.848,0.054]
1/1 [=====] - 0s 91ms/step
>775, dr[0.314,1.168], df[0.681,0.181], g[1.872,0.110]
1/1 [=====] - 0s 79ms/step
>776, dr[0.446,0.929], df[0.491,0.115], g[1.478,0.123]
1/1 [=====] - 0s 86ms/step
>777, dr[0.271,1.006], df[0.474,0.356], g[1.970,0.157]
1/1 [=====] - 0s 77ms/step
>778, dr[0.552,0.912], df[0.423,0.065], g[1.902,0.085]
1/1 [=====] - 0s 77ms/step
>779, dr[0.535,0.771], df[0.510,0.133], g[1.820,0.081]
1/1 [=====] - 0s 75ms/step
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>780, dr[0.630,0.555], df[0.436,0.053], g[2.019,0.117]
1/1 [=====] - 0s 80ms/step
>781, dr[0.123,0.600], df[0.401,0.160], g[2.348,0.089]
1/1 [=====] - 0s 75ms/step
>782, dr[0.375,1.079], df[0.333,0.168], g[2.365,0.198]
1/1 [=====] - 0s 87ms/step
>783, dr[0.734,0.814], df[0.349,0.238], g[2.095,0.104]
1/1 [=====] - 0s 67ms/step
>784, dr[0.395,0.765], df[0.506,0.064], g[2.209,0.105]
1/1 [=====] - 0s 72ms/step
>785, dr[0.459,1.018], df[0.318,0.178], g[2.193,0.112]
1/1 [=====] - 0s 65ms/step
>786, dr[0.424,0.542], df[0.405,0.067], g[2.509,0.131]
1/1 [=====] - 0s 74ms/step
>787, dr[0.184,0.851], df[0.256,0.245], g[2.836,0.122]
1/1 [=====] - 0s 70ms/step
>788, dr[0.348,0.924], df[0.195,0.109], g[2.835,0.197]
1/1 [=====] - 0s 76ms/step
>789, dr[0.456,1.148], df[0.407,0.053], g[2.231,0.120]
1/1 [=====] - 0s 69ms/step
>790, dr[0.449,0.826], df[0.324,0.223], g[2.065,0.207]
1/1 [=====] - 0s 72ms/step
>791, dr[0.159,0.604], df[0.510,0.284], g[2.331,0.139]
1/1 [=====] - 0s 75ms/step
>792, dr[0.575,0.553], df[0.394,0.210], g[2.314,0.108]
1/1 [=====] - 0s 88ms/step
>793, dr[0.270,1.053], df[0.427,0.115], g[2.551,0.109]
1/1 [=====] - 0s 68ms/step
>794, dr[0.289,0.644], df[0.262,0.068], g[2.212,0.187]
1/1 [=====] - 0s 68ms/step
>795, dr[0.492,0.876], df[0.365,0.103], g[2.546,0.201]
1/1 [=====] - 0s 73ms/step
>796, dr[0.298,0.625], df[0.517,0.069], g[2.850,0.072]
1/1 [=====] - 0s 73ms/step
>797, dr[0.436,0.594], df[0.390,0.133], g[2.513,0.153]
1/1 [=====] - 0s 73ms/step
>798, dr[0.452,0.923], df[0.331,0.135], g[2.469,0.130]
1/1 [=====] - 0s 67ms/step
>799, dr[0.383,0.805], df[0.310,0.126], g[1.765,0.130]
1/1 [=====] - 0s 80ms/step
>800, dr[0.347,1.122], df[0.756,0.133], g[2.011,0.170]
1/1 [=====] - 0s 125ms/step
>801, dr[0.298,0.873], df[0.355,0.100], g[2.133,0.213]
1/1 [=====] - 0s 81ms/step
>802, dr[0.407,0.736], df[0.545,0.085], g[2.535,0.141]
1/1 [=====] - 0s 105ms/step
>803, dr[0.434,0.669], df[0.598,0.133], g[2.398,0.186]
1/1 [=====] - 0s 79ms/step
>804, dr[0.316,0.867], df[0.484,0.105], g[2.191,0.086]
1/1 [=====] - 0s 99ms/step
>805, dr[0.508,0.931], df[0.358,0.097], g[2.338,0.224]
1/1 [=====] - 0s 108ms/step
>806, dr[0.531,0.429], df[0.673,0.111], g[2.162,0.167]
1/1 [=====] - 0s 113ms/step
>807, dr[0.566,0.923], df[0.281,0.072], g[2.248,0.201]
1/1 [=====] - 0s 81ms/step
>808, dr[0.430,0.914], df[0.621,0.189], g[2.322,0.120]
1/1 [=====] - 0s 91ms/step
>809, dr[0.403,1.443], df[0.358,0.185], g[2.317,0.089]
1/1 [=====] - 0s 79ms/step
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>810, dr[0.451,0.445], df[0.440,0.108], g[2.219,0.100]
1/1 [=====] - 0s 73ms/step
>811, dr[0.440,1.049], df[0.559,0.103], g[2.213,0.115]
1/1 [=====] - 0s 79ms/step
>812, dr[0.434,0.747], df[0.452,0.138], g[1.889,0.165]
1/1 [=====] - 0s 75ms/step
>813, dr[0.437,0.854], df[0.529,0.151], g[2.309,0.075]
1/1 [=====] - 0s 80ms/step
>814, dr[0.498,0.616], df[0.438,0.234], g[2.011,0.122]
1/1 [=====] - 0s 71ms/step
>815, dr[0.454,0.812], df[0.427,0.229], g[2.058,0.166]
1/1 [=====] - 0s 83ms/step
>816, dr[0.280,0.888], df[0.416,0.161], g[2.724,0.126]
1/1 [=====] - 0s 82ms/step
>817, dr[0.635,0.634], df[0.179,0.080], g[1.915,0.139]
1/1 [=====] - 0s 80ms/step
>818, dr[0.333,0.842], df[0.335,0.128], g[1.924,0.152]
1/1 [=====] - 0s 75ms/step
>819, dr[0.510,0.781], df[0.481,0.154], g[1.429,0.175]
1/1 [=====] - 0s 73ms/step
>820, dr[0.416,1.059], df[0.706,0.183], g[2.100,0.156]
1/1 [=====] - 0s 78ms/step
>821, dr[0.213,0.890], df[0.280,0.128], g[2.220,0.200]
1/1 [=====] - 0s 74ms/step
>822, dr[0.842,0.818], df[0.327,0.202], g[1.869,0.121]
1/1 [=====] - 0s 71ms/step
>823, dr[0.315,0.979], df[0.435,0.154], g[1.690,0.135]
1/1 [=====] - 0s 77ms/step
>824, dr[0.361,0.756], df[0.445,0.324], g[2.072,0.101]
1/1 [=====] - 0s 84ms/step
>825, dr[0.426,0.657], df[0.412,0.113], g[1.922,0.179]
1/1 [=====] - 0s 80ms/step
>826, dr[0.450,0.979], df[0.459,0.214], g[2.489,0.140]
1/1 [=====] - 0s 83ms/step
>827, dr[0.373,0.548], df[0.355,0.127], g[2.286,0.099]
1/1 [=====] - 0s 84ms/step
>828, dr[0.663,0.596], df[0.382,0.083], g[1.862,0.126]
1/1 [=====] - 0s 80ms/step
>829, dr[0.403,0.845], df[0.235,0.106], g[1.585,0.314]
1/1 [=====] - 0s 79ms/step
>830, dr[0.373,0.383], df[0.543,0.091], g[1.552,0.155]
1/1 [=====] - 0s 77ms/step
>831, dr[0.521,0.884], df[0.448,0.126], g[1.647,0.132]
1/1 [=====] - 0s 79ms/step
>832, dr[0.217,1.223], df[0.419,0.129], g[2.156,0.090]
1/1 [=====] - 0s 95ms/step
>833, dr[0.754,0.866], df[0.246,0.108], g[1.539,0.146]
1/1 [=====] - 0s 75ms/step
>834, dr[0.582,0.799], df[0.423,0.087], g[1.341,0.204]
1/1 [=====] - 0s 81ms/step
>835, dr[0.359,0.795], df[0.576,0.234], g[1.184,0.130]
1/1 [=====] - 0s 78ms/step
>836, dr[0.276,0.616], df[0.827,0.080], g[1.955,0.108]
1/1 [=====] - 0s 73ms/step
>837, dr[0.424,1.206], df[0.254,0.148], g[1.894,0.146]
1/1 [=====] - 0s 76ms/step
>838, dr[0.293,0.557], df[0.401,0.119], g[1.731,0.152]
1/1 [=====] - 0s 78ms/step
>839, dr[0.608,0.798], df[0.558,0.159], g[1.523,0.187]
1/1 [=====] - 0s 81ms/step
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>840, dr[0.700,0.531], df[0.382,0.250], g[1.364,0.160]
1/1 [=====] - 0s 79ms/step
>841, dr[0.454,0.524], df[0.741,0.173], g[1.508,0.147]
1/1 [=====] - 0s 84ms/step
>842, dr[0.735,0.637], df[0.442,0.213], g[1.874,0.218]
1/1 [=====] - 0s 79ms/step
>843, dr[0.679,0.608], df[0.376,0.199], g[1.473,0.233]
1/1 [=====] - 0s 77ms/step
>844, dr[0.497,0.525], df[0.434,0.073], g[1.681,0.149]
1/1 [=====] - 0s 81ms/step
>845, dr[0.473,0.874], df[0.634,0.041], g[1.802,0.134]
1/1 [=====] - 0s 76ms/step
>846, dr[0.487,0.484], df[0.320,0.141], g[2.073,0.185]
1/1 [=====] - 0s 78ms/step
>847, dr[0.675,0.703], df[0.379,0.190], g[1.658,0.182]
1/1 [=====] - 0s 76ms/step
>848, dr[0.486,1.182], df[0.515,0.115], g[1.563,0.195]
1/1 [=====] - 0s 73ms/step
>849, dr[0.668,1.077], df[0.575,0.232], g[1.388,0.173]
1/1 [=====] - 0s 73ms/step
>850, dr[0.436,0.459], df[0.541,0.142], g[1.539,0.192]
1/1 [=====] - 0s 76ms/step
>851, dr[0.541,0.755], df[0.265,0.158], g[1.730,0.172]
1/1 [=====] - 0s 77ms/step
>852, dr[0.525,0.736], df[0.466,0.317], g[1.893,0.153]
1/1 [=====] - 0s 76ms/step
>853, dr[0.899,1.030], df[0.462,0.141], g[1.430,0.212]
1/1 [=====] - 0s 98ms/step
>854, dr[0.620,0.830], df[0.407,0.110], g[1.127,0.222]
1/1 [=====] - 0s 74ms/step
>855, dr[0.344,0.763], df[0.350,0.202], g[1.569,0.285]
1/1 [=====] - 0s 79ms/step
>856, dr[0.392,1.421], df[0.187,0.116], g[1.558,0.262]
1/1 [=====] - 0s 90ms/step
>857, dr[0.537,1.167], df[0.328,0.111], g[1.350,0.248]
1/1 [=====] - 0s 69ms/step
>858, dr[0.491,0.542], df[0.368,0.135], g[1.162,0.233]
1/1 [=====] - 0s 71ms/step
>859, dr[0.436,1.069], df[0.604,0.218], g[1.516,0.260]
1/1 [=====] - 0s 73ms/step
>860, dr[0.450,1.004], df[0.352,0.117], g[1.850,0.280]
1/1 [=====] - 0s 71ms/step
>861, dr[0.500,0.448], df[0.125,0.136], g[1.944,0.214]
1/1 [=====] - 0s 81ms/step
>862, dr[0.465,0.442], df[0.256,0.145], g[1.552,0.273]
1/1 [=====] - 0s 70ms/step
>863, dr[0.466,1.087], df[0.476,0.123], g[1.898,0.239]
1/1 [=====] - 0s 69ms/step
>864, dr[0.402,0.851], df[0.320,0.206], g[2.563,0.231]
1/1 [=====] - 0s 69ms/step
>865, dr[0.297,0.636], df[0.308,0.061], g[2.934,0.215]
1/1 [=====] - 0s 77ms/step
>866, dr[0.360,0.535], df[0.297,0.116], g[2.901,0.231]
1/1 [=====] - 0s 78ms/step
>867, dr[0.391,0.803], df[0.341,0.089], g[3.092,0.271]
1/1 [=====] - 0s 77ms/step
>868, dr[0.677,0.655], df[0.369,0.188], g[2.346,0.230]
1/1 [=====] - 0s 78ms/step
>869, dr[0.458,0.983], df[0.160,0.153], g[2.107,0.177]
1/1 [=====] - 0s 82ms/step
```

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>870, dr[0.328,0.772], df[0.184,0.165], g[2.190,0.204]
1/1 [=====] - 0s 69ms/step
>871, dr[0.202,0.637], df[0.261,0.359], g[2.506,0.129]
1/1 [=====] - 0s 77ms/step
>872, dr[0.283,0.569], df[0.365,0.096], g[2.307,0.293]
1/1 [=====] - 0s 67ms/step
>873, dr[0.408,1.099], df[0.218,0.179], g[1.942,0.226]
1/1 [=====] - 0s 72ms/step
>874, dr[0.230,0.944], df[0.309,0.414], g[2.003,0.226]
1/1 [=====] - 0s 69ms/step
>875, dr[0.530,0.642], df[0.320,0.171], g[2.129,0.269]
1/1 [=====] - 0s 68ms/step
>876, dr[0.353,0.812], df[0.292,0.284], g[1.994,0.196]
1/1 [=====] - 0s 70ms/step
>877, dr[0.162,0.692], df[0.230,0.085], g[2.126,0.146]
1/1 [=====] - 0s 77ms/step
>878, dr[0.333,0.698], df[0.355,0.190], g[2.424,0.110]
1/1 [=====] - 0s 77ms/step
>879, dr[0.298,0.635], df[0.383,0.163], g[2.983,0.198]
1/1 [=====] - 0s 71ms/step
>880, dr[0.269,0.730], df[0.212,0.320], g[2.594,0.294]
1/1 [=====] - 0s 82ms/step
>881, dr[0.675,0.970], df[0.322,0.131], g[2.628,0.142]
1/1 [=====] - 0s 75ms/step
>882, dr[0.369,0.704], df[0.318,0.117], g[2.506,0.196]
1/1 [=====] - 0s 72ms/step
>883, dr[0.118,0.795], df[0.269,0.104], g[2.848,0.175]
1/1 [=====] - 0s 73ms/step
>884, dr[0.187,0.802], df[0.162,0.286], g[3.033,0.145]
1/1 [=====] - 0s 73ms/step
>885, dr[0.357,0.366], df[0.310,0.232], g[3.300,0.122]
1/1 [=====] - 0s 66ms/step
>886, dr[0.336,0.963], df[0.284,0.171], g[3.309,0.152]
1/1 [=====] - 0s 74ms/step
>887, dr[0.563,1.057], df[0.298,0.102], g[2.994,0.114]
1/1 [=====] - 0s 71ms/step
>888, dr[0.171,0.418], df[0.267,0.285], g[2.726,0.210]
1/1 [=====] - 0s 64ms/step
>889, dr[0.416,0.519], df[0.253,0.113], g[2.757,0.185]
1/1 [=====] - 0s 67ms/step
>890, dr[0.162,0.495], df[0.399,0.408], g[2.967,0.099]
1/1 [=====] - 0s 70ms/step
>891, dr[0.364,0.848], df[0.381,0.187], g[2.719,0.130]
1/1 [=====] - 0s 74ms/step
>892, dr[0.373,0.509], df[0.821,0.490], g[2.366,0.183]
1/1 [=====] - 0s 82ms/step
>893, dr[0.213,0.631], df[0.379,0.638], g[3.255,0.307]
1/1 [=====] - 0s 77ms/step
>894, dr[0.512,0.672], df[0.392,0.595], g[3.444,0.304]
1/1 [=====] - 0s 80ms/step
>895, dr[0.516,0.601], df[0.315,0.385], g[3.656,0.260]
1/1 [=====] - 0s 83ms/step
>896, dr[0.257,1.308], df[0.154,0.388], g[3.866,0.303]
1/1 [=====] - 0s 69ms/step
>897, dr[0.165,0.736], df[0.150,0.269], g[3.621,0.311]
1/1 [=====] - 0s 74ms/step
>898, dr[0.098,0.799], df[0.249,0.338], g[3.666,0.168]
1/1 [=====] - 0s 65ms/step
>899, dr[0.169,0.632], df[0.108,0.647], g[3.574,0.148]
1/1 [=====] - 0s 75ms/step
```

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>900, dr[0.223,1.048], df[0.245,0.351], g[3.368,0.203]
1/1 [=====] - 0s 72ms/step
>901, dr[0.101,0.843], df[0.191,0.268], g[3.013,0.167]
1/1 [=====] - 0s 71ms/step
>902, dr[0.138,1.058], df[0.099,0.173], g[2.839,0.138]
1/1 [=====] - 0s 67ms/step
>903, dr[0.136,0.954], df[0.233,0.490], g[2.720,0.247]
1/1 [=====] - 0s 76ms/step
>904, dr[0.067,0.916], df[0.196,0.218], g[2.130,0.129]
1/1 [=====] - 0s 65ms/step
>905, dr[0.097,0.943], df[0.370,0.145], g[1.595,0.120]
1/1 [=====] - 0s 75ms/step
>906, dr[0.108,0.754], df[0.574,0.130], g[1.916,0.107]
1/1 [=====] - 0s 71ms/step
>907, dr[0.373,1.355], df[0.470,0.128], g[1.883,0.072]
1/1 [=====] - 0s 70ms/step
>908, dr[0.322,0.466], df[0.627,0.128], g[2.302,0.200]
1/1 [=====] - 0s 71ms/step
>909, dr[0.586,0.635], df[0.398,0.320], g[2.745,0.072]
1/1 [=====] - 0s 66ms/step
>910, dr[0.932,0.653], df[0.361,0.179], g[2.705,0.123]
1/1 [=====] - 0s 75ms/step
>911, dr[0.460,0.698], df[0.190,0.057], g[2.302,0.103]
1/1 [=====] - 0s 67ms/step
>912, dr[0.629,0.920], df[0.489,0.089], g[2.269,0.105]
1/1 [=====] - 0s 79ms/step
>913, dr[0.405,1.249], df[0.211,0.174], g[2.657,0.043]
1/1 [=====] - 0s 70ms/step
>914, dr[0.476,0.776], df[0.310,0.117], g[1.793,0.130]
1/1 [=====] - 0s 69ms/step
>915, dr[0.649,1.089], df[0.460,0.049], g[1.923,0.080]
1/1 [=====] - 0s 71ms/step
>916, dr[0.264,0.735], df[0.433,0.031], g[2.429,0.064]
1/1 [=====] - 0s 86ms/step
>917, dr[0.300,0.926], df[0.432,0.080], g[2.208,0.038]
1/1 [=====] - 0s 67ms/step
>918, dr[0.347,0.625], df[0.446,0.069], g[2.232,0.032]
1/1 [=====] - 0s 66ms/step
>919, dr[0.593,1.053], df[0.438,0.034], g[2.113,0.030]
1/1 [=====] - 0s 66ms/step
>920, dr[0.401,0.611], df[0.731,0.155], g[1.874,0.085]
1/1 [=====] - 0s 69ms/step
>921, dr[0.844,0.776], df[0.398,0.405], g[1.753,0.061]
1/1 [=====] - 0s 77ms/step
>922, dr[0.408,0.602], df[0.390,0.290], g[1.504,0.058]
1/1 [=====] - 0s 75ms/step
>923, dr[0.681,1.215], df[0.180,0.241], g[1.311,0.053]
1/1 [=====] - 0s 76ms/step
>924, dr[0.192,0.387], df[0.222,0.217], g[1.330,0.054]
1/1 [=====] - 0s 75ms/step
>925, dr[0.198,0.726], df[0.229,0.111], g[0.883,0.073]
1/1 [=====] - 0s 77ms/step
>926, dr[0.211,0.519], df[0.289,0.131], g[1.032,0.181]
1/1 [=====] - 0s 72ms/step
>927, dr[0.246,0.646], df[0.513,0.131], g[1.030,0.067]
1/1 [=====] - 0s 81ms/step
>928, dr[0.180,0.607], df[0.370,0.145], g[1.307,0.062]
1/1 [=====] - 0s 69ms/step
>929, dr[0.282,0.790], df[0.492,0.051], g[1.392,0.070]
1/1 [=====] - 0s 79ms/step
```

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>930, dr[0.763,1.145], df[0.881,0.054], g[1.379,0.098]
1/1 [=====] - 0s 70ms/step
>931, dr[0.348,0.983], df[0.659,0.127], g[1.891,0.047]
1/1 [=====] - 0s 83ms/step
>932, dr[0.480,0.620], df[0.530,0.094], g[2.103,0.076]
1/1 [=====] - 0s 72ms/step
>933, dr[0.546,1.365], df[0.329,0.188], g[1.962,0.098]
1/1 [=====] - 0s 81ms/step
>934, dr[0.931,1.191], df[0.656,0.109], g[2.115,0.117]
1/1 [=====] - 0s 79ms/step
>935, dr[0.737,0.380], df[0.458,0.143], g[2.300,0.167]
1/1 [=====] - 0s 77ms/step
>936, dr[0.398,1.040], df[0.300,0.213], g[2.199,0.124]
1/1 [=====] - 0s 71ms/step
>937, dr[0.453,1.342], df[0.304,0.050], g[2.242,0.158]
4/4 [=====] - 0s 41ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 73ms/step
>938, dr[0.315,0.943], df[0.310,0.099], g[2.095,0.081]
1/1 [=====] - 0s 82ms/step
>939, dr[0.322,0.724], df[0.334,0.033], g[2.042,0.052]
1/1 [=====] - 0s 71ms/step
>940, dr[0.472,0.815], df[0.704,0.092], g[2.505,0.064]
1/1 [=====] - 0s 73ms/step
>941, dr[0.618,1.041], df[0.251,0.043], g[2.578,0.068]
1/1 [=====] - 0s 87ms/step
>942, dr[0.355,0.424], df[0.322,0.064], g[2.195,0.108]
1/1 [=====] - 0s 74ms/step
>943, dr[0.272,0.813], df[0.410,0.112], g[2.506,0.051]
1/1 [=====] - 0s 79ms/step
>944, dr[0.234,1.500], df[0.219,0.055], g[2.296,0.071]
1/1 [=====] - 0s 68ms/step
>945, dr[0.172,0.597], df[0.182,0.073], g[2.234,0.067]
1/1 [=====] - 0s 81ms/step
>946, dr[0.512,0.549], df[0.275,0.124], g[2.077,0.064]
1/1 [=====] - 0s 70ms/step
>947, dr[0.245,0.598], df[0.393,0.141], g[1.893,0.094]
1/1 [=====] - 0s 72ms/step
>948, dr[0.184,1.228], df[0.276,0.145], g[2.346,0.058]
1/1 [=====] - 0s 69ms/step
>949, dr[0.189,0.697], df[0.227,0.040], g[2.078,0.066]
1/1 [=====] - 0s 67ms/step
>950, dr[0.399,0.908], df[0.433,0.246], g[1.909,0.091]
1/1 [=====] - 0s 75ms/step
>951, dr[0.253,0.660], df[0.170,0.099], g[2.002,0.069]
1/1 [=====] - 0s 75ms/step
>952, dr[0.345,1.123], df[0.366,0.061], g[1.735,0.034]
1/1 [=====] - 0s 88ms/step
>953, dr[0.252,0.740], df[0.231,0.031], g[1.484,0.126]
1/1 [=====] - 0s 72ms/step
>954, dr[0.346,1.056], df[0.332,0.059], g[1.513,0.113]
1/1 [=====] - 0s 75ms/step
>955, dr[0.182,0.775], df[0.301,0.096], g[1.622,0.217]
1/1 [=====] - 0s 78ms/step
>956, dr[0.392,0.476], df[0.336,0.052], g[1.619,0.154]
1/1 [=====] - 0s 73ms/step
>957, dr[0.648,0.570], df[0.539,0.064], g[1.760,0.132]
1/1 [=====] - 0s 86ms/step
```

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>958, dr[0.270,0.910], df[0.282,0.045], g[1.649,0.156]
1/1 [=====] - 0s 75ms/step
>959, dr[0.234,0.557], df[0.258,0.090], g[2.279,0.112]
1/1 [=====] - 0s 78ms/step
>960, dr[0.160,0.875], df[0.232,0.113], g[2.838,0.087]
1/1 [=====] - 0s 69ms/step
>961, dr[0.389,0.721], df[0.255,0.035], g[2.153,0.120]
1/1 [=====] - 0s 77ms/step
>962, dr[0.279,0.925], df[0.196,0.036], g[2.184,0.161]
1/1 [=====] - 0s 70ms/step
>963, dr[0.341,0.842], df[0.419,0.092], g[2.185,0.118]
1/1 [=====] - 0s 75ms/step
>964, dr[0.308,0.432], df[0.394,0.052], g[2.065,0.080]
1/1 [=====] - 0s 77ms/step
>965, dr[0.291,0.532], df[0.367,0.110], g[2.381,0.128]
1/1 [=====] - 0s 73ms/step
>966, dr[0.230,0.495], df[0.295,0.164], g[2.373,0.118]
1/1 [=====] - 0s 73ms/step
>967, dr[0.471,1.152], df[0.390,0.049], g[2.457,0.056]
1/1 [=====] - 0s 73ms/step
>968, dr[0.263,0.800], df[0.315,0.144], g[2.247,0.104]
1/1 [=====] - 0s 77ms/step
>969, dr[0.193,0.644], df[0.259,0.092], g[2.628,0.082]
1/1 [=====] - 0s 77ms/step
>970, dr[0.458,0.740], df[0.362,0.047], g[2.052,0.102]
1/1 [=====] - 0s 83ms/step
>971, dr[0.328,0.597], df[0.405,0.105], g[2.042,0.113]
1/1 [=====] - 0s 88ms/step
>972, dr[0.254,0.525], df[0.416,0.088], g[2.088,0.075]
1/1 [=====] - 0s 78ms/step
>973, dr[0.428,0.859], df[0.219,0.063], g[1.907,0.139]
1/1 [=====] - 0s 94ms/step
>974, dr[0.329,0.816], df[0.298,0.137], g[1.701,0.151]
1/1 [=====] - 0s 87ms/step
>975, dr[0.275,0.648], df[0.341,0.045], g[2.022,0.090]
1/1 [=====] - 0s 79ms/step
>976, dr[0.355,0.798], df[0.382,0.061], g[2.249,0.110]
1/1 [=====] - 0s 99ms/step
>977, dr[0.445,0.733], df[0.263,0.177], g[2.372,0.092]
1/1 [=====] - 0s 84ms/step
>978, dr[0.433,0.861], df[0.266,0.052], g[1.861,0.113]
1/1 [=====] - 0s 79ms/step
>979, dr[0.280,0.954], df[0.344,0.053], g[1.680,0.074]
1/1 [=====] - 0s 88ms/step
>980, dr[0.095,0.869], df[0.206,0.237], g[1.970,0.127]
1/1 [=====] - 0s 239ms/step
>981, dr[0.364,0.794], df[0.249,0.078], g[2.187,0.052]
1/1 [=====] - 0s 110ms/step
>982, dr[0.267,0.934], df[0.151,0.040], g[1.894,0.089]
1/1 [=====] - 0s 89ms/step
>983, dr[0.374,0.554], df[0.401,0.056], g[2.187,0.099]
1/1 [=====] - 0s 88ms/step
>984, dr[0.272,0.944], df[0.309,0.082], g[2.206,0.109]
1/1 [=====] - 0s 79ms/step
>985, dr[0.257,0.749], df[0.167,0.170], g[2.289,0.133]
1/1 [=====] - 0s 84ms/step
>986, dr[0.353,1.578], df[0.148,0.147], g[2.007,0.110]
1/1 [=====] - 0s 78ms/step
>987, dr[0.210,0.556], df[0.312,0.074], g[1.910,0.067]
1/1 [=====] - 0s 85ms/step
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>988, dr[0.308,0.504], df[0.166,0.108], g[1.749,0.130]
1/1 [=====] - 0s 79ms/step
>989, dr[0.270,0.895], df[0.427,0.067], g[2.654,0.164]
1/1 [=====] - 0s 78ms/step
>990, dr[0.276,0.878], df[0.232,0.092], g[2.317,0.151]
1/1 [=====] - 0s 82ms/step
>991, dr[0.305,1.055], df[0.382,0.055], g[2.394,0.118]
1/1 [=====] - 0s 81ms/step
>992, dr[0.234,0.820], df[0.303,0.166], g[2.631,0.122]
1/1 [=====] - 0s 76ms/step
>993, dr[0.556,0.847], df[0.389,0.061], g[2.605,0.103]
1/1 [=====] - 0s 126ms/step
>994, dr[0.179,0.607], df[0.353,0.146], g[2.897,0.180]
1/1 [=====] - 0s 75ms/step
>995, dr[0.259,0.744], df[0.362,0.115], g[2.858,0.106]
1/1 [=====] - 0s 79ms/step
>996, dr[0.449,0.561], df[0.206,0.116], g[2.667,0.081]
1/1 [=====] - 0s 96ms/step
>997, dr[0.280,0.539], df[0.295,0.104], g[2.440,0.079]
1/1 [=====] - 0s 83ms/step
>998, dr[0.294,0.711], df[0.430,0.074], g[2.026,0.101]
1/1 [=====] - 0s 76ms/step
>999, dr[0.230,0.588], df[0.284,0.106], g[2.501,0.156]
1/1 [=====] - 0s 74ms/step
>1000, dr[0.323,0.786], df[0.217,0.179], g[2.397,0.138]
1/1 [=====] - 0s 74ms/step
>1001, dr[0.340,1.026], df[0.230,0.176], g[1.755,0.089]
1/1 [=====] - 0s 74ms/step
>1002, dr[0.092,0.883], df[0.395,0.156], g[1.961,0.106]
1/1 [=====] - 0s 76ms/step
>1003, dr[0.223,1.016], df[0.345,0.211], g[1.782,0.101]
1/1 [=====] - 0s 72ms/step
>1004, dr[0.067,1.134], df[0.284,0.192], g[2.625,0.088]
1/1 [=====] - 0s 79ms/step
>1005, dr[0.319,0.879], df[0.137,0.106], g[2.374,0.139]
1/1 [=====] - 0s 79ms/step
>1006, dr[0.414,0.431], df[0.149,0.049], g[1.783,0.050]
1/1 [=====] - 0s 74ms/step
>1007, dr[0.147,0.650], df[0.420,0.111], g[1.959,0.082]
1/1 [=====] - 0s 72ms/step
>1008, dr[0.281,0.815], df[0.204,0.094], g[2.680,0.176]
1/1 [=====] - 0s 79ms/step
>1009, dr[0.388,0.605], df[0.291,0.055], g[2.474,0.102]
1/1 [=====] - 0s 120ms/step
>1010, dr[0.097,0.508], df[0.207,0.177], g[2.989,0.131]
1/1 [=====] - 0s 110ms/step
>1011, dr[0.245,0.743], df[0.126,0.156], g[3.020,0.282]
1/1 [=====] - 0s 73ms/step
>1012, dr[0.258,0.624], df[0.270,0.096], g[3.149,0.123]
1/1 [=====] - 0s 69ms/step
>1013, dr[0.229,0.838], df[0.309,0.184], g[3.161,0.089]
1/1 [=====] - 0s 69ms/step
>1014, dr[0.279,0.701], df[0.183,0.091], g[3.412,0.160]
1/1 [=====] - 0s 70ms/step
>1015, dr[0.220,0.411], df[0.119,0.159], g[2.741,0.142]
1/1 [=====] - 0s 69ms/step
>1016, dr[0.143,0.569], df[0.175,0.077], g[3.065,0.118]
1/1 [=====] - 0s 75ms/step
>1017, dr[0.148,1.149], df[0.246,0.071], g[3.089,0.051]
1/1 [=====] - 0s 68ms/step
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>1018, dr[0.228,0.875], df[0.152,0.162], g[3.055,0.090]
1/1 [=====] - 0s 80ms/step
>1019, dr[0.375,1.357], df[0.177,0.105], g[3.080,0.093]
1/1 [=====] - 0s 67ms/step
>1020, dr[0.120,1.325], df[0.284,0.176], g[3.216,0.081]
1/1 [=====] - 0s 73ms/step
>1021, dr[0.264,0.113], df[0.257,0.089], g[2.999,0.127]
1/1 [=====] - 0s 68ms/step
>1022, dr[0.215,0.860], df[0.142,0.061], g[3.037,0.089]
1/1 [=====] - 0s 74ms/step
>1023, dr[0.110,1.078], df[0.153,0.139], g[2.944,0.072]
1/1 [=====] - 0s 72ms/step
>1024, dr[0.239,0.715], df[0.124,0.191], g[3.042,0.074]
1/1 [=====] - 0s 76ms/step
>1025, dr[0.133,0.610], df[0.167,0.073], g[2.643,0.157]
1/1 [=====] - 0s 67ms/step
>1026, dr[0.217,0.880], df[0.085,0.055], g[2.318,0.091]
1/1 [=====] - 0s 70ms/step
>1027, dr[0.169,0.911], df[0.221,0.080], g[2.716,0.113]
1/1 [=====] - 0s 67ms/step
>1028, dr[0.066,0.601], df[0.084,0.049], g[2.519,0.088]
1/1 [=====] - 0s 71ms/step
>1029, dr[0.385,0.391], df[0.177,0.114], g[1.932,0.170]
1/1 [=====] - 0s 71ms/step
>1030, dr[0.098,0.980], df[0.172,0.089], g[2.468,0.210]
1/1 [=====] - 0s 76ms/step
>1031, dr[0.080,0.477], df[0.146,0.142], g[2.061,0.103]
1/1 [=====] - 0s 73ms/step
>1032, dr[0.179,1.444], df[0.079,0.129], g[2.395,0.135]
1/1 [=====] - 0s 72ms/step
>1033, dr[0.134,0.922], df[0.245,0.192], g[1.728,0.121]
1/1 [=====] - 0s 80ms/step
>1034, dr[0.093,1.072], df[0.093,0.129], g[2.097,0.131]
1/1 [=====] - 0s 72ms/step
>1035, dr[0.106,0.708], df[0.112,0.121], g[1.855,0.133]
1/1 [=====] - 0s 83ms/step
>1036, dr[0.262,0.865], df[0.081,0.330], g[1.383,0.094]
1/1 [=====] - 0s 85ms/step
>1037, dr[0.109,0.519], df[0.063,0.107], g[0.971,0.138]
1/1 [=====] - 0s 83ms/step
>1038, dr[0.159,1.637], df[0.111,0.196], g[0.900,0.104]
1/1 [=====] - 0s 69ms/step
>1039, dr[0.095,0.932], df[0.069,0.138], g[0.541,0.133]
1/1 [=====] - 0s 69ms/step
>1040, dr[0.086,0.683], df[0.067,0.161], g[0.424,0.182]
1/1 [=====] - 0s 69ms/step
>1041, dr[0.090,0.559], df[0.160,0.077], g[0.407,0.183]
1/1 [=====] - 0s 68ms/step
>1042, dr[0.144,0.432], df[0.141,0.140], g[0.360,0.139]
1/1 [=====] - 0s 72ms/step
>1043, dr[0.085,0.411], df[0.195,0.275], g[0.250,0.141]
1/1 [=====] - 0s 67ms/step
>1044, dr[0.098,0.611], df[0.157,0.069], g[0.351,0.225]
1/1 [=====] - 0s 76ms/step
>1045, dr[0.208,1.111], df[0.171,0.095], g[0.336,0.196]
1/1 [=====] - 0s 81ms/step
>1046, dr[0.122,1.724], df[0.175,0.106], g[0.352,0.159]
1/1 [=====] - 0s 79ms/step
>1047, dr[0.174,0.710], df[0.259,0.184], g[0.392,0.107]
1/1 [=====] - 0s 78ms/step
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>1048, dr[0.172,0.324], df[0.134,0.080], g[0.440,0.130]
1/1 [=====] - 0s 82ms/step
>1049, dr[0.341,0.772], df[0.196,0.060], g[0.395,0.084]
1/1 [=====] - 0s 74ms/step
>1050, dr[0.314,0.783], df[0.266,0.066], g[0.315,0.176]
1/1 [=====] - 0s 78ms/step
>1051, dr[0.547,1.108], df[0.388,0.051], g[0.369,0.101]
1/1 [=====] - 0s 79ms/step
>1052, dr[0.177,0.909], df[0.349,0.072], g[0.352,0.310]
1/1 [=====] - 0s 86ms/step
>1053, dr[0.159,0.812], df[0.271,0.111], g[0.675,0.101]
1/1 [=====] - 0s 150ms/step
>1054, dr[0.490,0.798], df[0.235,0.055], g[0.764,0.086]
1/1 [=====] - 0s 96ms/step
>1055, dr[0.496,0.610], df[0.486,0.077], g[0.746,0.182]
1/1 [=====] - 0s 76ms/step
>1056, dr[0.321,0.689], df[0.200,0.081], g[1.117,0.232]
1/1 [=====] - 0s 85ms/step
>1057, dr[0.365,0.471], df[0.203,0.063], g[0.874,0.156]
1/1 [=====] - 0s 69ms/step
>1058, dr[0.333,0.522], df[0.104,0.110], g[1.108,0.113]
1/1 [=====] - 0s 78ms/step
>1059, dr[0.330,0.559], df[0.262,0.070], g[1.093,0.130]
1/1 [=====] - 0s 88ms/step
>1060, dr[0.255,1.053], df[0.104,0.148], g[1.382,0.141]
1/1 [=====] - 0s 80ms/step
>1061, dr[0.491,0.385], df[0.325,0.119], g[1.081,0.110]
1/1 [=====] - 0s 82ms/step
>1062, dr[0.391,0.916], df[0.203,0.198], g[0.951,0.224]
1/1 [=====] - 0s 79ms/step
>1063, dr[0.067,1.036], df[0.205,0.104], g[1.128,0.185]
1/1 [=====] - 0s 74ms/step
>1064, dr[0.175,1.071], df[0.064,0.053], g[1.022,0.133]
1/1 [=====] - 0s 71ms/step
>1065, dr[0.218,0.520], df[0.240,0.108], g[0.930,0.194]
1/1 [=====] - 0s 78ms/step
>1066, dr[0.177,0.580], df[0.239,0.054], g[1.412,0.116]
1/1 [=====] - 0s 78ms/step
>1067, dr[0.247,0.490], df[0.112,0.053], g[1.228,0.180]
1/1 [=====] - 0s 72ms/step
>1068, dr[0.191,0.709], df[0.261,0.114], g[1.190,0.279]
1/1 [=====] - 0s 78ms/step
>1069, dr[0.479,0.836], df[0.187,0.080], g[1.341,0.135]
1/1 [=====] - 0s 68ms/step
>1070, dr[0.144,0.565], df[0.105,0.077], g[1.408,0.239]
1/1 [=====] - 0s 86ms/step
>1071, dr[0.173,0.673], df[0.120,0.033], g[1.340,0.328]
1/1 [=====] - 0s 69ms/step
>1072, dr[0.359,0.746], df[0.139,0.046], g[1.520,0.270]
1/1 [=====] - 0s 85ms/step
>1073, dr[0.097,0.634], df[0.098,0.140], g[1.427,0.199]
1/1 [=====] - 0s 79ms/step
>1074, dr[0.274,0.437], df[0.198,0.057], g[1.612,0.175]
1/1 [=====] - 0s 68ms/step
>1075, dr[0.285,0.485], df[0.341,0.064], g[1.858,0.137]
1/1 [=====] - 0s 78ms/step
>1076, dr[0.291,0.852], df[0.256,0.072], g[1.946,0.205]
1/1 [=====] - 0s 70ms/step
>1077, dr[0.443,0.749], df[0.187,0.028], g[2.680,0.175]
1/1 [=====] - 0s 76ms/step
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>1078, dr[0.154,0.719], df[0.132,0.077], g[2.591,0.284]
1/1 [=====] - 0s 81ms/step
>1079, dr[0.201,0.634], df[0.081,0.065], g[2.433,0.162]
1/1 [=====] - 0s 132ms/step
>1080, dr[0.256,0.861], df[0.207,0.123], g[1.994,0.217]
1/1 [=====] - 0s 78ms/step
>1081, dr[0.097,0.590], df[0.205,0.055], g[2.810,0.151]
1/1 [=====] - 0s 82ms/step
>1082, dr[0.294,0.688], df[0.345,0.168], g[3.388,0.149]
1/1 [=====] - 0s 82ms/step
>1083, dr[0.211,0.290], df[0.163,0.084], g[3.642,0.230]
1/1 [=====] - 0s 84ms/step
>1084, dr[0.374,0.705], df[0.240,0.100], g[3.110,0.222]
1/1 [=====] - 0s 78ms/step
>1085, dr[0.193,0.574], df[0.261,0.074], g[2.859,0.105]
1/1 [=====] - 0s 68ms/step
>1086, dr[0.315,0.603], df[0.201,0.085], g[2.978,0.210]
1/1 [=====] - 0s 72ms/step
>1087, dr[0.203,0.421], df[0.275,0.072], g[2.857,0.150]
1/1 [=====] - 0s 74ms/step
>1088, dr[0.160,0.928], df[0.213,0.174], g[2.772,0.171]
1/1 [=====] - 0s 76ms/step
>1089, dr[0.281,1.011], df[0.297,0.144], g[3.084,0.110]
1/1 [=====] - 0s 89ms/step
>1090, dr[0.344,0.821], df[0.258,0.270], g[2.572,0.232]
1/1 [=====] - 0s 78ms/step
>1091, dr[0.275,0.734], df[0.205,0.075], g[2.737,0.128]
1/1 [=====] - 0s 83ms/step
>1092, dr[0.380,0.802], df[0.174,0.095], g[1.671,0.193]
1/1 [=====] - 0s 80ms/step
>1093, dr[0.372,0.609], df[0.296,0.132], g[1.513,0.128]
1/1 [=====] - 0s 75ms/step
>1094, dr[0.075,1.011], df[0.390,0.097], g[2.350,0.102]
1/1 [=====] - 0s 72ms/step
>1095, dr[0.229,0.471], df[0.311,0.047], g[3.041,0.204]
1/1 [=====] - 0s 69ms/step
>1096, dr[0.274,1.007], df[0.114,0.092], g[2.974,0.291]
1/1 [=====] - 0s 79ms/step
>1097, dr[0.338,1.375], df[0.249,0.037], g[2.539,0.130]
1/1 [=====] - 0s 68ms/step
>1098, dr[0.204,0.619], df[0.282,0.083], g[3.095,0.140]
1/1 [=====] - 0s 74ms/step
>1099, dr[0.279,0.719], df[0.086,0.121], g[3.173,0.044]
1/1 [=====] - 0s 68ms/step
>1100, dr[0.269,1.121], df[0.334,0.142], g[3.247,0.110]
1/1 [=====] - 0s 80ms/step
>1101, dr[0.153,0.882], df[0.112,0.084], g[2.503,0.137]
1/1 [=====] - 0s 69ms/step
>1102, dr[0.167,0.714], df[0.543,0.110], g[2.282,0.087]
1/1 [=====] - 0s 72ms/step
>1103, dr[0.467,0.449], df[0.492,0.132], g[2.512,0.209]
1/1 [=====] - 0s 70ms/step
>1104, dr[0.363,0.723], df[0.544,0.175], g[2.639,0.111]
1/1 [=====] - 0s 74ms/step
>1105, dr[0.649,1.015], df[0.366,0.159], g[2.595,0.180]
1/1 [=====] - 0s 70ms/step
>1106, dr[0.384,0.744], df[0.616,0.308], g[2.922,0.227]
1/1 [=====] - 0s 72ms/step
>1107, dr[0.212,0.745], df[0.149,0.139], g[2.963,0.242]
1/1 [=====] - 0s 69ms/step
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>1108, dr[0.141,0.599], df[0.131,0.251], g[3.288,0.214]
1/1 [=====] - 0s 69ms/step
>1109, dr[0.114,1.060], df[0.138,0.218], g[3.357,0.183]
1/1 [=====] - 0s 67ms/step
>1110, dr[0.096,0.939], df[0.065,0.154], g[3.187,0.198]
1/1 [=====] - 0s 73ms/step
>1111, dr[0.177,0.532], df[0.158,0.196], g[3.209,0.242]
1/1 [=====] - 0s 68ms/step
>1112, dr[0.269,0.929], df[0.216,0.114], g[3.265,0.119]
1/1 [=====] - 0s 71ms/step
>1113, dr[0.062,0.772], df[0.149,0.191], g[3.339,0.147]
1/1 [=====] - 0s 72ms/step
>1114, dr[0.050,0.866], df[0.212,0.158], g[3.164,0.089]
1/1 [=====] - 0s 74ms/step
>1115, dr[0.179,0.901], df[0.166,0.102], g[3.322,0.041]
1/1 [=====] - 0s 76ms/step
>1116, dr[0.147,0.564], df[0.128,0.106], g[2.557,0.096]
1/1 [=====] - 0s 70ms/step
>1117, dr[0.095,0.640], df[0.293,0.216], g[2.385,0.070]
1/1 [=====] - 0s 72ms/step
>1118, dr[0.102,0.659], df[0.093,0.032], g[2.357,0.052]
1/1 [=====] - 0s 76ms/step
>1119, dr[0.201,0.970], df[0.264,0.061], g[1.980,0.033]
1/1 [=====] - 0s 73ms/step
>1120, dr[0.153,0.552], df[0.419,0.094], g[1.995,0.081]
1/1 [=====] - 0s 72ms/step
>1121, dr[0.252,1.300], df[0.685,0.077], g[3.094,0.063]
1/1 [=====] - 0s 72ms/step
>1122, dr[0.459,0.695], df[0.356,0.071], g[2.988,0.102]
1/1 [=====] - 0s 75ms/step
>1123, dr[0.533,0.918], df[0.329,0.074], g[2.554,0.082]
1/1 [=====] - 0s 83ms/step
>1124, dr[0.595,1.207], df[0.588,0.039], g[2.896,0.102]
1/1 [=====] - 0s 72ms/step
>1125, dr[0.458,0.816], df[0.322,0.142], g[2.359,0.152]
1/1 [=====] - 0s 68ms/step
>1126, dr[0.655,0.648], df[0.496,0.233], g[2.251,0.081]
1/1 [=====] - 0s 73ms/step
>1127, dr[0.663,0.485], df[0.635,0.104], g[2.797,0.107]
1/1 [=====] - 0s 69ms/step
>1128, dr[0.335,0.743], df[0.329,0.087], g[2.222,0.055]
1/1 [=====] - 0s 76ms/step
>1129, dr[0.259,0.775], df[0.120,0.111], g[2.259,0.057]
1/1 [=====] - 0s 67ms/step
>1130, dr[0.356,0.586], df[0.287,0.120], g[2.505,0.070]
1/1 [=====] - 0s 68ms/step
>1131, dr[0.352,0.525], df[0.495,0.135], g[2.038,0.072]
1/1 [=====] - 0s 66ms/step
>1132, dr[0.394,0.675], df[0.287,0.077], g[2.940,0.120]
1/1 [=====] - 0s 71ms/step
>1133, dr[0.351,0.966], df[0.160,0.109], g[1.933,0.073]
1/1 [=====] - 0s 67ms/step
>1134, dr[0.360,0.447], df[0.274,0.087], g[1.850,0.057]
1/1 [=====] - 0s 74ms/step
>1135, dr[0.286,0.338], df[0.508,0.098], g[2.107,0.125]
1/1 [=====] - 0s 72ms/step
>1136, dr[0.252,0.554], df[0.299,0.124], g[2.089,0.094]
1/1 [=====] - 0s 73ms/step
>1137, dr[0.166,0.825], df[0.135,0.020], g[2.307,0.119]
1/1 [=====] - 0s 70ms/step
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>1138, dr[0.248,0.687], df[0.219,0.050], g[2.082,0.081]
1/1 [=====] - 0s 74ms/step
>1139, dr[0.494,0.961], df[0.450,0.126], g[1.423,0.104]
1/1 [=====] - 0s 69ms/step
>1140, dr[0.399,0.308], df[0.379,0.040], g[1.990,0.096]
1/1 [=====] - 0s 82ms/step
>1141, dr[0.217,0.773], df[0.250,0.085], g[2.589,0.079]
1/1 [=====] - 0s 90ms/step
>1142, dr[0.297,0.834], df[0.307,0.132], g[2.204,0.090]
1/1 [=====] - 0s 76ms/step
>1143, dr[0.221,0.837], df[0.383,0.223], g[1.860,0.108]
1/1 [=====] - 0s 76ms/step
>1144, dr[0.262,0.661], df[0.273,0.056], g[1.912,0.180]
1/1 [=====] - 0s 69ms/step
>1145, dr[0.364,0.860], df[0.485,0.259], g[2.100,0.138]
1/1 [=====] - 0s 76ms/step
>1146, dr[0.442,1.165], df[0.253,0.131], g[2.119,0.105]
1/1 [=====] - 0s 68ms/step
>1147, dr[0.324,0.558], df[0.285,0.122], g[2.330,0.067]
1/1 [=====] - 0s 75ms/step
>1148, dr[0.245,0.609], df[0.259,0.058], g[1.725,0.175]
1/1 [=====] - 0s 80ms/step
>1149, dr[0.266,0.889], df[0.374,0.159], g[2.081,0.146]
1/1 [=====] - 0s 75ms/step
>1150, dr[0.199,0.481], df[0.273,0.055], g[2.175,0.176]
1/1 [=====] - 0s 92ms/step
>1151, dr[0.344,1.433], df[0.267,0.054], g[2.015,0.087]
1/1 [=====] - 0s 80ms/step
>1152, dr[0.408,0.580], df[0.435,0.106], g[2.322,0.135]
1/1 [=====] - 0s 75ms/step
>1153, dr[0.159,0.573], df[0.230,0.059], g[2.806,0.120]
1/1 [=====] - 0s 69ms/step
>1154, dr[0.529,1.050], df[0.341,0.257], g[1.969,0.122]
1/1 [=====] - 0s 78ms/step
>1155, dr[0.267,0.486], df[0.306,0.119], g[2.151,0.073]
1/1 [=====] - 0s 69ms/step
>1156, dr[0.410,0.708], df[0.225,0.032], g[2.080,0.123]
1/1 [=====] - 0s 70ms/step
>1157, dr[0.358,0.937], df[0.266,0.079], g[1.751,0.080]
1/1 [=====] - 0s 71ms/step
>1158, dr[0.180,0.641], df[0.364,0.038], g[2.221,0.117]
1/1 [=====] - 0s 76ms/step
>1159, dr[0.166,1.348], df[0.128,0.186], g[2.266,0.100]
1/1 [=====] - 0s 108ms/step
>1160, dr[0.494,1.171], df[0.281,0.052], g[2.359,0.127]
1/1 [=====] - 0s 74ms/step
>1161, dr[0.257,0.646], df[0.256,0.069], g[2.273,0.110]
1/1 [=====] - 0s 81ms/step
>1162, dr[0.184,0.651], df[0.218,0.135], g[1.868,0.127]
1/1 [=====] - 0s 92ms/step
>1163, dr[0.526,0.496], df[0.474,0.101], g[1.844,0.175]
1/1 [=====] - 0s 89ms/step
>1164, dr[0.234,0.490], df[0.465,0.110], g[2.294,0.125]
1/1 [=====] - 0s 81ms/step
>1165, dr[0.329,0.795], df[0.258,0.094], g[1.939,0.118]
1/1 [=====] - 0s 93ms/step
>1166, dr[0.504,0.812], df[0.517,0.159], g[2.400,0.267]
1/1 [=====] - 0s 78ms/step
>1167, dr[0.367,0.442], df[0.383,0.054], g[2.160,0.106]
1/1 [=====] - 0s 79ms/step
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>1168, dr[0.284,0.486], df[0.234,0.093], g[2.285,0.126]
1/1 [=====] - 0s 126ms/step
>1169, dr[0.500,0.724], df[0.437,0.134], g[2.001,0.124]
1/1 [=====] - 0s 111ms/step
>1170, dr[0.567,1.013], df[0.478,0.147], g[2.016,0.216]
1/1 [=====] - 0s 102ms/step
>1171, dr[0.317,0.808], df[0.433,0.064], g[2.220,0.140]
1/1 [=====] - 0s 90ms/step
>1172, dr[0.272,0.515], df[0.187,0.108], g[1.833,0.098]
1/1 [=====] - 0s 74ms/step
>1173, dr[0.309,0.591], df[0.459,0.149], g[2.463,0.172]
1/1 [=====] - 0s 78ms/step
>1174, dr[0.871,0.695], df[0.275,0.048], g[1.976,0.076]
1/1 [=====] - 0s 84ms/step
>1175, dr[0.361,0.889], df[0.689,0.047], g[1.851,0.080]
1/1 [=====] - 0s 73ms/step
>1176, dr[0.236,0.706], df[0.342,0.162], g[2.184,0.162]
1/1 [=====] - 0s 96ms/step
>1177, dr[0.670,0.787], df[0.492,0.276], g[2.086,0.071]
1/1 [=====] - 0s 101ms/step
>1178, dr[0.515,0.724], df[0.276,0.186], g[2.054,0.112]
1/1 [=====] - 0s 105ms/step
>1179, dr[0.524,0.987], df[0.327,0.184], g[1.590,0.117]
1/1 [=====] - 0s 99ms/step
>1180, dr[0.209,0.437], df[0.444,0.031], g[1.830,0.055]
1/1 [=====] - 0s 100ms/step
>1181, dr[0.210,0.336], df[0.547,0.126], g[2.346,0.084]
1/1 [=====] - 0s 91ms/step
>1182, dr[0.350,0.626], df[0.194,0.090], g[2.329,0.094]
1/1 [=====] - 0s 78ms/step
>1183, dr[0.516,0.616], df[0.282,0.079], g[2.097,0.094]
1/1 [=====] - 0s 80ms/step
>1184, dr[0.246,0.756], df[0.414,0.035], g[2.092,0.146]
1/1 [=====] - 0s 71ms/step
>1185, dr[0.273,1.250], df[0.285,0.109], g[2.166,0.136]
1/1 [=====] - 0s 74ms/step
>1186, dr[0.348,0.540], df[0.595,0.203], g[2.432,0.189]
1/1 [=====] - 0s 79ms/step
>1187, dr[0.717,1.110], df[0.203,0.281], g[2.130,0.080]
1/1 [=====] - 0s 71ms/step
>1188, dr[0.506,0.746], df[0.500,0.059], g[2.126,0.115]
1/1 [=====] - 0s 73ms/step
>1189, dr[0.479,0.953], df[0.277,0.149], g[2.172,0.121]
1/1 [=====] - 0s 76ms/step
>1190, dr[0.367,1.406], df[0.457,0.074], g[2.077,0.082]
1/1 [=====] - 0s 78ms/step
>1191, dr[0.517,0.771], df[0.401,0.194], g[1.850,0.084]
1/1 [=====] - 0s 94ms/step
>1192, dr[0.459,0.436], df[0.331,0.125], g[1.979,0.150]
1/1 [=====] - 0s 84ms/step
>1193, dr[0.253,0.698], df[0.320,0.114], g[2.116,0.146]
1/1 [=====] - 0s 108ms/step
>1194, dr[0.471,0.850], df[0.694,0.044], g[2.398,0.166]
1/1 [=====] - 0s 111ms/step
>1195, dr[0.240,0.924], df[0.190,0.076], g[2.279,0.099]
1/1 [=====] - 0s 74ms/step
>1196, dr[0.699,0.729], df[0.344,0.108], g[1.898,0.066]
1/1 [=====] - 0s 83ms/step
>1197, dr[0.245,0.574], df[0.590,0.127], g[2.188,0.087]
1/1 [=====] - 0s 73ms/step
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>1198, dr[0.201,0.915], df[0.421,0.081], g[2.805,0.144]
1/1 [=====] - 0s 79ms/step
>1199, dr[0.378,0.804], df[0.262,0.071], g[1.981,0.115]
1/1 [=====] - 0s 110ms/step
>1200, dr[0.429,1.281], df[0.222,0.082], g[2.488,0.185]
1/1 [=====] - 0s 83ms/step
>1201, dr[0.547,0.975], df[0.248,0.131], g[2.545,0.119]
1/1 [=====] - 0s 79ms/step
>1202, dr[0.239,0.402], df[0.208,0.027], g[1.657,0.115]
1/1 [=====] - 0s 97ms/step
>1203, dr[0.417,0.335], df[0.359,0.089], g[2.380,0.132]
1/1 [=====] - 0s 96ms/step
>1204, dr[0.595,0.699], df[0.391,0.184], g[2.203,0.187]
1/1 [=====] - 0s 89ms/step
>1205, dr[0.448,0.479], df[0.419,0.116], g[1.689,0.155]
1/1 [=====] - 0s 83ms/step
>1206, dr[0.236,0.812], df[0.461,0.204], g[2.257,0.101]
1/1 [=====] - 0s 67ms/step
>1207, dr[0.395,0.336], df[0.422,0.118], g[2.343,0.073]
1/1 [=====] - 0s 79ms/step
>1208, dr[0.500,0.440], df[0.572,0.042], g[2.182,0.087]
1/1 [=====] - 0s 69ms/step
>1209, dr[0.248,0.545], df[0.314,0.047], g[2.335,0.135]
1/1 [=====] - 0s 79ms/step
>1210, dr[0.378,0.987], df[0.236,0.143], g[1.947,0.179]
1/1 [=====] - 0s 67ms/step
>1211, dr[0.189,0.810], df[0.349,0.068], g[2.359,0.055]
1/1 [=====] - 0s 72ms/step
>1212, dr[0.399,0.876], df[0.435,0.089], g[2.464,0.117]
1/1 [=====] - 0s 68ms/step
>1213, dr[0.445,0.800], df[0.307,0.085], g[1.772,0.091]
1/1 [=====] - 0s 76ms/step
>1214, dr[0.306,0.653], df[0.343,0.042], g[2.125,0.110]
1/1 [=====] - 0s 76ms/step
>1215, dr[0.297,0.835], df[0.379,0.139], g[2.488,0.114]
1/1 [=====] - 0s 80ms/step
>1216, dr[0.337,0.939], df[0.505,0.157], g[2.800,0.110]
1/1 [=====] - 0s 124ms/step
>1217, dr[0.669,0.312], df[0.250,0.130], g[2.508,0.138]
1/1 [=====] - 0s 95ms/step
>1218, dr[0.251,0.877], df[0.172,0.113], g[2.654,0.130]
1/1 [=====] - 0s 87ms/step
>1219, dr[0.482,0.377], df[0.273,0.076], g[1.762,0.104]
1/1 [=====] - 0s 90ms/step
>1220, dr[0.280,0.751], df[0.369,0.197], g[2.186,0.114]
1/1 [=====] - 0s 78ms/step
>1221, dr[0.272,0.699], df[0.424,0.069], g[2.814,0.110]
1/1 [=====] - 0s 69ms/step
>1222, dr[0.458,0.965], df[0.236,0.028], g[2.465,0.099]
1/1 [=====] - 0s 77ms/step
>1223, dr[0.710,0.638], df[0.349,0.098], g[1.877,0.110]
1/1 [=====] - 0s 66ms/step
>1224, dr[0.171,0.689], df[0.127,0.085], g[2.340,0.120]
1/1 [=====] - 0s 112ms/step
>1225, dr[0.369,0.582], df[0.580,0.097], g[2.336,0.093]
1/1 [=====] - 0s 138ms/step
>1226, dr[0.252,0.609], df[0.300,0.077], g[2.591,0.123]
1/1 [=====] - 0s 116ms/step
>1227, dr[0.465,0.396], df[0.619,0.097], g[2.251,0.078]
1/1 [=====] - 0s 159ms/step
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>1228, dr[0.459,0.510], df[0.372,0.125], g[2.135,0.056]
1/1 [=====] - 0s 94ms/step
>1229, dr[0.357,0.745], df[0.434,0.120], g[2.608,0.090]
1/1 [=====] - 0s 97ms/step
>1230, dr[0.334,0.269], df[0.510,0.286], g[2.479,0.115]
1/1 [=====] - 0s 82ms/step
>1231, dr[0.227,0.552], df[0.181,0.050], g[2.462,0.115]
1/1 [=====] - 0s 76ms/step
>1232, dr[0.267,0.282], df[0.341,0.143], g[2.631,0.089]
1/1 [=====] - 0s 84ms/step
>1233, dr[0.458,0.623], df[0.598,0.059], g[2.449,0.085]
1/1 [=====] - 0s 79ms/step
>1234, dr[0.196,0.636], df[0.336,0.130], g[3.163,0.116]
1/1 [=====] - 0s 78ms/step
>1235, dr[0.629,1.047], df[0.212,0.055], g[2.915,0.062]
1/1 [=====] - 0s 101ms/step
>1236, dr[0.321,1.121], df[0.266,0.169], g[2.305,0.088]
1/1 [=====] - 0s 80ms/step
>1237, dr[0.229,0.418], df[0.199,0.054], g[2.273,0.081]
1/1 [=====] - 0s 80ms/step
>1238, dr[0.185,0.615], df[0.370,0.083], g[2.523,0.084]
1/1 [=====] - 0s 95ms/step
>1239, dr[0.354,0.697], df[0.220,0.079], g[2.560,0.066]
1/1 [=====] - 0s 96ms/step
>1240, dr[0.324,0.574], df[0.347,0.029], g[2.413,0.080]
1/1 [=====] - 0s 87ms/step
>1241, dr[0.330,0.502], df[0.383,0.140], g[2.137,0.055]
1/1 [=====] - 0s 92ms/step
>1242, dr[0.142,0.539], df[0.208,0.123], g[2.547,0.080]
1/1 [=====] - 0s 75ms/step
>1243, dr[0.412,0.669], df[0.218,0.056], g[1.829,0.060]
1/1 [=====] - 0s 76ms/step
>1244, dr[0.279,1.121], df[0.200,0.180], g[2.135,0.044]
1/1 [=====] - 0s 67ms/step
>1245, dr[0.236,0.750], df[0.128,0.070], g[1.480,0.060]
1/1 [=====] - 0s 68ms/step
>1246, dr[0.156,0.796], df[0.169,0.149], g[1.392,0.161]
1/1 [=====] - 0s 90ms/step
>1247, dr[0.124,0.682], df[0.273,0.062], g[1.395,0.067]
1/1 [=====] - 0s 90ms/step
>1248, dr[0.317,0.734], df[0.454,0.149], g[1.399,0.140]
1/1 [=====] - 0s 148ms/step
>1249, dr[0.323,0.754], df[0.321,0.222], g[1.272,0.090]
1/1 [=====] - 0s 89ms/step
>1250, dr[0.348,0.676], df[0.227,0.059], g[1.557,0.079]
1/1 [=====] - 0s 93ms/step
>1251, dr[0.609,0.562], df[0.426,0.045], g[1.753,0.141]
1/1 [=====] - 0s 88ms/step
>1252, dr[0.261,1.040], df[0.253,0.100], g[1.628,0.156]
1/1 [=====] - 0s 164ms/step
>1253, dr[0.497,1.576], df[0.500,0.073], g[1.787,0.173]
1/1 [=====] - 0s 89ms/step
>1254, dr[0.206,0.547], df[0.630,0.093], g[2.786,0.105]
1/1 [=====] - 0s 75ms/step
>1255, dr[0.905,0.810], df[0.147,0.081], g[1.854,0.095]
1/1 [=====] - 0s 78ms/step
>1256, dr[0.643,0.654], df[0.412,0.196], g[2.007,0.120]
1/1 [=====] - 0s 73ms/step
>1257, dr[0.209,0.622], df[0.269,0.045], g[2.097,0.188]
1/1 [=====] - 0s 73ms/step
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>1258, dr[0.446,0.680], df[0.285,0.121], g[2.029,0.105]
1/1 [=====] - 0s 75ms/step
>1259, dr[0.298,0.622], df[0.445,0.065], g[1.727,0.091]
1/1 [=====] - 0s 78ms/step
>1260, dr[0.247,1.326], df[0.378,0.089], g[2.334,0.131]
1/1 [=====] - 0s 77ms/step
>1261, dr[0.282,0.622], df[0.271,0.085], g[2.466,0.073]
1/1 [=====] - 0s 77ms/step
>1262, dr[0.178,0.839], df[0.245,0.148], g[2.876,0.054]
1/1 [=====] - 0s 80ms/step
>1263, dr[0.418,1.043], df[0.257,0.087], g[1.976,0.106]
1/1 [=====] - 0s 75ms/step
>1264, dr[0.269,0.645], df[0.256,0.046], g[1.678,0.142]
1/1 [=====] - 0s 70ms/step
>1265, dr[0.158,0.898], df[0.214,0.054], g[2.054,0.119]
1/1 [=====] - 0s 78ms/step
>1266, dr[0.172,0.902], df[0.328,0.173], g[1.739,0.156]
1/1 [=====] - 0s 73ms/step
>1267, dr[0.160,1.058], df[0.222,0.153], g[2.009,0.127]
1/1 [=====] - 0s 75ms/step
>1268, dr[0.412,1.644], df[0.166,0.134], g[1.532,0.094]
1/1 [=====] - 0s 82ms/step
>1269, dr[0.264,1.041], df[0.389,0.077], g[1.414,0.143]
1/1 [=====] - 0s 89ms/step
>1270, dr[0.138,0.412], df[0.300,0.124], g[1.406,0.189]
1/1 [=====] - 0s 75ms/step
>1271, dr[0.415,0.894], df[0.397,0.064], g[1.914,0.158]
1/1 [=====] - 0s 77ms/step
>1272, dr[0.264,0.714], df[0.293,0.056], g[2.459,0.134]
1/1 [=====] - 0s 78ms/step
>1273, dr[0.360,0.678], df[0.507,0.080], g[2.592,0.121]
1/1 [=====] - 0s 74ms/step
>1274, dr[0.237,0.740], df[0.098,0.159], g[3.655,0.193]
1/1 [=====] - 0s 79ms/step
>1275, dr[0.415,0.840], df[0.138,0.054], g[3.373,0.164]
1/1 [=====] - 0s 81ms/step
>1276, dr[0.206,1.024], df[0.130,0.040], g[2.372,0.156]
1/1 [=====] - 0s 81ms/step
>1277, dr[0.158,0.713], df[0.230,0.043], g[3.239,0.144]
1/1 [=====] - 0s 78ms/step
>1278, dr[0.503,0.476], df[0.255,0.066], g[2.311,0.160]
1/1 [=====] - 0s 84ms/step
>1279, dr[0.528,1.181], df[0.388,0.060], g[2.047,0.241]
1/1 [=====] - 0s 89ms/step
>1280, dr[0.289,0.794], df[0.728,0.035], g[1.803,0.106]
1/1 [=====] - 0s 81ms/step
>1281, dr[0.272,0.577], df[0.404,0.070], g[2.777,0.207]
1/1 [=====] - 0s 85ms/step
>1282, dr[0.197,0.687], df[0.309,0.141], g[2.710,0.118]
1/1 [=====] - 0s 69ms/step
>1283, dr[0.306,0.157], df[0.159,0.087], g[3.070,0.124]
1/1 [=====] - 0s 75ms/step
>1284, dr[0.189,0.664], df[0.264,0.033], g[2.489,0.132]
1/1 [=====] - 0s 83ms/step
>1285, dr[0.229,0.863], df[0.491,0.152], g[2.903,0.096]
1/1 [=====] - 0s 73ms/step
>1286, dr[0.264,1.023], df[0.234,0.027], g[2.557,0.081]
1/1 [=====] - 0s 76ms/step
>1287, dr[0.252,0.716], df[0.292,0.048], g[2.519,0.203]
1/1 [=====] - 0s 78ms/step
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>1288, dr[0.612,0.411], df[0.556,0.105], g[2.074,0.239]
1/1 [=====] - 0s 72ms/step
>1289, dr[0.583,0.418], df[0.546,0.147], g[1.698,0.106]
1/1 [=====] - 0s 70ms/step
>1290, dr[0.195,0.444], df[0.196,0.032], g[1.946,0.140]
1/1 [=====] - 0s 73ms/step
>1291, dr[0.402,0.681], df[0.412,0.044], g[2.230,0.171]
1/1 [=====] - 0s 75ms/step
>1292, dr[0.231,0.501], df[0.392,0.209], g[2.592,0.116]
1/1 [=====] - 0s 78ms/step
>1293, dr[0.366,0.510], df[0.293,0.097], g[3.027,0.086]
1/1 [=====] - 0s 82ms/step
>1294, dr[0.243,0.813], df[0.223,0.150], g[2.557,0.138]
1/1 [=====] - 0s 86ms/step
>1295, dr[0.401,0.627], df[0.498,0.061], g[3.038,0.160]
1/1 [=====] - 0s 92ms/step
>1296, dr[0.223,0.837], df[0.206,0.097], g[2.962,0.139]
1/1 [=====] - 0s 70ms/step
>1297, dr[0.389,0.613], df[0.477,0.032], g[2.865,0.157]
1/1 [=====] - 0s 71ms/step
>1298, dr[0.159,1.038], df[0.494,0.105], g[2.991,0.146]
1/1 [=====] - 0s 78ms/step
>1299, dr[0.775,1.059], df[0.235,0.131], g[2.100,0.079]
1/1 [=====] - 0s 67ms/step
>1300, dr[0.122,0.722], df[0.293,0.150], g[2.563,0.108]
1/1 [=====] - 0s 72ms/step
>1301, dr[0.171,0.960], df[0.253,0.077], g[1.716,0.202]
1/1 [=====] - 0s 66ms/step
>1302, dr[0.180,0.585], df[0.197,0.070], g[2.026,0.111]
1/1 [=====] - 0s 73ms/step
>1303, dr[0.241,0.926], df[0.361,0.074], g[1.922,0.157]
1/1 [=====] - 0s 74ms/step
>1304, dr[0.352,0.475], df[0.460,0.118], g[2.326,0.068]
1/1 [=====] - 0s 69ms/step
>1305, dr[0.283,0.360], df[0.255,0.024], g[2.065,0.096]
1/1 [=====] - 0s 75ms/step
>1306, dr[0.304,0.449], df[0.158,0.096], g[2.078,0.170]
1/1 [=====] - 0s 67ms/step
>1307, dr[0.250,0.746], df[0.414,0.185], g[2.884,0.056]
1/1 [=====] - 0s 75ms/step
>1308, dr[0.248,0.369], df[0.190,0.074], g[2.777,0.122]
1/1 [=====] - 0s 72ms/step
>1309, dr[0.197,1.226], df[0.109,0.057], g[2.558,0.078]
1/1 [=====] - 0s 71ms/step
>1310, dr[0.229,0.835], df[0.144,0.052], g[2.648,0.085]
1/1 [=====] - 0s 70ms/step
>1311, dr[0.313,0.895], df[0.412,0.074], g[2.299,0.087]
1/1 [=====] - 0s 79ms/step
>1312, dr[0.307,1.282], df[0.399,0.043], g[1.929,0.110]
1/1 [=====] - 0s 82ms/step
>1313, dr[0.233,1.125], df[0.417,0.047], g[2.485,0.154]
1/1 [=====] - 0s 68ms/step
>1314, dr[0.305,0.948], df[0.322,0.111], g[2.755,0.165]
1/1 [=====] - 0s 74ms/step
>1315, dr[0.093,0.475], df[0.321,0.197], g[2.907,0.061]
1/1 [=====] - 0s 69ms/step
>1316, dr[0.231,1.048], df[0.270,0.022], g[2.983,0.061]
1/1 [=====] - 0s 96ms/step
>1317, dr[0.428,0.866], df[0.285,0.028], g[2.264,0.125]
1/1 [=====] - 0s 75ms/step
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>1318, dr[0.156,0.408], df[0.520,0.169], g[1.972,0.054]
1/1 [=====] - 0s 79ms/step
>1319, dr[0.216,0.585], df[0.117,0.073], g[2.222,0.120]
1/1 [=====] - 0s 70ms/step
>1320, dr[0.110,0.972], df[0.376,0.165], g[2.694,0.060]
1/1 [=====] - 0s 66ms/step
>1321, dr[0.575,0.632], df[0.252,0.078], g[2.381,0.127]
1/1 [=====] - 0s 70ms/step
>1322, dr[0.396,0.927], df[0.197,0.055], g[2.655,0.054]
1/1 [=====] - 0s 66ms/step
>1323, dr[0.183,0.841], df[0.339,0.052], g[2.894,0.095]
1/1 [=====] - 0s 89ms/step
>1324, dr[0.365,0.771], df[0.305,0.027], g[2.695,0.057]
1/1 [=====] - 0s 70ms/step
>1325, dr[0.224,0.805], df[0.240,0.057], g[2.227,0.083]
1/1 [=====] - 0s 73ms/step
>1326, dr[0.134,1.020], df[0.164,0.069], g[2.494,0.061]
1/1 [=====] - 0s 70ms/step
>1327, dr[0.408,0.452], df[0.263,0.064], g[1.947,0.072]
1/1 [=====] - 0s 72ms/step
>1328, dr[0.247,0.621], df[0.588,0.125], g[1.997,0.080]
1/1 [=====] - 0s 80ms/step
>1329, dr[0.452,0.788], df[0.328,0.032], g[1.705,0.157]
1/1 [=====] - 0s 72ms/step
>1330, dr[0.082,1.046], df[0.124,0.185], g[2.279,0.064]
1/1 [=====] - 0s 79ms/step
>1331, dr[0.208,0.763], df[0.444,0.103], g[1.882,0.077]
1/1 [=====] - 0s 70ms/step
>1332, dr[0.268,0.567], df[0.410,0.090], g[1.965,0.039]
1/1 [=====] - 0s 75ms/step
>1333, dr[0.440,0.640], df[0.462,0.142], g[1.987,0.067]
1/1 [=====] - 0s 72ms/step
>1334, dr[0.265,0.275], df[0.399,0.064], g[2.344,0.095]
1/1 [=====] - 0s 81ms/step
>1335, dr[0.443,0.725], df[0.301,0.030], g[1.904,0.111]
1/1 [=====] - 0s 74ms/step
>1336, dr[0.180,0.974], df[0.329,0.073], g[2.381,0.052]
1/1 [=====] - 0s 73ms/step
>1337, dr[0.387,0.679], df[0.135,0.042], g[2.324,0.082]
1/1 [=====] - 0s 69ms/step
>1338, dr[0.460,0.905], df[0.238,0.032], g[2.010,0.116]
1/1 [=====] - 0s 67ms/step
>1339, dr[0.214,0.309], df[0.413,0.188], g[1.669,0.105]
1/1 [=====] - 0s 68ms/step
>1340, dr[0.285,0.714], df[0.225,0.077], g[2.135,0.093]
1/1 [=====] - 0s 71ms/step
>1341, dr[0.307,0.655], df[0.310,0.066], g[1.870,0.064]
1/1 [=====] - 0s 78ms/step
>1342, dr[0.232,0.935], df[0.169,0.035], g[1.861,0.083]
1/1 [=====] - 0s 73ms/step
>1343, dr[0.230,0.756], df[0.387,0.084], g[1.747,0.074]
1/1 [=====] - 0s 74ms/step
>1344, dr[0.202,0.459], df[0.327,0.062], g[1.921,0.125]
1/1 [=====] - 0s 68ms/step
>1345, dr[0.433,0.744], df[0.226,0.076], g[1.791,0.096]
1/1 [=====] - 0s 80ms/step
>1346, dr[0.431,0.330], df[0.359,0.113], g[1.718,0.051]
1/1 [=====] - 0s 77ms/step
>1347, dr[0.436,0.405], df[0.495,0.133], g[1.491,0.080]
1/1 [=====] - 0s 81ms/step
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>1348, dr[0.436,0.676], df[0.416,0.071], g[1.830,0.112]
1/1 [=====] - 0s 83ms/step
>1349, dr[0.135,0.547], df[0.294,0.072], g[2.165,0.112]
1/1 [=====] - 0s 77ms/step
>1350, dr[0.448,0.702], df[0.216,0.049], g[1.995,0.073]
1/1 [=====] - 0s 81ms/step
>1351, dr[0.223,0.775], df[0.244,0.092], g[2.301,0.133]
1/1 [=====] - 0s 75ms/step
>1352, dr[0.207,0.355], df[0.319,0.088], g[2.601,0.124]
1/1 [=====] - 0s 85ms/step
>1353, dr[0.437,1.087], df[0.179,0.100], g[2.544,0.078]
1/1 [=====] - 0s 75ms/step
>1354, dr[0.400,0.740], df[0.190,0.133], g[1.861,0.139]
1/1 [=====] - 0s 78ms/step
>1355, dr[0.406,0.470], df[0.446,0.057], g[2.375,0.121]
1/1 [=====] - 0s 81ms/step
>1356, dr[0.263,1.168], df[0.135,0.074], g[1.982,0.151]
1/1 [=====] - 0s 90ms/step
>1357, dr[0.359,0.766], df[0.466,0.166], g[1.868,0.127]
1/1 [=====] - 0s 88ms/step
>1358, dr[0.686,0.716], df[0.263,0.055], g[1.638,0.071]
1/1 [=====] - 0s 75ms/step
>1359, dr[0.190,0.216], df[0.233,0.070], g[1.230,0.142]
1/1 [=====] - 0s 74ms/step
>1360, dr[0.237,0.998], df[0.228,0.045], g[1.337,0.166]
1/1 [=====] - 0s 69ms/step
>1361, dr[0.302,1.006], df[0.476,0.070], g[1.785,0.117]
1/1 [=====] - 0s 77ms/step
>1362, dr[0.380,1.042], df[0.431,0.071], g[2.396,0.100]
1/1 [=====] - 0s 71ms/step
>1363, dr[0.227,0.700], df[0.256,0.084], g[2.303,0.134]
1/1 [=====] - 0s 69ms/step
>1364, dr[0.427,0.669], df[0.316,0.044], g[1.977,0.081]
1/1 [=====] - 0s 87ms/step
>1365, dr[0.176,0.672], df[0.314,0.084], g[3.221,0.154]
1/1 [=====] - 0s 84ms/step
>1366, dr[0.299,0.804], df[0.340,0.090], g[3.742,0.160]
1/1 [=====] - 0s 72ms/step
>1367, dr[0.431,0.899], df[0.202,0.078], g[3.128,0.119]
1/1 [=====] - 0s 86ms/step
>1368, dr[0.198,0.746], df[0.418,0.039], g[3.088,0.148]
1/1 [=====] - 0s 80ms/step
>1369, dr[0.360,0.514], df[0.207,0.217], g[3.284,0.114]
1/1 [=====] - 0s 76ms/step
>1370, dr[0.310,0.416], df[0.380,0.080], g[2.769,0.174]
1/1 [=====] - 0s 79ms/step
>1371, dr[0.544,1.086], df[0.254,0.197], g[2.317,0.156]
1/1 [=====] - 0s 75ms/step
>1372, dr[0.376,0.415], df[0.141,0.091], g[1.346,0.193]
1/1 [=====] - 0s 78ms/step
>1373, dr[0.387,0.586], df[0.299,0.137], g[1.004,0.123]
1/1 [=====] - 0s 71ms/step
>1374, dr[0.453,0.959], df[0.384,0.109], g[0.852,0.203]
1/1 [=====] - 0s 77ms/step
>1375, dr[0.110,0.682], df[0.484,0.128], g[1.787,0.122]
1/1 [=====] - 0s 78ms/step
>1376, dr[0.382,1.006], df[0.452,0.141], g[1.293,0.188]
1/1 [=====] - 0s 71ms/step
>1377, dr[0.420,0.895], df[0.475,0.149], g[1.745,0.092]
1/1 [=====] - 0s 77ms/step
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>1378, dr[0.246,0.884], df[0.290,0.150], g[2.398,0.128]
1/1 [=====] - 0s 78ms/step
>1379, dr[0.284,0.811], df[0.325,0.080], g[2.473,0.171]
1/1 [=====] - 0s 81ms/step
>1380, dr[0.477,0.971], df[0.258,0.099], g[2.515,0.137]
1/1 [=====] - 0s 73ms/step
>1381, dr[0.329,0.819], df[0.431,0.068], g[2.067,0.201]
1/1 [=====] - 0s 79ms/step
>1382, dr[0.144,0.737], df[0.147,0.050], g[3.289,0.170]
1/1 [=====] - 0s 75ms/step
>1383, dr[0.371,0.915], df[0.260,0.188], g[2.476,0.223]
1/1 [=====] - 0s 76ms/step
>1384, dr[0.394,0.615], df[0.598,0.133], g[3.018,0.151]
1/1 [=====] - 0s 76ms/step
>1385, dr[0.191,0.517], df[0.272,0.178], g[3.539,0.100]
1/1 [=====] - 0s 74ms/step
>1386, dr[0.567,0.591], df[0.300,0.064], g[1.982,0.203]
1/1 [=====] - 0s 84ms/step
>1387, dr[0.319,0.820], df[0.242,0.160], g[2.006,0.094]
1/1 [=====] - 0s 71ms/step
>1388, dr[0.563,0.776], df[0.422,0.077], g[1.708,0.120]
1/1 [=====] - 0s 83ms/step
>1389, dr[0.420,0.620], df[0.396,0.163], g[1.883,0.140]
1/1 [=====] - 0s 83ms/step
>1390, dr[0.308,0.875], df[1.052,0.112], g[2.138,0.206]
1/1 [=====] - 0s 86ms/step
>1391, dr[0.297,0.751], df[0.100,0.118], g[2.829,0.129]
1/1 [=====] - 0s 76ms/step
>1392, dr[0.545,0.511], df[0.168,0.095], g[2.177,0.146]
1/1 [=====] - 0s 72ms/step
>1393, dr[0.233,0.824], df[0.408,0.205], g[1.904,0.145]
1/1 [=====] - 0s 80ms/step
>1394, dr[0.268,0.836], df[0.407,0.149], g[2.723,0.139]
1/1 [=====] - 0s 76ms/step
>1395, dr[0.154,0.837], df[0.328,0.110], g[3.013,0.311]
1/1 [=====] - 0s 78ms/step
>1396, dr[0.147,0.370], df[0.495,0.117], g[3.707,0.067]
1/1 [=====] - 0s 80ms/step
>1397, dr[0.366,0.436], df[0.211,0.074], g[3.592,0.092]
1/1 [=====] - 0s 80ms/step
>1398, dr[0.453,1.013], df[0.108,0.059], g[2.272,0.132]
1/1 [=====] - 0s 75ms/step
>1399, dr[0.532,0.697], df[0.383,0.084], g[1.813,0.187]
1/1 [=====] - 0s 82ms/step
>1400, dr[0.180,0.849], df[0.576,0.080], g[2.198,0.142]
1/1 [=====] - 0s 82ms/step
>1401, dr[0.441,0.898], df[0.225,0.081], g[2.411,0.146]
1/1 [=====] - 0s 83ms/step
>1402, dr[0.363,0.868], df[0.512,0.081], g[2.826,0.146]
1/1 [=====] - 0s 80ms/step
>1403, dr[0.649,0.546], df[0.305,0.136], g[2.805,0.087]
1/1 [=====] - 0s 72ms/step
>1404, dr[0.588,0.741], df[0.347,0.212], g[2.307,0.357]
1/1 [=====] - 0s 74ms/step
>1405, dr[0.281,0.580], df[0.277,0.045], g[1.492,0.154]
1/1 [=====] - 0s 75ms/step
>1406, dr[0.242,0.688], df[0.545,0.161], g[1.617,0.091]
1/1 [=====] - 0s 81ms/step
>1407, dr[0.439,0.375], df[0.560,0.223], g[2.186,0.065]
1/1 [=====] - 0s 80ms/step
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>1408, dr[0.467,0.649], df[0.350,0.074], g[1.724,0.129]
1/1 [=====] - 0s 77ms/step
>1409, dr[0.300,0.331], df[0.633,0.163], g[1.977,0.243]
1/1 [=====] - 0s 88ms/step
>1410, dr[0.132,1.098], df[0.277,0.090], g[2.427,0.132]
1/1 [=====] - 0s 83ms/step
>1411, dr[0.340,0.825], df[0.355,0.134], g[3.225,0.102]
1/1 [=====] - 0s 74ms/step
>1412, dr[0.355,1.122], df[0.546,0.168], g[2.866,0.067]
1/1 [=====] - 0s 72ms/step
>1413, dr[0.698,0.759], df[0.329,0.048], g[2.511,0.082]
1/1 [=====] - 0s 69ms/step
>1414, dr[0.754,0.688], df[0.847,0.238], g[1.949,0.115]
1/1 [=====] - 0s 77ms/step
>1415, dr[0.227,0.809], df[0.473,0.112], g[2.321,0.161]
1/1 [=====] - 0s 71ms/step
>1416, dr[0.440,0.682], df[0.598,0.144], g[4.069,0.113]
1/1 [=====] - 0s 81ms/step
>1417, dr[0.849,0.653], df[0.587,0.076], g[2.236,0.110]
1/1 [=====] - 0s 69ms/step
>1418, dr[1.003,0.421], df[0.383,0.210], g[2.048,0.120]
1/1 [=====] - 0s 90ms/step
>1419, dr[0.478,1.622], df[0.958,0.053], g[2.304,0.070]
1/1 [=====] - 0s 72ms/step
>1420, dr[0.435,0.857], df[0.135,0.067], g[2.232,0.176]
1/1 [=====] - 0s 165ms/step
>1421, dr[0.588,0.811], df[0.359,0.302], g[2.142,0.072]
1/1 [=====] - 0s 101ms/step
>1422, dr[0.152,0.754], df[0.394,0.160], g[1.506,0.115]
1/1 [=====] - 0s 98ms/step
>1423, dr[0.441,0.733], df[0.759,0.126], g[1.823,0.133]
1/1 [=====] - 0s 118ms/step
>1424, dr[0.335,0.749], df[0.479,0.303], g[2.065,0.158]
1/1 [=====] - 0s 127ms/step
>1425, dr[0.574,0.680], df[0.279,0.149], g[1.582,0.066]
1/1 [=====] - 0s 98ms/step
>1426, dr[0.252,1.038], df[0.423,0.086], g[1.781,0.171]
1/1 [=====] - 0s 94ms/step
>1427, dr[0.133,0.574], df[0.500,0.093], g[2.859,0.163]
1/1 [=====] - 0s 154ms/step
>1428, dr[0.519,0.864], df[0.426,0.144], g[1.776,0.090]
1/1 [=====] - 0s 148ms/step
>1429, dr[0.518,0.823], df[0.499,0.198], g[2.287,0.101]
1/1 [=====] - 0s 119ms/step
>1430, dr[0.406,0.690], df[0.464,0.161], g[2.301,0.118]
1/1 [=====] - 0s 133ms/step
>1431, dr[0.443,0.631], df[0.783,0.114], g[2.590,0.100]
1/1 [=====] - 0s 158ms/step
>1432, dr[0.757,1.052], df[0.350,0.116], g[2.293,0.073]
1/1 [=====] - 0s 82ms/step
>1433, dr[0.404,0.541], df[0.461,0.295], g[2.618,0.095]
1/1 [=====] - 0s 86ms/step
>1434, dr[0.671,0.649], df[0.856,0.199], g[3.382,0.138]
1/1 [=====] - 0s 113ms/step
>1435, dr[1.012,0.544], df[0.402,0.110], g[2.459,0.148]
1/1 [=====] - 0s 128ms/step
>1436, dr[0.465,0.586], df[0.299,0.101], g[2.535,0.089]
1/1 [=====] - 0s 88ms/step
>1437, dr[0.564,0.916], df[0.234,0.142], g[1.752,0.080]
1/1 [=====] - 0s 84ms/step
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>1438, dr[0.549,1.396], df[0.551,0.081], g[1.356,0.133]
1/1 [=====] - 0s 81ms/step
>1439, dr[0.354,0.321], df[0.574,0.162], g[1.657,0.122]
1/1 [=====] - 0s 83ms/step
>1440, dr[0.408,0.621], df[0.628,0.122], g[2.415,0.086]
1/1 [=====] - 0s 78ms/step
>1441, dr[0.476,0.896], df[0.391,0.089], g[2.295,0.104]
1/1 [=====] - 0s 87ms/step
>1442, dr[0.534,0.793], df[0.330,0.090], g[1.590,0.092]
1/1 [=====] - 0s 94ms/step
>1443, dr[0.306,0.575], df[0.939,0.182], g[1.364,0.118]
1/1 [=====] - 0s 83ms/step
>1444, dr[0.512,1.202], df[0.333,0.109], g[2.432,0.057]
1/1 [=====] - 0s 91ms/step
>1445, dr[0.332,0.431], df[0.315,0.301], g[1.747,0.153]
1/1 [=====] - 0s 83ms/step
>1446, dr[0.294,0.455], df[0.518,0.155], g[1.493,0.068]
1/1 [=====] - 0s 90ms/step
>1447, dr[0.240,0.850], df[0.198,0.094], g[2.391,0.120]
1/1 [=====] - 0s 88ms/step
>1448, dr[0.434,0.900], df[0.518,0.079], g[1.511,0.141]
1/1 [=====] - 0s 96ms/step
>1449, dr[0.257,0.857], df[0.515,0.109], g[2.454,0.143]
1/1 [=====] - 0s 91ms/step
>1450, dr[0.810,0.615], df[0.155,0.154], g[2.110,0.100]
1/1 [=====] - 0s 86ms/step
>1451, dr[0.320,0.779], df[0.721,0.072], g[2.320,0.072]
1/1 [=====] - 0s 80ms/step
>1452, dr[0.345,0.471], df[0.491,0.218], g[2.811,0.080]
1/1 [=====] - 0s 81ms/step
>1453, dr[0.424,0.934], df[0.223,0.117], g[2.593,0.120]
1/1 [=====] - 0s 81ms/step
>1454, dr[0.479,0.583], df[0.370,0.172], g[2.092,0.080]
1/1 [=====] - 0s 82ms/step
>1455, dr[0.714,0.778], df[0.558,0.048], g[1.894,0.078]
1/1 [=====] - 0s 88ms/step
>1456, dr[0.240,0.836], df[0.220,0.140], g[1.882,0.118]
1/1 [=====] - 0s 78ms/step
>1457, dr[0.766,0.709], df[0.426,0.111], g[1.971,0.085]
1/1 [=====] - 0s 86ms/step
>1458, dr[0.586,1.038], df[0.679,0.185], g[1.746,0.120]
1/1 [=====] - 0s 90ms/step
>1459, dr[0.146,0.372], df[0.628,0.029], g[2.149,0.133]
1/1 [=====] - 0s 81ms/step
>1460, dr[0.505,0.867], df[0.348,0.083], g[1.964,0.087]
1/1 [=====] - 0s 82ms/step
>1461, dr[0.677,1.312], df[0.418,0.072], g[1.640,0.203]
1/1 [=====] - 0s 83ms/step
>1462, dr[0.399,0.652], df[0.741,0.375], g[1.600,0.117]
1/1 [=====] - 0s 76ms/step
>1463, dr[0.222,0.466], df[0.301,0.066], g[1.987,0.093]
1/1 [=====] - 0s 79ms/step
>1464, dr[0.177,0.636], df[0.262,0.077], g[2.121,0.073]
1/1 [=====] - 0s 82ms/step
>1465, dr[0.340,0.878], df[0.332,0.107], g[2.305,0.101]
1/1 [=====] - 0s 85ms/step
>1466, dr[0.136,0.644], df[0.277,0.238], g[2.092,0.078]
1/1 [=====] - 0s 85ms/step
>1467, dr[0.357,0.571], df[0.341,0.217], g[2.066,0.090]
1/1 [=====] - 0s 75ms/step
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>1468, dr[0.348,0.551], df[0.353,0.092], g[1.558,0.109]
1/1 [=====] - 0s 88ms/step
>1469, dr[0.553,0.704], df[0.882,0.152], g[2.012,0.145]
1/1 [=====] - 0s 80ms/step
>1470, dr[0.335,0.990], df[0.177,0.178], g[2.055,0.163]
1/1 [=====] - 0s 118ms/step
>1471, dr[0.757,1.062], df[0.533,0.148], g[1.389,0.135]
1/1 [=====] - 0s 82ms/step
>1472, dr[0.144,0.708], df[0.525,0.108], g[2.039,0.181]
1/1 [=====] - 0s 106ms/step
>1473, dr[0.681,0.304], df[0.224,0.125], g[2.000,0.131]
1/1 [=====] - 0s 91ms/step
>1474, dr[0.410,0.597], df[0.682,0.180], g[2.283,0.140]
1/1 [=====] - 0s 105ms/step
>1475, dr[0.689,0.686], df[0.388,0.176], g[1.712,0.134]
1/1 [=====] - 0s 96ms/step
>1476, dr[0.469,0.509], df[0.478,0.104], g[1.757,0.138]
1/1 [=====] - 0s 103ms/step
>1477, dr[0.366,0.924], df[0.373,0.107], g[1.889,0.137]
1/1 [=====] - 0s 157ms/step
>1478, dr[0.338,0.520], df[0.483,0.165], g[2.043,0.254]
1/1 [=====] - 0s 107ms/step
>1479, dr[0.340,0.774], df[0.264,0.101], g[1.683,0.234]
1/1 [=====] - 0s 105ms/step
>1480, dr[0.619,0.881], df[0.350,0.105], g[1.449,0.108]
1/1 [=====] - 0s 90ms/step
>1481, dr[0.158,0.883], df[0.304,0.188], g[1.868,0.086]
1/1 [=====] - 0s 96ms/step
>1482, dr[0.570,1.203], df[0.348,0.048], g[1.172,0.151]
1/1 [=====] - 0s 82ms/step
>1483, dr[0.091,0.740], df[0.595,0.088], g[1.934,0.186]
1/1 [=====] - 0s 85ms/step
>1484, dr[0.514,0.669], df[0.216,0.080], g[2.119,0.290]
1/1 [=====] - 0s 88ms/step
>1485, dr[0.371,0.897], df[0.158,0.139], g[1.656,0.206]
1/1 [=====] - 0s 82ms/step
>1486, dr[0.267,0.763], df[0.404,0.087], g[1.991,0.130]
1/1 [=====] - 0s 88ms/step
>1487, dr[0.326,0.391], df[0.234,0.197], g[1.264,0.227]
1/1 [=====] - 0s 92ms/step
>1488, dr[0.431,0.615], df[0.460,0.282], g[2.090,0.155]
1/1 [=====] - 0s 111ms/step
>1489, dr[0.291,0.691], df[0.436,0.070], g[1.939,0.090]
1/1 [=====] - 0s 94ms/step
>1490, dr[0.731,0.703], df[0.192,0.079], g[1.407,0.201]
1/1 [=====] - 0s 79ms/step
>1491, dr[0.436,0.766], df[0.486,0.291], g[1.614,0.133]
1/1 [=====] - 0s 75ms/step
>1492, dr[0.146,1.011], df[0.478,0.090], g[1.897,0.135]
1/1 [=====] - 0s 82ms/step
>1493, dr[0.456,0.343], df[0.311,0.106], g[1.957,0.155]
1/1 [=====] - 0s 72ms/step
>1494, dr[0.149,0.727], df[0.199,0.184], g[2.393,0.110]
1/1 [=====] - 0s 87ms/step
>1495, dr[0.332,0.626], df[0.202,0.094], g[1.952,0.165]
1/1 [=====] - 0s 77ms/step
>1496, dr[0.579,0.304], df[0.328,0.151], g[1.366,0.129]
1/1 [=====] - 0s 88ms/step
>1497, dr[0.287,1.180], df[0.653,0.326], g[1.752,0.101]
1/1 [=====] - 0s 85ms/step
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>1498, dr[0.281,0.823], df[0.186,0.039], g[1.584,0.119]
1/1 [=====] - 0s 82ms/step
>1499, dr[0.308,0.422], df[0.287,0.081], g[1.547,0.094]
1/1 [=====] - 0s 69ms/step
>1500, dr[0.301,0.684], df[0.330,0.103], g[1.478,0.170]
1/1 [=====] - 0s 67ms/step
>1501, dr[0.462,0.512], df[0.172,0.040], g[1.441,0.299]
1/1 [=====] - 0s 76ms/step
>1502, dr[0.263,0.689], df[0.410,0.133], g[1.690,0.143]
1/1 [=====] - 0s 75ms/step
>1503, dr[0.456,0.299], df[0.535,0.073], g[1.830,0.149]
1/1 [=====] - 0s 76ms/step
>1504, dr[0.392,0.619], df[0.320,0.209], g[1.572,0.056]
1/1 [=====] - 0s 71ms/step
>1505, dr[0.339,0.551], df[0.164,0.224], g[1.246,0.070]
1/1 [=====] - 0s 76ms/step
>1506, dr[0.160,0.504], df[0.229,0.153], g[1.431,0.109]
1/1 [=====] - 0s 83ms/step
>1507, dr[0.162,0.782], df[0.346,0.082], g[1.553,0.113]
1/1 [=====] - 0s 73ms/step
>1508, dr[0.226,0.627], df[0.556,0.148], g[1.877,0.162]
1/1 [=====] - 0s 70ms/step
>1509, dr[0.800,0.885], df[0.370,0.136], g[1.698,0.161]
1/1 [=====] - 0s 68ms/step
>1510, dr[0.329,0.776], df[0.573,0.070], g[2.368,0.088]
1/1 [=====] - 0s 77ms/step
>1511, dr[0.490,0.804], df[0.532,0.096], g[2.270,0.143]
1/1 [=====] - 0s 70ms/step
>1512, dr[0.467,0.972], df[0.317,0.102], g[2.228,0.123]
1/1 [=====] - 0s 73ms/step
>1513, dr[0.472,1.513], df[0.308,0.043], g[1.877,0.201]
1/1 [=====] - 0s 69ms/step
>1514, dr[0.337,0.868], df[0.551,0.036], g[1.768,0.121]
1/1 [=====] - 0s 82ms/step
>1515, dr[0.343,0.502], df[0.289,0.162], g[1.818,0.080]
1/1 [=====] - 0s 81ms/step
>1516, dr[0.272,0.450], df[0.255,0.194], g[1.873,0.171]
1/1 [=====] - 0s 80ms/step
>1517, dr[0.410,0.890], df[0.630,0.028], g[1.533,0.127]
1/1 [=====] - 0s 72ms/step
>1518, dr[0.265,0.761], df[0.299,0.118], g[2.053,0.085]
1/1 [=====] - 0s 76ms/step
>1519, dr[0.321,1.100], df[0.424,0.045], g[1.786,0.153]
1/1 [=====] - 0s 71ms/step
>1520, dr[0.231,0.705], df[0.216,0.044], g[1.529,0.087]
1/1 [=====] - 0s 78ms/step
>1521, dr[0.486,0.654], df[0.172,0.055], g[1.287,0.135]
1/1 [=====] - 0s 71ms/step
>1522, dr[0.220,0.832], df[0.365,0.047], g[1.382,0.127]
1/1 [=====] - 0s 84ms/step
>1523, dr[0.134,0.863], df[0.394,0.047], g[1.636,0.160]
1/1 [=====] - 0s 73ms/step
>1524, dr[0.403,0.571], df[0.352,0.077], g[1.864,0.224]
1/1 [=====] - 0s 80ms/step
>1525, dr[0.373,0.459], df[0.525,0.126], g[1.664,0.257]
1/1 [=====] - 0s 73ms/step
>1526, dr[0.681,0.730], df[0.318,0.193], g[0.927,0.162]
1/1 [=====] - 0s 75ms/step
>1527, dr[0.258,1.124], df[0.295,0.193], g[1.188,0.155]
1/1 [=====] - 0s 72ms/step
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>1528, dr[0.226,0.879], df[0.610,0.062], g[1.304,0.148]
1/1 [=====] - 0s 66ms/step
>1529, dr[0.344,0.723], df[0.426,0.150], g[2.277,0.242]
1/1 [=====] - 0s 73ms/step
>1530, dr[0.489,1.237], df[0.544,0.063], g[1.849,0.197]
1/1 [=====] - 0s 75ms/step
>1531, dr[0.502,0.348], df[0.313,0.195], g[1.677,0.127]
1/1 [=====] - 0s 81ms/step
>1532, dr[0.391,0.424], df[0.477,0.108], g[1.574,0.136]
1/1 [=====] - 0s 77ms/step
>1533, dr[0.580,0.546], df[0.503,0.205], g[2.081,0.191]
1/1 [=====] - 0s 74ms/step
>1534, dr[0.270,1.063], df[0.505,0.185], g[2.583,0.188]
1/1 [=====] - 0s 73ms/step
>1535, dr[0.752,0.340], df[0.348,0.112], g[2.315,0.199]
1/1 [=====] - 0s 79ms/step
>1536, dr[0.351,0.697], df[0.409,0.041], g[2.552,0.132]
1/1 [=====] - 0s 68ms/step
>1537, dr[0.451,0.896], df[0.340,0.054], g[2.257,0.302]
1/1 [=====] - 0s 72ms/step
>1538, dr[0.235,0.739], df[0.352,0.065], g[2.560,0.098]
1/1 [=====] - 0s 74ms/step
>1539, dr[0.271,1.168], df[0.159,0.104], g[2.273,0.111]
1/1 [=====] - 0s 72ms/step
>1540, dr[0.344,0.742], df[0.685,0.088], g[1.818,0.055]
1/1 [=====] - 0s 70ms/step
>1541, dr[0.376,0.754], df[0.585,0.127], g[2.046,0.173]
1/1 [=====] - 0s 74ms/step
>1542, dr[0.513,1.056], df[0.685,0.221], g[1.849,0.140]
1/1 [=====] - 0s 75ms/step
>1543, dr[0.406,0.829], df[0.398,0.086], g[1.955,0.053]
1/1 [=====] - 0s 69ms/step
>1544, dr[0.406,0.652], df[0.504,0.057], g[1.646,0.098]
1/1 [=====] - 0s 79ms/step
>1545, dr[0.585,0.584], df[0.305,0.097], g[1.097,0.143]
1/1 [=====] - 0s 81ms/step
>1546, dr[0.187,0.771], df[0.675,0.075], g[1.649,0.150]
1/1 [=====] - 0s 79ms/step
>1547, dr[0.420,1.060], df[0.370,0.026], g[1.767,0.132]
1/1 [=====] - 0s 70ms/step
>1548, dr[0.480,0.773], df[0.307,0.157], g[1.466,0.082]
1/1 [=====] - 0s 78ms/step
>1549, dr[0.511,0.437], df[0.891,0.145], g[1.383,0.063]
1/1 [=====] - 0s 73ms/step
>1550, dr[0.264,1.027], df[0.615,0.158], g[2.641,0.115]
1/1 [=====] - 0s 83ms/step
>1551, dr[0.589,0.970], df[0.267,0.194], g[2.296,0.194]
1/1 [=====] - 0s 83ms/step
>1552, dr[0.641,0.975], df[0.644,0.252], g[2.362,0.190]
1/1 [=====] - 0s 80ms/step
>1553, dr[0.572,0.604], df[0.448,0.181], g[2.537,0.126]
1/1 [=====] - 0s 80ms/step
>1554, dr[1.109,0.831], df[0.376,0.242], g[2.126,0.092]
1/1 [=====] - 0s 79ms/step
>1555, dr[0.488,0.758], df[0.324,0.158], g[2.197,0.145]
1/1 [=====] - 0s 73ms/step
>1556, dr[0.255,0.852], df[0.494,0.297], g[3.026,0.227]
1/1 [=====] - 0s 73ms/step
>1557, dr[0.317,0.411], df[0.112,0.100], g[2.721,0.302]
1/1 [=====] - 0s 73ms/step
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>1558, dr[0.162,0.487], df[0.292,0.144], g[2.679,0.080]
1/1 [=====] - 0s 76ms/step
>1559, dr[0.245,0.464], df[0.370,0.128], g[2.748,0.137]
1/1 [=====] - 0s 68ms/step
>1560, dr[0.391,0.770], df[0.587,0.050], g[2.836,0.090]
1/1 [=====] - 0s 73ms/step
>1561, dr[0.418,1.316], df[1.152,0.199], g[2.379,0.145]
1/1 [=====] - 0s 74ms/step
>1562, dr[0.575,0.522], df[1.088,0.170], g[2.231,0.130]
1/1 [=====] - 0s 76ms/step
>1563, dr[1.102,0.605], df[0.441,0.130], g[2.128,0.106]
1/1 [=====] - 0s 84ms/step
>1564, dr[0.584,0.421], df[0.622,0.303], g[1.613,0.144]
1/1 [=====] - 0s 78ms/step
>1565, dr[0.386,0.732], df[0.375,0.081], g[2.273,0.114]
1/1 [=====] - 0s 68ms/step
>1566, dr[0.226,0.256], df[0.096,0.076], g[1.794,0.107]
1/1 [=====] - 0s 79ms/step
>1567, dr[0.344,0.630], df[0.589,0.084], g[1.732,0.163]
1/1 [=====] - 0s 68ms/step
>1568, dr[0.454,0.471], df[0.451,0.202], g[2.454,0.072]
1/1 [=====] - 0s 68ms/step
>1569, dr[0.311,1.051], df[0.724,0.460], g[2.766,0.177]
1/1 [=====] - 0s 71ms/step
>1570, dr[0.907,0.516], df[0.551,0.140], g[2.089,0.166]
1/1 [=====] - 0s 70ms/step
>1571, dr[0.977,0.529], df[1.304,0.272], g[1.864,0.142]
1/1 [=====] - 0s 75ms/step
>1572, dr[1.113,0.599], df[0.771,0.195], g[1.821,0.203]
1/1 [=====] - 0s 69ms/step
>1573, dr[0.499,1.069], df[0.423,0.079], g[2.220,0.189]
1/1 [=====] - 0s 76ms/step
>1574, dr[0.476,0.568], df[0.403,0.216], g[2.490,0.226]
1/1 [=====] - 0s 68ms/step
>1575, dr[0.688,1.105], df[0.553,0.201], g[2.688,0.242]
1/1 [=====] - 0s 75ms/step
>1576, dr[0.645,0.946], df[0.413,0.148], g[2.454,0.138]
1/1 [=====] - 0s 70ms/step
>1577, dr[0.333,0.401], df[0.216,0.122], g[2.106,0.140]
1/1 [=====] - 0s 71ms/step
>1578, dr[0.506,0.448], df[0.380,0.070], g[2.109,0.211]
1/1 [=====] - 0s 68ms/step
>1579, dr[0.445,1.029], df[0.393,0.297], g[1.913,0.127]
1/1 [=====] - 0s 69ms/step
>1580, dr[0.187,1.070], df[0.279,0.106], g[2.112,0.189]
1/1 [=====] - 0s 75ms/step
>1581, dr[0.324,0.641], df[0.472,0.076], g[2.003,0.136]
1/1 [=====] - 0s 71ms/step
>1582, dr[0.444,0.935], df[0.368,0.033], g[1.985,0.189]
1/1 [=====] - 0s 71ms/step
>1583, dr[0.678,0.748], df[0.578,0.267], g[1.579,0.142]
1/1 [=====] - 0s 73ms/step
>1584, dr[0.614,0.516], df[0.641,0.337], g[1.726,0.132]
1/1 [=====] - 0s 75ms/step
>1585, dr[0.392,1.144], df[0.432,0.436], g[1.833,0.157]
1/1 [=====] - 0s 86ms/step
>1586, dr[0.365,0.362], df[0.462,0.435], g[1.883,0.093]
1/1 [=====] - 0s 83ms/step
>1587, dr[0.273,0.346], df[0.384,0.189], g[1.802,0.116]
1/1 [=====] - 0s 83ms/step
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>1588, dr[0.476,0.657], df[0.384,0.094], g[2.136,0.143]
1/1 [=====] - 0s 77ms/step
>1589, dr[0.431,0.603], df[0.329,0.078], g[2.028,0.098]
1/1 [=====] - 0s 69ms/step
>1590, dr[0.472,0.703], df[0.271,0.073], g[1.803,0.144]
1/1 [=====] - 0s 77ms/step
>1591, dr[0.340,0.685], df[0.477,0.095], g[1.687,0.130]
1/1 [=====] - 0s 79ms/step
>1592, dr[0.532,1.173], df[0.318,0.092], g[1.239,0.243]
1/1 [=====] - 0s 92ms/step
>1593, dr[0.327,0.924], df[0.802,0.115], g[2.021,0.097]
1/1 [=====] - 0s 106ms/step
>1594, dr[0.478,0.739], df[0.684,0.301], g[2.731,0.128]
1/1 [=====] - 0s 153ms/step
>1595, dr[0.656,0.726], df[0.266,0.172], g[2.691,0.120]
1/1 [=====] - 0s 139ms/step
>1596, dr[0.835,0.285], df[0.573,0.356], g[2.112,0.219]
1/1 [=====] - 0s 98ms/step
>1597, dr[0.687,0.495], df[0.642,0.114], g[2.930,0.120]
1/1 [=====] - 0s 85ms/step
>1598, dr[0.538,1.091], df[0.329,0.053], g[3.182,0.123]
1/1 [=====] - 0s 137ms/step
>1599, dr[0.856,0.520], df[0.368,0.229], g[2.528,0.112]
1/1 [=====] - 0s 188ms/step
>1600, dr[0.774,0.600], df[0.468,0.077], g[2.367,0.181]
1/1 [=====] - 0s 116ms/step
>1601, dr[0.311,1.211], df[0.743,0.272], g[2.546,0.196]
1/1 [=====] - 0s 137ms/step
>1602, dr[0.126,0.617], df[0.142,0.381], g[3.577,0.122]
1/1 [=====] - 0s 271ms/step
>1603, dr[0.833,0.985], df[0.184,0.192], g[2.440,0.099]
1/1 [=====] - 0s 235ms/step
>1604, dr[0.144,0.353], df[0.438,0.303], g[2.927,0.203]
1/1 [=====] - 0s 249ms/step
>1605, dr[0.216,0.784], df[0.311,0.167], g[3.326,0.147]
1/1 [=====] - 0s 137ms/step
>1606, dr[0.183,0.299], df[0.186,0.220], g[3.886,0.114]
1/1 [=====] - 0s 192ms/step
>1607, dr[0.333,0.489], df[0.150,0.217], g[3.544,0.109]
1/1 [=====] - 0s 167ms/step
>1608, dr[0.110,1.128], df[0.098,0.276], g[3.070,0.081]
1/1 [=====] - 0s 139ms/step
>1609, dr[0.224,0.548], df[0.259,0.620], g[3.268,0.198]
1/1 [=====] - 0s 125ms/step
>1610, dr[0.105,0.397], df[0.124,0.283], g[3.540,0.134]
1/1 [=====] - 0s 107ms/step
>1611, dr[0.067,0.779], df[0.118,0.246], g[3.412,0.165]
1/1 [=====] - 0s 106ms/step
>1612, dr[0.288,0.971], df[0.134,0.112], g[3.305,0.109]
1/1 [=====] - 0s 113ms/step
>1613, dr[0.114,0.740], df[0.127,0.202], g[2.863,0.225]
1/1 [=====] - 0s 110ms/step
>1614, dr[0.251,0.448], df[0.080,0.159], g[3.009,0.201]
1/1 [=====] - 0s 88ms/step
>1615, dr[0.086,0.667], df[0.200,0.531], g[3.287,0.142]
1/1 [=====] - 0s 130ms/step
>1616, dr[0.106,0.877], df[0.051,0.363], g[3.693,0.190]
1/1 [=====] - 0s 110ms/step
>1617, dr[0.053,1.098], df[0.154,0.392], g[3.949,0.157]
1/1 [=====] - 0s 98ms/step
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>1618, dr[0.137,0.650], df[0.067,0.242], g[3.048,0.099]
1/1 [=====] - 0s 97ms/step
>1619, dr[0.048,0.471], df[0.069,0.279], g[2.351,0.169]
1/1 [=====] - 0s 92ms/step
>1620, dr[0.115,1.067], df[0.061,0.119], g[3.073,0.178]
1/1 [=====] - 0s 83ms/step
>1621, dr[0.051,0.375], df[0.071,0.300], g[2.992,0.163]
1/1 [=====] - 0s 100ms/step
>1622, dr[0.072,0.630], df[0.055,0.159], g[2.786,0.178]
1/1 [=====] - 0s 86ms/step
>1623, dr[0.263,0.988], df[0.146,0.502], g[2.496,0.188]
1/1 [=====] - 0s 91ms/step
>1624, dr[0.031,0.758], df[0.135,0.433], g[2.837,0.169]
1/1 [=====] - 0s 97ms/step
>1625, dr[0.098,0.449], df[0.056,0.116], g[2.544,0.172]
1/1 [=====] - 0s 113ms/step
>1626, dr[0.056,0.840], df[0.145,0.232], g[2.627,0.174]
1/1 [=====] - 0s 96ms/step
>1627, dr[0.064,0.411], df[0.073,0.119], g[2.454,0.157]
1/1 [=====] - 0s 94ms/step
>1628, dr[0.078,0.339], df[0.043,0.222], g[2.312,0.174]
1/1 [=====] - 0s 87ms/step
>1629, dr[0.067,0.851], df[0.083,0.119], g[2.485,0.118]
1/1 [=====] - 0s 85ms/step
>1630, dr[0.271,0.911], df[0.198,0.345], g[2.030,0.238]
1/1 [=====] - 0s 99ms/step
>1631, dr[0.046,0.502], df[0.178,0.108], g[2.482,0.176]
1/1 [=====] - 0s 91ms/step
>1632, dr[0.020,0.738], df[0.129,0.127], g[3.325,0.172]
1/1 [=====] - 0s 103ms/step
>1633, dr[0.167,0.731], df[0.105,0.325], g[2.805,0.164]
1/1 [=====] - 0s 109ms/step
>1634, dr[0.035,0.605], df[0.070,0.121], g[3.336,0.174]
1/1 [=====] - 0s 106ms/step
>1635, dr[0.142,1.205], df[0.079,0.202], g[3.053,0.179]
1/1 [=====] - 0s 91ms/step
>1636, dr[0.088,0.986], df[0.210,0.023], g[3.065,0.150]
1/1 [=====] - 0s 92ms/step
>1637, dr[0.140,0.714], df[0.046,0.208], g[2.887,0.161]
1/1 [=====] - 0s 109ms/step
>1638, dr[0.069,0.721], df[0.038,0.142], g[3.034,0.269]
1/1 [=====] - 0s 91ms/step
>1639, dr[0.125,0.523], df[0.067,0.074], g[2.756,0.241]
1/1 [=====] - 0s 101ms/step
>1640, dr[0.029,0.893], df[0.164,0.219], g[3.105,0.263]
1/1 [=====] - 0s 96ms/step
>1641, dr[0.174,0.634], df[0.051,0.090], g[3.330,0.164]
1/1 [=====] - 0s 91ms/step
>1642, dr[0.087,0.404], df[0.063,0.068], g[3.250,0.323]
1/1 [=====] - 0s 78ms/step
>1643, dr[0.084,0.519], df[0.084,0.087], g[3.141,0.182]
1/1 [=====] - 0s 88ms/step
>1644, dr[0.160,0.827], df[0.107,0.113], g[3.029,0.103]
1/1 [=====] - 0s 79ms/step
>1645, dr[0.043,0.443], df[0.168,0.189], g[3.112,0.150]
1/1 [=====] - 0s 99ms/step
>1646, dr[0.052,0.661], df[0.089,0.182], g[3.560,0.195]
1/1 [=====] - 0s 95ms/step
>1647, dr[0.106,0.674], df[0.096,0.237], g[2.917,0.162]
1/1 [=====] - 0s 81ms/step
```

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>1648, dr[0.206,0.586], df[0.521,0.120], g[3.265,0.065]
1/1 [=====] - 0s 98ms/step
>1649, dr[0.057,0.428], df[0.156,0.122], g[3.276,0.092]
1/1 [=====] - 0s 78ms/step
>1650, dr[0.083,0.383], df[0.054,0.207], g[3.485,0.124]
1/1 [=====] - 0s 114ms/step
>1651, dr[0.147,0.406], df[0.094,0.222], g[3.322,0.202]
1/1 [=====] - 0s 91ms/step
>1652, dr[0.263,0.635], df[0.256,0.134], g[2.670,0.140]
1/1 [=====] - 0s 89ms/step
>1653, dr[0.080,0.628], df[0.265,0.095], g[3.015,0.170]
1/1 [=====] - 0s 101ms/step
>1654, dr[0.144,0.770], df[0.189,0.067], g[2.592,0.225]
1/1 [=====] - 0s 82ms/step
>1655, dr[0.120,0.601], df[0.117,0.041], g[3.040,0.210]
1/1 [=====] - 0s 88ms/step
>1656, dr[0.150,1.038], df[0.091,0.078], g[3.156,0.148]
1/1 [=====] - 0s 79ms/step
>1657, dr[0.235,0.791], df[0.297,0.145], g[2.432,0.147]
1/1 [=====] - 0s 76ms/step
>1658, dr[0.206,0.522], df[0.224,0.072], g[2.676,0.117]
1/1 [=====] - 0s 93ms/step
>1659, dr[0.039,0.447], df[0.340,0.107], g[3.098,0.169]
1/1 [=====] - 0s 77ms/step
>1660, dr[0.176,0.699], df[0.223,0.066], g[3.299,0.158]
1/1 [=====] - 0s 73ms/step
>1661, dr[0.092,0.760], df[0.172,0.023], g[4.081,0.147]
1/1 [=====] - 0s 74ms/step
>1662, dr[0.152,0.787], df[0.268,0.028], g[3.109,0.065]
1/1 [=====] - 0s 75ms/step
>1663, dr[0.357,0.423], df[0.469,0.065], g[2.456,0.056]
1/1 [=====] - 0s 85ms/step
>1664, dr[0.151,0.957], df[0.389,0.058], g[2.625,0.157]
1/1 [=====] - 0s 80ms/step
>1665, dr[0.407,0.616], df[0.853,0.076], g[2.223,0.104]
1/1 [=====] - 0s 85ms/step
>1666, dr[0.183,0.955], df[0.756,0.053], g[2.548,0.105]
1/1 [=====] - 0s 67ms/step
>1667, dr[0.344,0.303], df[0.699,0.085], g[2.241,0.084]
1/1 [=====] - 0s 84ms/step
>1668, dr[0.913,0.945], df[0.791,0.067], g[1.704,0.122]
1/1 [=====] - 0s 71ms/step
>1669, dr[0.264,0.859], df[0.800,0.106], g[2.272,0.072]
1/1 [=====] - 0s 83ms/step
>1670, dr[0.480,0.641], df[0.459,0.108], g[2.111,0.081]
1/1 [=====] - 0s 71ms/step
>1671, dr[0.306,0.527], df[0.902,0.031], g[2.149,0.063]
1/1 [=====] - 0s 76ms/step
>1672, dr[0.835,1.058], df[0.911,0.017], g[2.359,0.074]
1/1 [=====] - 0s 78ms/step
>1673, dr[0.335,0.708], df[0.294,0.038], g[2.008,0.154]
1/1 [=====] - 0s 71ms/step
>1674, dr[0.674,0.693], df[0.550,0.139], g[1.464,0.096]
1/1 [=====] - 0s 93ms/step
>1675, dr[0.395,0.571], df[0.675,0.115], g[1.835,0.090]
1/1 [=====] - 0s 69ms/step
>1676, dr[0.291,1.497], df[0.352,0.153], g[1.862,0.066]
1/1 [=====] - 0s 75ms/step
>1677, dr[0.690,0.964], df[0.463,0.145], g[1.784,0.089]
1/1 [=====] - 0s 81ms/step
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>1678, dr[0.617,0.501], df[0.595,0.109], g[1.728,0.107]
1/1 [=====] - 0s 78ms/step
>1679, dr[0.410,0.829], df[0.375,0.095], g[1.919,0.098]
1/1 [=====] - 0s 71ms/step
>1680, dr[0.257,0.777], df[0.338,0.200], g[2.139,0.082]
1/1 [=====] - 0s 73ms/step
>1681, dr[0.388,0.272], df[0.376,0.130], g[1.856,0.074]
1/1 [=====] - 0s 75ms/step
>1682, dr[1.028,1.275], df[1.029,0.029], g[0.707,0.129]
1/1 [=====] - 0s 71ms/step
>1683, dr[0.164,0.651], df[0.513,0.047], g[1.450,0.064]
1/1 [=====] - 0s 72ms/step
>1684, dr[0.308,0.773], df[0.503,0.038], g[2.139,0.089]
1/1 [=====] - 0s 71ms/step
>1685, dr[0.613,1.030], df[0.222,0.039], g[1.655,0.103]
1/1 [=====] - 0s 76ms/step
>1686, dr[0.754,0.777], df[0.714,0.076], g[0.984,0.090]
1/1 [=====] - 0s 68ms/step
>1687, dr[0.547,0.362], df[0.622,0.054], g[1.185,0.154]
1/1 [=====] - 0s 75ms/step
>1688, dr[0.325,0.526], df[0.590,0.162], g[1.884,0.108]
1/1 [=====] - 0s 73ms/step
>1689, dr[0.751,0.599], df[0.586,0.047], g[2.443,0.083]
1/1 [=====] - 0s 75ms/step
>1690, dr[0.459,0.850], df[0.298,0.061], g[1.740,0.183]
1/1 [=====] - 0s 72ms/step
>1691, dr[0.400,0.543], df[0.633,0.105], g[1.980,0.110]
1/1 [=====] - 0s 81ms/step
>1692, dr[0.401,0.593], df[0.318,0.060], g[2.020,0.103]
1/1 [=====] - 0s 178ms/step
>1693, dr[0.597,0.850], df[0.553,0.076], g[1.880,0.153]
1/1 [=====] - 0s 141ms/step
>1694, dr[0.734,0.263], df[0.419,0.118], g[2.072,0.167]
1/1 [=====] - 0s 107ms/step
>1695, dr[0.713,0.753], df[0.306,0.072], g[1.066,0.144]
1/1 [=====] - 0s 72ms/step
>1696, dr[0.307,0.710], df[0.586,0.140], g[1.467,0.196]
1/1 [=====] - 0s 69ms/step
>1697, dr[0.402,0.403], df[0.211,0.083], g[1.126,0.205]
1/1 [=====] - 0s 70ms/step
>1698, dr[0.644,0.936], df[0.666,0.070], g[1.306,0.097]
1/1 [=====] - 0s 68ms/step
>1699, dr[0.459,0.863], df[0.332,0.104], g[1.054,0.160]
1/1 [=====] - 0s 70ms/step
>1700, dr[0.270,0.543], df[0.428,0.071], g[1.235,0.215]
1/1 [=====] - 0s 73ms/step
>1701, dr[0.753,0.696], df[0.581,0.074], g[1.528,0.157]
1/1 [=====] - 0s 97ms/step
>1702, dr[0.631,0.561], df[0.723,0.085], g[1.720,0.147]
1/1 [=====] - 0s 68ms/step
>1703, dr[0.526,0.768], df[0.261,0.067], g[1.975,0.146]
1/1 [=====] - 0s 85ms/step
>1704, dr[0.579,0.675], df[0.348,0.178], g[1.860,0.183]
1/1 [=====] - 0s 72ms/step
>1705, dr[0.654,0.784], df[0.643,0.083], g[1.656,0.166]
1/1 [=====] - 0s 73ms/step
>1706, dr[0.337,0.697], df[0.259,0.164], g[2.309,0.078]
1/1 [=====] - 0s 69ms/step
>1707, dr[0.404,0.472], df[0.427,0.112], g[2.168,0.257]
1/1 [=====] - 0s 71ms/step
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>1708, dr[0.500,0.823], df[0.483,0.148], g[2.474,0.226]
1/1 [=====] - 0s 77ms/step
>1709, dr[0.274,0.776], df[0.445,0.180], g[2.502,0.169]
1/1 [=====] - 0s 69ms/step
>1710, dr[0.712,0.635], df[0.270,0.101], g[1.461,0.370]
1/1 [=====] - 0s 88ms/step
>1711, dr[0.487,0.460], df[0.482,0.076], g[1.911,0.139]
1/1 [=====] - 0s 74ms/step
>1712, dr[0.294,0.675], df[0.417,0.187], g[1.712,0.442]
1/1 [=====] - 0s 90ms/step
>1713, dr[0.802,0.901], df[0.250,0.108], g[1.178,0.188]
1/1 [=====] - 0s 75ms/step
>1714, dr[0.467,0.894], df[0.226,0.228], g[1.383,0.171]
1/1 [=====] - 0s 81ms/step
>1715, dr[0.385,0.490], df[0.487,0.124], g[1.465,0.175]
1/1 [=====] - 0s 76ms/step
>1716, dr[0.130,0.971], df[0.466,0.172], g[1.761,0.412]
1/1 [=====] - 0s 75ms/step
>1717, dr[0.512,0.543], df[0.118,0.096], g[1.698,0.151]
1/1 [=====] - 0s 72ms/step
>1718, dr[0.727,0.469], df[0.664,0.103], g[0.967,0.167]
1/1 [=====] - 0s 70ms/step
>1719, dr[0.613,0.712], df[0.816,0.184], g[1.848,0.181]
1/1 [=====] - 0s 73ms/step
>1720, dr[0.633,0.698], df[0.264,0.244], g[1.627,0.129]
1/1 [=====] - 0s 76ms/step
>1721, dr[0.156,0.604], df[0.711,0.230], g[3.222,0.276]
1/1 [=====] - 0s 71ms/step
>1722, dr[0.471,1.173], df[0.120,0.238], g[3.262,0.140]
1/1 [=====] - 0s 78ms/step
>1723, dr[0.308,0.577], df[0.300,0.171], g[3.013,0.147]
1/1 [=====] - 0s 73ms/step
>1724, dr[0.387,0.448], df[0.288,0.048], g[2.078,0.136]
1/1 [=====] - 0s 82ms/step
>1725, dr[0.268,0.586], df[0.368,0.143], g[2.003,0.223]
1/1 [=====] - 0s 74ms/step
>1726, dr[0.327,0.929], df[0.456,0.108], g[2.930,0.165]
1/1 [=====] - 0s 78ms/step
>1727, dr[0.392,0.962], df[0.435,0.167], g[2.898,0.149]
1/1 [=====] - 0s 74ms/step
>1728, dr[0.740,0.945], df[0.471,0.171], g[1.993,0.256]
1/1 [=====] - 0s 82ms/step
>1729, dr[0.575,1.011], df[0.451,0.235], g[2.143,0.174]
1/1 [=====] - 0s 76ms/step
>1730, dr[0.951,0.449], df[0.709,0.239], g[2.060,0.231]
1/1 [=====] - 0s 72ms/step
>1731, dr[0.557,0.726], df[0.681,0.184], g[2.291,0.247]
1/1 [=====] - 0s 73ms/step
>1732, dr[0.512,0.594], df[0.263,0.122], g[2.164,0.312]
1/1 [=====] - 0s 70ms/step
>1733, dr[0.195,0.530], df[0.259,0.056], g[2.396,0.121]
1/1 [=====] - 0s 75ms/step
>1734, dr[0.560,0.593], df[0.802,0.274], g[2.629,0.225]
1/1 [=====] - 0s 67ms/step
>1735, dr[0.302,0.686], df[0.222,0.123], g[2.519,0.228]
1/1 [=====] - 0s 74ms/step
>1736, dr[0.538,0.563], df[0.234,0.070], g[2.252,0.133]
1/1 [=====] - 0s 71ms/step
>1737, dr[0.555,0.870], df[0.637,0.138], g[1.835,0.123]
1/1 [=====] - 0s 71ms/step
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>1738, dr[0.385,0.654], df[0.729,0.106], g[2.251,0.220]
1/1 [=====] - 0s 67ms/step
>1739, dr[0.697,1.075], df[0.284,0.151], g[1.641,0.125]
1/1 [=====] - 0s 83ms/step
>1740, dr[0.561,0.576], df[0.555,0.118], g[1.720,0.092]
1/1 [=====] - 0s 84ms/step
>1741, dr[0.329,1.117], df[0.429,0.219], g[1.929,0.268]
1/1 [=====] - 0s 78ms/step
>1742, dr[0.243,0.503], df[0.348,0.106], g[2.779,0.187]
1/1 [=====] - 0s 83ms/step
>1743, dr[0.783,1.027], df[0.320,0.105], g[2.383,0.072]
1/1 [=====] - 0s 172ms/step
>1744, dr[0.195,0.372], df[0.408,0.309], g[2.486,0.111]
1/1 [=====] - 0s 81ms/step
>1745, dr[0.348,0.907], df[0.520,0.143], g[2.638,0.146]
1/1 [=====] - 0s 75ms/step
>1746, dr[0.694,0.530], df[0.416,0.080], g[2.330,0.145]
1/1 [=====] - 0s 79ms/step
>1747, dr[0.388,0.398], df[0.567,0.211], g[1.436,0.125]
1/1 [=====] - 0s 69ms/step
>1748, dr[0.411,0.820], df[0.716,0.195], g[2.606,0.201]
1/1 [=====] - 0s 79ms/step
>1749, dr[0.542,0.778], df[0.527,0.260], g[2.495,0.217]
1/1 [=====] - 0s 71ms/step
>1750, dr[0.828,0.752], df[0.540,0.164], g[2.387,0.383]
1/1 [=====] - 0s 81ms/step
>1751, dr[0.688,1.141], df[0.683,0.243], g[2.185,0.185]
1/1 [=====] - 0s 76ms/step
>1752, dr[0.449,0.655], df[0.425,0.210], g[1.890,0.153]
1/1 [=====] - 0s 70ms/step
>1753, dr[0.702,0.817], df[0.584,0.099], g[1.756,0.295]
1/1 [=====] - 0s 84ms/step
>1754, dr[0.627,0.561], df[0.619,0.080], g[2.725,0.177]
1/1 [=====] - 0s 72ms/step
>1755, dr[0.631,1.516], df[0.298,0.231], g[2.196,0.095]
1/1 [=====] - 0s 86ms/step
>1756, dr[0.353,0.504], df[0.466,0.091], g[2.342,0.084]
1/1 [=====] - 0s 77ms/step
>1757, dr[0.538,0.819], df[1.063,0.250], g[1.690,0.106]
1/1 [=====] - 0s 76ms/step
>1758, dr[0.868,0.573], df[0.841,0.129], g[1.506,0.252]
1/1 [=====] - 0s 73ms/step
>1759, dr[0.433,0.860], df[0.466,0.084], g[1.611,0.140]
1/1 [=====] - 0s 76ms/step
>1760, dr[0.673,0.692], df[0.863,0.234], g[1.494,0.083]
1/1 [=====] - 0s 80ms/step
>1761, dr[0.520,0.662], df[0.354,0.267], g[1.183,0.212]
1/1 [=====] - 0s 78ms/step
>1762, dr[0.443,0.788], df[0.620,0.141], g[1.883,0.091]
1/1 [=====] - 0s 82ms/step
>1763, dr[0.370,0.507], df[0.443,0.237], g[2.113,0.081]
1/1 [=====] - 0s 75ms/step
>1764, dr[0.426,0.590], df[0.668,0.118], g[1.907,0.251]
1/1 [=====] - 0s 91ms/step
>1765, dr[0.296,0.640], df[0.429,0.222], g[2.180,0.172]
1/1 [=====] - 0s 87ms/step
>1766, dr[0.276,0.974], df[0.245,0.080], g[2.446,0.136]
1/1 [=====] - 0s 112ms/step
>1767, dr[0.700,0.882], df[0.466,0.194], g[2.319,0.063]
1/1 [=====] - 0s 116ms/step
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>1768, dr[0.507,0.835], df[0.733,0.089], g[1.764,0.186]
1/1 [=====] - 0s 84ms/step
>1769, dr[0.386,0.857], df[0.422,0.338], g[2.155,0.185]
1/1 [=====] - 0s 81ms/step
>1770, dr[0.427,0.575], df[0.260,0.208], g[2.419,0.236]
1/1 [=====] - 0s 85ms/step
>1771, dr[1.140,0.463], df[0.416,0.163], g[1.914,0.180]
1/1 [=====] - 0s 79ms/step
>1772, dr[0.221,0.580], df[0.611,0.128], g[1.904,0.192]
1/1 [=====] - 0s 92ms/step
>1773, dr[0.273,0.595], df[0.337,0.110], g[2.743,0.136]
1/1 [=====] - 0s 106ms/step
>1774, dr[0.512,0.528], df[0.275,0.108], g[2.126,0.101]
1/1 [=====] - 0s 86ms/step
>1775, dr[0.476,0.886], df[0.167,0.282], g[2.290,0.111]
1/1 [=====] - 0s 99ms/step
>1776, dr[0.370,0.760], df[0.345,0.146], g[1.829,0.148]
1/1 [=====] - 0s 87ms/step
>1777, dr[0.669,0.431], df[0.490,0.044], g[1.349,0.123]
1/1 [=====] - 0s 92ms/step
>1778, dr[0.165,0.526], df[0.453,0.161], g[1.579,0.116]
1/1 [=====] - 0s 77ms/step
>1779, dr[0.356,0.987], df[0.889,0.368], g[2.570,0.165]
1/1 [=====] - 0s 78ms/step
>1780, dr[0.608,0.733], df[0.386,0.096], g[1.733,0.213]
1/1 [=====] - 0s 85ms/step
>1781, dr[0.385,0.663], df[0.334,0.176], g[1.876,0.073]
1/1 [=====] - 0s 83ms/step
>1782, dr[0.645,0.456], df[0.631,0.052], g[1.600,0.114]
1/1 [=====] - 0s 85ms/step
>1783, dr[0.425,0.606], df[0.485,0.155], g[1.507,0.098]
1/1 [=====] - 0s 87ms/step
>1784, dr[0.318,0.763], df[0.480,0.119], g[2.171,0.117]
1/1 [=====] - 0s 81ms/step
>1785, dr[0.371,0.667], df[0.343,0.094], g[1.690,0.159]
1/1 [=====] - 0s 78ms/step
>1786, dr[0.375,0.781], df[0.675,0.141], g[2.102,0.117]
1/1 [=====] - 0s 82ms/step
>1787, dr[0.498,1.416], df[0.269,0.100], g[1.873,0.192]
1/1 [=====] - 0s 113ms/step
>1788, dr[0.369,0.879], df[0.245,0.083], g[1.735,0.127]
1/1 [=====] - 0s 113ms/step
>1789, dr[0.473,0.787], df[0.680,0.192], g[1.704,0.307]
1/1 [=====] - 0s 90ms/step
>1790, dr[0.468,0.359], df[0.307,0.193], g[2.144,0.099]
1/1 [=====] - 0s 107ms/step
>1791, dr[0.495,0.775], df[0.444,0.085], g[1.964,0.138]
1/1 [=====] - 0s 101ms/step
>1792, dr[0.371,0.926], df[0.366,0.102], g[1.782,0.145]
1/1 [=====] - 0s 120ms/step
>1793, dr[0.306,0.223], df[0.333,0.112], g[1.889,0.166]
1/1 [=====] - 0s 203ms/step
>1794, dr[0.665,0.727], df[0.494,0.082], g[1.941,0.140]
1/1 [=====] - 0s 96ms/step
>1795, dr[0.658,0.671], df[1.142,0.211], g[1.733,0.224]
1/1 [=====] - 0s 154ms/step
>1796, dr[0.354,0.657], df[0.463,0.280], g[2.307,0.123]
1/1 [=====] - 0s 96ms/step
>1797, dr[0.726,0.876], df[0.355,0.154], g[1.687,0.229]
1/1 [=====] - 0s 97ms/step
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>1798, dr[0.441,0.641], df[0.334,0.223], g[1.754,0.173]
1/1 [=====] - 0s 122ms/step
>1799, dr[0.444,0.531], df[0.567,0.283], g[1.963,0.169]
1/1 [=====] - 0s 103ms/step
>1800, dr[0.393,0.561], df[0.416,0.290], g[1.742,0.117]
1/1 [=====] - 0s 94ms/step
>1801, dr[0.379,0.648], df[0.504,0.138], g[2.008,0.143]
1/1 [=====] - 0s 90ms/step
>1802, dr[0.684,0.776], df[0.843,0.301], g[2.118,0.069]
1/1 [=====] - 0s 93ms/step
>1803, dr[0.477,0.355], df[0.443,0.157], g[2.053,0.149]
1/1 [=====] - 0s 91ms/step
>1804, dr[0.765,0.783], df[0.562,0.126], g[2.167,0.122]
1/1 [=====] - 0s 91ms/step
>1805, dr[0.495,0.417], df[0.452,0.124], g[1.812,0.141]
1/1 [=====] - 0s 100ms/step
>1806, dr[0.410,0.404], df[0.450,0.100], g[2.399,0.109]
1/1 [=====] - 0s 88ms/step
>1807, dr[0.527,0.438], df[0.395,0.162], g[2.405,0.141]
1/1 [=====] - 0s 90ms/step
>1808, dr[0.890,0.620], df[0.530,0.200], g[1.635,0.136]
1/1 [=====] - 0s 88ms/step
>1809, dr[0.369,1.049], df[0.714,0.186], g[1.828,0.145]
1/1 [=====] - 0s 83ms/step
>1810, dr[0.443,0.883], df[0.342,0.083], g[2.142,0.172]
1/1 [=====] - 0s 93ms/step
>1811, dr[0.510,0.386], df[0.471,0.081], g[2.123,0.127]
1/1 [=====] - 0s 94ms/step
>1812, dr[0.461,0.868], df[0.426,0.138], g[2.118,0.070]
1/1 [=====] - 0s 84ms/step
>1813, dr[0.506,0.308], df[0.629,0.331], g[2.112,0.181]
1/1 [=====] - 0s 89ms/step
>1814, dr[0.479,0.416], df[0.303,0.125], g[2.262,0.141]
1/1 [=====] - 0s 82ms/step
>1815, dr[0.366,0.855], df[0.594,0.287], g[2.045,0.186]
1/1 [=====] - 0s 93ms/step
>1816, dr[0.499,0.659], df[0.362,0.072], g[2.310,0.162]
1/1 [=====] - 0s 92ms/step
>1817, dr[0.203,0.497], df[0.205,0.084], g[2.070,0.073]
1/1 [=====] - 0s 85ms/step
>1818, dr[0.353,0.317], df[0.313,0.272], g[2.339,0.132]
1/1 [=====] - 0s 89ms/step
>1819, dr[0.579,0.636], df[0.342,0.056], g[1.585,0.163]
1/1 [=====] - 0s 91ms/step
>1820, dr[0.371,0.618], df[0.619,0.193], g[2.100,0.190]
1/1 [=====] - 0s 84ms/step
>1821, dr[0.487,0.861], df[0.620,0.106], g[1.943,0.081]
1/1 [=====] - 0s 92ms/step
>1822, dr[0.638,0.626], df[0.359,0.048], g[1.955,0.166]
1/1 [=====] - 0s 96ms/step
>1823, dr[0.801,0.572], df[0.356,0.065], g[1.741,0.149]
1/1 [=====] - 0s 83ms/step
>1824, dr[0.444,0.549], df[0.849,0.186], g[2.246,0.087]
1/1 [=====] - 0s 93ms/step
>1825, dr[0.413,0.563], df[0.347,0.172], g[2.055,0.276]
1/1 [=====] - 0s 86ms/step
>1826, dr[0.462,0.796], df[0.353,0.159], g[2.078,0.164]
1/1 [=====] - 0s 100ms/step
>1827, dr[0.763,1.288], df[0.727,0.084], g[1.952,0.119]
1/1 [=====] - 0s 85ms/step
```

```
>1828, dr[0.543,0.469], df[0.593,0.098], g[2.079,0.264]
1/1 [=====] - 0s 94ms/step
>1829, dr[0.329,0.991], df[0.409,0.072], g[2.422,0.136]
1/1 [=====] - 0s 86ms/step
>1830, dr[0.661,0.511], df[0.366,0.198], g[1.993,0.131]
1/1 [=====] - 0s 102ms/step
>1831, dr[0.507,0.602], df[0.535,0.272], g[2.057,0.193]
1/1 [=====] - 0s 98ms/step
>1832, dr[0.501,0.555], df[0.305,0.138], g[1.753,0.151]
1/1 [=====] - 0s 92ms/step
>1833, dr[0.215,0.710], df[0.558,0.055], g[1.681,0.213]
1/1 [=====] - 0s 230ms/step
>1834, dr[0.742,0.369], df[0.600,0.113], g[1.528,0.111]
1/1 [=====] - 0s 97ms/step
>1835, dr[0.263,0.353], df[0.593,0.197], g[1.604,0.088]
1/1 [=====] - 0s 94ms/step
>1836, dr[0.374,0.873], df[0.337,0.315], g[2.118,0.163]
1/1 [=====] - 0s 101ms/step
>1837, dr[0.562,0.381], df[0.437,0.145], g[1.866,0.094]
1/1 [=====] - 0s 89ms/step
>1838, dr[0.365,1.849], df[0.396,0.121], g[1.991,0.110]
1/1 [=====] - 0s 89ms/step
>1839, dr[0.578,0.813], df[0.516,0.150], g[1.843,0.133]
1/1 [=====] - 0s 83ms/step
>1840, dr[0.501,0.677], df[0.402,0.092], g[1.535,0.173]
1/1 [=====] - 0s 94ms/step
>1841, dr[0.318,0.499], df[0.564,0.112], g[2.033,0.162]
1/1 [=====] - 0s 87ms/step
>1842, dr[0.518,0.762], df[0.491,0.121], g[1.620,0.175]
1/1 [=====] - 0s 84ms/step
>1843, dr[0.394,0.509], df[0.318,0.281], g[1.481,0.117]
1/1 [=====] - 0s 92ms/step
>1844, dr[0.474,0.467], df[0.239,0.034], g[1.233,0.160]
1/1 [=====] - 0s 101ms/step
>1845, dr[0.206,0.622], df[0.540,0.163], g[1.256,0.149]
1/1 [=====] - 0s 87ms/step
>1846, dr[0.334,1.084], df[0.366,0.083], g[1.496,0.124]
1/1 [=====] - 0s 89ms/step
>1847, dr[0.448,0.623], df[0.541,0.078], g[1.743,0.197]
1/1 [=====] - 0s 85ms/step
>1848, dr[0.623,0.604], df[0.336,0.322], g[0.896,0.103]
1/1 [=====] - 0s 84ms/step
>1849, dr[0.656,1.093], df[0.399,0.143], g[0.515,0.299]
1/1 [=====] - 0s 91ms/step
>1850, dr[0.161,0.606], df[0.712,0.091], g[1.419,0.253]
1/1 [=====] - 0s 86ms/step
>1851, dr[0.610,1.001], df[0.592,0.099], g[1.767,0.148]
1/1 [=====] - 0s 83ms/step
>1852, dr[0.392,0.877], df[0.558,0.420], g[2.003,0.229]
1/1 [=====] - 0s 88ms/step
>1853, dr[0.474,0.758], df[0.451,0.395], g[2.789,0.156]
1/1 [=====] - 0s 84ms/step
>1854, dr[0.500,0.730], df[0.159,0.108], g[2.318,0.228]
1/1 [=====] - 0s 90ms/step
>1855, dr[0.501,0.482], df[0.264,0.140], g[1.718,0.187]
1/1 [=====] - 0s 86ms/step
>1856, dr[0.406,0.630], df[0.752,0.323], g[1.514,0.146]
1/1 [=====] - 0s 86ms/step
>1857, dr[0.431,0.698], df[0.686,0.318], g[1.998,0.131]
1/1 [=====] - 0s 86ms/step
```

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>1858, dr[0.570,0.839], df[0.471,0.060], g[1.746,0.132]
1/1 [=====] - 0s 81ms/step
>1859, dr[0.392,1.119], df[0.660,0.177], g[2.065,0.095]
1/1 [=====] - 0s 90ms/step
>1860, dr[0.691,0.507], df[0.719,0.115], g[2.309,0.097]
1/1 [=====] - 0s 92ms/step
>1861, dr[0.373,0.364], df[0.536,0.111], g[2.123,0.111]
1/1 [=====] - 0s 87ms/step
>1862, dr[0.698,0.445], df[0.431,0.166], g[1.616,0.087]
1/1 [=====] - 0s 87ms/step
>1863, dr[0.390,0.520], df[0.383,0.063], g[1.926,0.088]
1/1 [=====] - 0s 80ms/step
>1864, dr[0.474,0.546], df[0.531,0.036], g[1.642,0.112]
1/1 [=====] - 0s 89ms/step
>1865, dr[0.439,1.016], df[0.656,0.064], g[1.793,0.107]
1/1 [=====] - 0s 89ms/step
>1866, dr[0.390,1.157], df[0.288,0.090], g[2.432,0.052]
1/1 [=====] - 0s 77ms/step
>1867, dr[0.370,0.722], df[0.180,0.062], g[1.724,0.054]
1/1 [=====] - 0s 81ms/step
>1868, dr[0.386,0.623], df[0.503,0.098], g[1.893,0.198]
1/1 [=====] - 0s 75ms/step
>1869, dr[0.241,0.817], df[0.331,0.050], g[2.136,0.137]
1/1 [=====] - 0s 78ms/step
>1870, dr[0.225,0.511], df[0.224,0.224], g[2.708,0.180]
1/1 [=====] - 0s 82ms/step
>1871, dr[0.509,0.835], df[0.342,0.134], g[1.957,0.098]
1/1 [=====] - 0s 76ms/step
>1872, dr[0.297,0.889], df[0.485,0.052], g[2.354,0.104]
1/1 [=====] - 0s 91ms/step
>1873, dr[0.428,0.786], df[0.281,0.171], g[2.076,0.107]
1/1 [=====] - 0s 81ms/step
>1874, dr[0.463,0.596], df[0.580,0.102], g[2.545,0.099]
4/4 [=====] - 0s 46ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 169ms/step
>1875, dr[0.598,1.055], df[0.685,0.152], g[2.370,0.045]
1/1 [=====] - 0s 147ms/step
>1876, dr[0.455,0.541], df[0.646,0.068], g[2.154,0.060]
1/1 [=====] - 0s 169ms/step
>1877, dr[0.608,0.712], df[0.705,0.049], g[1.922,0.088]
1/1 [=====] - 0s 242ms/step
>1878, dr[0.605,0.523], df[0.611,0.179], g[1.496,0.076]
1/1 [=====] - 0s 105ms/step
>1879, dr[0.408,1.028], df[0.615,0.147], g[1.482,0.074]
1/1 [=====] - 0s 90ms/step
>1880, dr[0.385,0.617], df[0.616,0.171], g[1.415,0.050]
1/1 [=====] - 0s 97ms/step
>1881, dr[0.644,0.428], df[0.660,0.112], g[1.572,0.117]
1/1 [=====] - 0s 88ms/step
>1882, dr[0.503,0.571], df[0.563,0.046], g[1.567,0.082]
1/1 [=====] - 0s 93ms/step
>1883, dr[0.521,0.541], df[0.515,0.047], g[1.546,0.124]
1/1 [=====] - 0s 94ms/step
>1884, dr[0.402,0.530], df[0.333,0.085], g[2.026,0.089]
1/1 [=====] - 0s 82ms/step
>1885, dr[0.462,0.496], df[0.666,0.057], g[1.418,0.071]
1/1 [=====] - 0s 88ms/step

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>1886, dr[0.258,0.941], df[0.598,0.070], g[2.085,0.179]
1/1 [=====] - 0s 96ms/step
>1887, dr[1.030,0.529], df[0.329,0.037], g[1.412,0.068]
1/1 [=====] - 0s 124ms/step
>1888, dr[0.247,0.762], df[0.755,0.301], g[1.764,0.110]
1/1 [=====] - 0s 80ms/step
>1889, dr[0.613,0.730], df[0.363,0.129], g[2.184,0.188]
1/1 [=====] - 0s 82ms/step
>1890, dr[0.671,0.611], df[0.537,0.037], g[1.701,0.126]
1/1 [=====] - 0s 71ms/step
>1891, dr[0.456,1.113], df[0.459,0.133], g[1.675,0.101]
1/1 [=====] - 0s 71ms/step
>1892, dr[0.398,0.682], df[0.454,0.175], g[2.113,0.152]
1/1 [=====] - 0s 80ms/step
>1893, dr[0.291,0.598], df[0.505,0.067], g[2.163,0.160]
1/1 [=====] - 0s 81ms/step
>1894, dr[0.646,0.766], df[0.338,0.047], g[1.880,0.158]
1/1 [=====] - 0s 91ms/step
>1895, dr[0.404,0.495], df[0.407,0.047], g[2.086,0.072]
1/1 [=====] - 0s 75ms/step
>1896, dr[0.486,0.877], df[0.460,0.067], g[1.758,0.057]
1/1 [=====] - 0s 81ms/step
>1897, dr[0.347,0.746], df[0.544,0.067], g[1.898,0.140]
1/1 [=====] - 0s 88ms/step
>1898, dr[0.453,0.381], df[0.365,0.208], g[2.012,0.097]
1/1 [=====] - 0s 80ms/step
>1899, dr[0.568,0.741], df[0.222,0.111], g[1.625,0.160]
1/1 [=====] - 0s 83ms/step
>1900, dr[0.409,1.108], df[0.512,0.116], g[1.623,0.093]
1/1 [=====] - 0s 94ms/step
>1901, dr[0.499,0.641], df[0.514,0.068], g[1.697,0.114]
1/1 [=====] - 0s 75ms/step
>1902, dr[0.370,0.618], df[0.360,0.175], g[1.664,0.071]
1/1 [=====] - 0s 81ms/step
>1903, dr[0.277,1.013], df[0.443,0.176], g[1.811,0.140]
1/1 [=====] - 0s 78ms/step
>1904, dr[0.420,0.778], df[0.549,0.150], g[1.717,0.069]
1/1 [=====] - 0s 85ms/step
>1905, dr[0.327,1.049], df[0.369,0.128], g[2.051,0.077]
1/1 [=====] - 0s 86ms/step
>1906, dr[0.423,0.641], df[0.458,0.041], g[2.213,0.095]
1/1 [=====] - 0s 76ms/step
>1907, dr[0.660,0.425], df[0.788,0.125], g[2.131,0.073]
1/1 [=====] - 0s 79ms/step
>1908, dr[0.339,0.873], df[0.458,0.070], g[2.170,0.058]
1/1 [=====] - 0s 85ms/step
>1909, dr[0.519,0.525], df[0.714,0.278], g[1.841,0.095]
1/1 [=====] - 0s 102ms/step
>1910, dr[0.645,0.687], df[0.611,0.048], g[2.063,0.114]
1/1 [=====] - 0s 89ms/step
>1911, dr[0.564,0.346], df[0.674,0.074], g[2.631,0.052]
1/1 [=====] - 0s 86ms/step
>1912, dr[0.654,0.947], df[0.404,0.089], g[2.302,0.096]
1/1 [=====] - 0s 108ms/step
>1913, dr[0.423,0.937], df[0.337,0.053], g[1.868,0.135]
1/1 [=====] - 0s 85ms/step
>1914, dr[0.331,0.794], df[0.726,0.126], g[1.883,0.127]
1/1 [=====] - 0s 79ms/step
>1915, dr[0.496,1.003], df[0.479,0.141], g[1.856,0.061]
1/1 [=====] - 0s 91ms/step
```

```
>1916, dr[0.417,0.443], df[0.465,0.087], g[1.941,0.091]
1/1 [=====] - 0s 78ms/step
>1917, dr[0.489,0.743], df[0.412,0.064], g[1.722,0.055]
1/1 [=====] - 0s 88ms/step
>1918, dr[0.576,0.862], df[0.526,0.159], g[1.681,0.104]
1/1 [=====] - 0s 89ms/step
>1919, dr[0.426,0.881], df[0.660,0.033], g[2.190,0.043]
1/1 [=====] - 0s 84ms/step
>1920, dr[0.737,0.514], df[0.573,0.062], g[1.978,0.144]
1/1 [=====] - 0s 75ms/step
>1921, dr[0.434,0.705], df[0.341,0.057], g[2.273,0.083]
1/1 [=====] - 0s 87ms/step
>1922, dr[0.403,0.606], df[0.444,0.119], g[2.634,0.183]
1/1 [=====] - 0s 82ms/step
>1923, dr[0.706,1.453], df[0.407,0.203], g[2.267,0.134]
1/1 [=====] - 0s 74ms/step
>1924, dr[0.267,0.513], df[0.238,0.109], g[2.189,0.064]
1/1 [=====] - 0s 77ms/step
>1925, dr[0.590,0.686], df[0.361,0.111], g[1.724,0.250]
1/1 [=====] - 0s 72ms/step
>1926, dr[0.649,0.531], df[0.389,0.128], g[1.858,0.192]
1/1 [=====] - 0s 85ms/step
>1927, dr[0.226,0.349], df[0.372,0.177], g[2.057,0.070]
1/1 [=====] - 0s 75ms/step
>1928, dr[0.397,0.767], df[0.364,0.073], g[1.905,0.115]
1/1 [=====] - 0s 88ms/step
>1929, dr[0.491,0.489], df[0.394,0.240], g[1.703,0.084]
1/1 [=====] - 0s 82ms/step
>1930, dr[0.261,0.613], df[0.338,0.262], g[2.384,0.115]
1/1 [=====] - 0s 74ms/step
>1931, dr[0.927,0.780], df[0.404,0.035], g[1.711,0.087]
1/1 [=====] - 0s 82ms/step
>1932, dr[0.299,0.445], df[0.361,0.097], g[1.636,0.152]
1/1 [=====] - 0s 105ms/step
>1933, dr[0.548,0.580], df[0.784,0.243], g[1.597,0.081]
1/1 [=====] - 0s 74ms/step
>1934, dr[0.411,0.609], df[0.380,0.121], g[1.891,0.257]
1/1 [=====] - 0s 69ms/step
>1935, dr[0.494,0.978], df[0.531,0.192], g[1.925,0.173]
1/1 [=====] - 0s 75ms/step
>1936, dr[0.384,0.506], df[0.488,0.048], g[2.207,0.082]
1/1 [=====] - 0s 87ms/step
>1937, dr[0.515,0.683], df[0.403,0.222], g[1.907,0.087]
1/1 [=====] - 0s 81ms/step
>1938, dr[0.282,0.318], df[0.833,0.071], g[2.069,0.055]
1/1 [=====] - 0s 79ms/step
>1939, dr[0.451,0.503], df[0.577,0.069], g[2.616,0.124]
1/1 [=====] - 0s 77ms/step
>1940, dr[0.555,0.544], df[0.294,0.145], g[2.175,0.104]
1/1 [=====] - 0s 76ms/step
>1941, dr[0.705,0.738], df[0.521,0.134], g[2.237,0.073]
1/1 [=====] - 0s 79ms/step
>1942, dr[0.452,0.796], df[0.863,0.185], g[2.173,0.148]
1/1 [=====] - 0s 84ms/step
>1943, dr[0.500,0.843], df[0.336,0.075], g[2.335,0.110]
1/1 [=====] - 0s 80ms/step
>1944, dr[0.459,0.706], df[0.269,0.332], g[1.798,0.072]
1/1 [=====] - 0s 81ms/step
>1945, dr[0.337,1.388], df[0.300,0.180], g[1.699,0.201]
1/1 [=====] - 0s 75ms/step
```

```
>1946, dr[0.254,0.632], df[0.363,0.223], g[1.941,0.220]
1/1 [=====] - 0s 79ms/step
>1947, dr[0.464,0.573], df[0.560,0.227], g[2.197,0.168]
1/1 [=====] - 0s 77ms/step
>1948, dr[0.282,0.880], df[0.434,0.121], g[2.315,0.080]
1/1 [=====] - 0s 85ms/step
>1949, dr[0.759,0.297], df[0.542,0.120], g[1.825,0.124]
1/1 [=====] - 0s 82ms/step
>1950, dr[0.546,0.286], df[0.555,0.150], g[2.001,0.118]
1/1 [=====] - 0s 70ms/step
>1951, dr[0.700,0.718], df[0.533,0.222], g[1.822,0.152]
1/1 [=====] - 0s 81ms/step
>1952, dr[0.946,0.960], df[0.628,0.113], g[1.789,0.136]
1/1 [=====] - 0s 77ms/step
>1953, dr[0.281,0.512], df[0.285,0.066], g[1.454,0.129]
1/1 [=====] - 0s 105ms/step
>1954, dr[0.317,0.978], df[0.762,0.258], g[1.945,0.134]
1/1 [=====] - 0s 81ms/step
>1955, dr[0.516,0.759], df[0.415,0.232], g[2.278,0.131]
1/1 [=====] - 0s 82ms/step
>1956, dr[0.678,0.472], df[0.924,0.280], g[2.158,0.069]
1/1 [=====] - 0s 83ms/step
>1957, dr[0.447,0.653], df[0.520,0.138], g[2.614,0.120]
1/1 [=====] - 0s 89ms/step
>1958, dr[0.908,0.660], df[0.503,0.132], g[2.186,0.133]
1/1 [=====] - 0s 107ms/step
>1959, dr[0.495,0.499], df[0.433,0.069], g[2.083,0.107]
1/1 [=====] - 0s 82ms/step
>1960, dr[0.361,1.129], df[0.559,0.087], g[2.228,0.082]
1/1 [=====] - 0s 172ms/step
>1961, dr[0.925,0.772], df[0.392,0.110], g[2.012,0.105]
1/1 [=====] - 0s 83ms/step
>1962, dr[0.267,0.651], df[0.675,0.112], g[1.946,0.083]
1/1 [=====] - 0s 83ms/step
>1963, dr[0.467,0.790], df[0.569,0.038], g[2.188,0.087]
1/1 [=====] - 0s 79ms/step
>1964, dr[0.654,0.627], df[0.541,0.160], g[2.252,0.149]
1/1 [=====] - 0s 84ms/step
>1965, dr[0.284,0.661], df[0.404,0.079], g[2.418,0.137]
1/1 [=====] - 0s 87ms/step
>1966, dr[0.443,0.789], df[0.265,0.125], g[2.347,0.212]
1/1 [=====] - 0s 81ms/step
>1967, dr[0.484,0.331], df[0.540,0.133], g[2.126,0.108]
1/1 [=====] - 0s 83ms/step
>1968, dr[0.319,0.804], df[0.428,0.094], g[1.912,0.182]
1/1 [=====] - 0s 82ms/step
>1969, dr[0.576,0.686], df[0.401,0.286], g[2.090,0.247]
1/1 [=====] - 0s 80ms/step
>1970, dr[0.307,0.422], df[0.342,0.137], g[2.184,0.070]
1/1 [=====] - 0s 82ms/step
>1971, dr[0.448,0.554], df[0.573,0.278], g[2.419,0.064]
1/1 [=====] - 0s 73ms/step
>1972, dr[0.707,0.649], df[0.388,0.128], g[1.632,0.154]
1/1 [=====] - 0s 78ms/step
>1973, dr[0.257,0.330], df[0.529,0.076], g[1.893,0.119]
1/1 [=====] - 0s 74ms/step
>1974, dr[0.497,0.771], df[0.355,0.224], g[1.482,0.230]
1/1 [=====] - 0s 81ms/step
>1975, dr[0.353,0.539], df[0.409,0.230], g[1.970,0.134]
1/1 [=====] - 0s 81ms/step
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>1976, dr[0.146,0.398], df[0.540,0.149], g[2.124,0.088]
1/1 [=====] - 0s 81ms/step
>1977, dr[0.505,0.839], df[0.314,0.083], g[2.625,0.163]
1/1 [=====] - 0s 80ms/step
>1978, dr[0.631,0.772], df[0.242,0.063], g[1.829,0.139]
1/1 [=====] - 0s 82ms/step
>1979, dr[0.257,0.503], df[0.499,0.129], g[2.063,0.151]
1/1 [=====] - 0s 73ms/step
>1980, dr[0.395,0.678], df[0.429,0.180], g[2.268,0.235]
1/1 [=====] - 0s 74ms/step
>1981, dr[0.264,0.623], df[0.243,0.091], g[2.045,0.140]
1/1 [=====] - 0s 78ms/step
>1982, dr[0.326,0.557], df[0.280,0.270], g[1.969,0.108]
1/1 [=====] - 0s 75ms/step
>1983, dr[0.533,0.519], df[0.536,0.366], g[1.860,0.231]
1/1 [=====] - 0s 71ms/step
>1984, dr[0.335,1.107], df[0.182,0.088], g[2.114,0.078]
1/1 [=====] - 0s 83ms/step
>1985, dr[0.447,0.805], df[0.541,0.186], g[2.141,0.123]
1/1 [=====] - 0s 85ms/step
>1986, dr[0.807,0.468], df[0.605,0.333], g[1.885,0.197]
1/1 [=====] - 0s 81ms/step
>1987, dr[0.214,0.671], df[0.604,0.220], g[2.263,0.277]
1/1 [=====] - 0s 76ms/step
>1988, dr[0.500,0.383], df[0.265,0.092], g[2.315,0.116]
1/1 [=====] - 0s 72ms/step
>1989, dr[0.592,0.938], df[0.260,0.093], g[2.094,0.183]
1/1 [=====] - 0s 83ms/step
>1990, dr[0.370,1.207], df[0.600,0.080], g[2.407,0.079]
1/1 [=====] - 0s 80ms/step
>1991, dr[0.460,0.602], df[0.401,0.104], g[1.755,0.055]
1/1 [=====] - 0s 78ms/step
>1992, dr[0.529,0.626], df[0.671,0.081], g[1.645,0.129]
1/1 [=====] - 0s 76ms/step
>1993, dr[0.596,0.612], df[0.887,0.076], g[1.732,0.160]
1/1 [=====] - 0s 77ms/step
>1994, dr[0.474,1.370], df[0.658,0.071], g[1.987,0.112]
1/1 [=====] - 0s 83ms/step
>1995, dr[0.644,0.782], df[0.518,0.062], g[1.537,0.088]
1/1 [=====] - 0s 78ms/step
>1996, dr[0.463,0.338], df[0.465,0.259], g[1.811,0.143]
1/1 [=====] - 0s 71ms/step
>1997, dr[0.361,0.564], df[0.371,0.115], g[1.572,0.071]
1/1 [=====] - 0s 77ms/step
>1998, dr[0.296,0.771], df[0.367,0.152], g[2.169,0.104]
1/1 [=====] - 0s 77ms/step
>1999, dr[0.376,0.905], df[0.551,0.061], g[1.916,0.115]
1/1 [=====] - 0s 73ms/step
>2000, dr[0.300,0.602], df[0.389,0.066], g[2.451,0.129]
1/1 [=====] - 0s 78ms/step
>2001, dr[0.994,0.667], df[0.302,0.097], g[1.814,0.126]
1/1 [=====] - 0s 81ms/step
>2002, dr[0.221,1.135], df[0.386,0.153], g[1.930,0.103]
1/1 [=====] - 0s 74ms/step
>2003, dr[0.210,0.597], df[0.219,0.047], g[2.021,0.086]
1/1 [=====] - 0s 82ms/step
>2004, dr[0.275,0.602], df[0.526,0.105], g[2.134,0.210]
1/1 [=====] - 0s 104ms/step
>2005, dr[0.578,0.952], df[0.322,0.091], g[1.768,0.101]
1/1 [=====] - 0s 83ms/step
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>2006, dr[0.396,0.547], df[0.677,0.127], g[1.991,0.174]
1/1 [=====] - 0s 79ms/step
>2007, dr[0.470,0.540], df[0.400,0.247], g[1.848,0.092]
1/1 [=====] - 0s 82ms/step
>2008, dr[0.599,0.943], df[0.273,0.188], g[1.565,0.162]
1/1 [=====] - 0s 112ms/step
>2009, dr[0.655,1.136], df[0.598,0.135], g[1.247,0.176]
1/1 [=====] - 0s 80ms/step
>2010, dr[0.206,0.697], df[0.631,0.131], g[1.922,0.081]
1/1 [=====] - 0s 74ms/step
>2011, dr[0.512,0.650], df[0.695,0.271], g[2.651,0.069]
1/1 [=====] - 0s 70ms/step
>2012, dr[0.476,0.787], df[0.433,0.083], g[2.491,0.125]
1/1 [=====] - 0s 85ms/step
>2013, dr[0.555,0.512], df[0.294,0.107], g[2.334,0.094]
1/1 [=====] - 0s 80ms/step
>2014, dr[0.500,0.389], df[0.472,0.139], g[2.274,0.149]
1/1 [=====] - 0s 79ms/step
>2015, dr[0.460,0.472], df[0.547,0.042], g[2.544,0.180]
1/1 [=====] - 0s 76ms/step
>2016, dr[0.446,0.354], df[0.454,0.248], g[2.450,0.107]
1/1 [=====] - 0s 101ms/step
>2017, dr[0.351,0.676], df[0.421,0.259], g[2.588,0.107]
1/1 [=====] - 0s 137ms/step
>2018, dr[0.691,0.664], df[0.420,0.171], g[2.534,0.078]
1/1 [=====] - 0s 121ms/step
>2019, dr[0.226,0.516], df[0.207,0.045], g[2.681,0.080]
1/1 [=====] - 0s 82ms/step
>2020, dr[0.195,0.416], df[0.464,0.191], g[2.087,0.092]
1/1 [=====] - 0s 75ms/step
>2021, dr[0.553,0.393], df[0.553,0.184], g[1.981,0.184]
1/1 [=====] - 0s 85ms/step
>2022, dr[0.346,0.127], df[0.375,0.118], g[2.434,0.189]
1/1 [=====] - 0s 86ms/step
>2023, dr[0.547,0.923], df[0.444,0.055], g[1.934,0.080]
1/1 [=====] - 0s 80ms/step
>2024, dr[0.299,1.066], df[0.360,0.126], g[2.164,0.132]
1/1 [=====] - 0s 77ms/step
>2025, dr[0.645,0.360], df[0.286,0.207], g[1.761,0.225]
1/1 [=====] - 0s 103ms/step
>2026, dr[0.293,0.934], df[0.702,0.247], g[2.219,0.169]
1/1 [=====] - 0s 70ms/step
>2027, dr[0.357,0.708], df[0.187,0.066], g[2.122,0.108]
1/1 [=====] - 0s 98ms/step
>2028, dr[0.474,0.946], df[0.374,0.083], g[2.036,0.195]
1/1 [=====] - 0s 83ms/step
>2029, dr[0.588,0.473], df[0.520,0.059], g[2.127,0.173]
1/1 [=====] - 0s 75ms/step
>2030, dr[0.385,0.569], df[0.436,0.152], g[1.934,0.104]
1/1 [=====] - 0s 79ms/step
>2031, dr[0.456,0.467], df[0.511,0.318], g[2.066,0.094]
1/1 [=====] - 0s 84ms/step
>2032, dr[0.464,0.496], df[0.381,0.231], g[1.892,0.182]
1/1 [=====] - 0s 76ms/step
>2033, dr[0.372,0.540], df[0.690,0.090], g[2.030,0.114]
1/1 [=====] - 0s 91ms/step
>2034, dr[0.547,0.250], df[0.368,0.174], g[2.163,0.110]
1/1 [=====] - 0s 76ms/step
>2035, dr[0.464,0.785], df[0.509,0.263], g[1.857,0.084]
1/1 [=====] - 0s 83ms/step
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>2036, dr[0.430,0.883], df[0.582,0.216], g[1.985,0.100]
1/1 [=====] - 0s 89ms/step
>2037, dr[0.512,0.925], df[0.356,0.204], g[1.516,0.139]
1/1 [=====] - 0s 81ms/step
>2038, dr[0.345,0.635], df[0.490,0.146], g[2.078,0.104]
1/1 [=====] - 0s 103ms/step
>2039, dr[0.240,0.849], df[0.398,0.202], g[2.358,0.087]
1/1 [=====] - 0s 93ms/step
>2040, dr[1.063,0.572], df[0.185,0.032], g[1.695,0.078]
1/1 [=====] - 0s 99ms/step
>2041, dr[0.182,0.260], df[0.372,0.190], g[1.844,0.140]
1/1 [=====] - 0s 89ms/step
>2042, dr[0.376,0.821], df[0.277,0.082], g[1.954,0.186]
1/1 [=====] - 0s 76ms/step
>2043, dr[0.298,0.556], df[0.875,0.243], g[2.525,0.075]
1/1 [=====] - 0s 97ms/step
>2044, dr[0.564,0.414], df[0.358,0.143], g[2.068,0.209]
1/1 [=====] - 0s 74ms/step
>2045, dr[0.403,0.737], df[0.403,0.189], g[2.473,0.085]
1/1 [=====] - 0s 80ms/step
>2046, dr[0.536,0.517], df[0.369,0.071], g[1.771,0.163]
1/1 [=====] - 0s 104ms/step
>2047, dr[0.338,0.290], df[0.510,0.158], g[1.846,0.154]
1/1 [=====] - 0s 90ms/step
>2048, dr[0.440,0.924], df[0.439,0.136], g[2.082,0.069]
1/1 [=====] - 0s 81ms/step
>2049, dr[0.396,0.752], df[0.420,0.148], g[1.862,0.164]
1/1 [=====] - 0s 86ms/step
>2050, dr[0.605,1.281], df[0.605,0.073], g[1.596,0.118]
1/1 [=====] - 0s 88ms/step
>2051, dr[0.324,0.542], df[0.409,0.113], g[1.953,0.091]
1/1 [=====] - 0s 84ms/step
>2052, dr[0.322,0.531], df[0.380,0.095], g[2.146,0.112]
1/1 [=====] - 0s 80ms/step
>2053, dr[0.269,0.525], df[0.238,0.076], g[2.311,0.094]
1/1 [=====] - 0s 89ms/step
>2054, dr[0.543,0.851], df[0.402,0.217], g[2.162,0.138]
1/1 [=====] - 0s 78ms/step
>2055, dr[0.507,0.733], df[0.679,0.224], g[1.872,0.196]
1/1 [=====] - 0s 84ms/step
>2056, dr[0.235,0.810], df[0.559,0.174], g[3.078,0.118]
1/1 [=====] - 0s 71ms/step
>2057, dr[0.792,0.953], df[0.229,0.169], g[2.363,0.174]
1/1 [=====] - 0s 81ms/step
>2058, dr[0.896,0.413], df[0.503,0.199], g[1.633,0.152]
1/1 [=====] - 0s 84ms/step
>2059, dr[0.550,0.537], df[0.773,0.031], g[1.558,0.185]
1/1 [=====] - 0s 75ms/step
>2060, dr[0.196,0.652], df[0.590,0.105], g[2.426,0.086]
1/1 [=====] - 0s 77ms/step
>2061, dr[0.471,0.595], df[0.353,0.234], g[2.270,0.126]
1/1 [=====] - 0s 72ms/step
>2062, dr[0.472,0.531], df[0.328,0.102], g[2.150,0.203]
1/1 [=====] - 0s 80ms/step
>2063, dr[0.492,1.035], df[0.615,0.222], g[1.795,0.087]
1/1 [=====] - 0s 76ms/step
>2064, dr[0.500,0.590], df[0.475,0.085], g[1.864,0.146]
1/1 [=====] - 0s 80ms/step
>2065, dr[0.423,0.753], df[0.536,0.053], g[2.163,0.139]
1/1 [=====] - 0s 74ms/step
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>2066, dr[0.428,0.807], df[0.463,0.139], g[1.691,0.183]
1/1 [=====] - 0s 89ms/step
>2067, dr[0.279,0.873], df[0.566,0.070], g[2.616,0.119]
1/1 [=====] - 0s 78ms/step
>2068, dr[0.841,0.435], df[0.430,0.119], g[1.750,0.106]
1/1 [=====] - 0s 82ms/step
>2069, dr[0.386,0.645], df[0.541,0.068], g[1.660,0.130]
1/1 [=====] - 0s 73ms/step
>2070, dr[0.365,0.535], df[0.266,0.133], g[1.855,0.138]
1/1 [=====] - 0s 71ms/step
>2071, dr[0.364,0.411], df[0.700,0.064], g[2.098,0.050]
1/1 [=====] - 0s 84ms/step
>2072, dr[0.370,0.673], df[0.550,0.042], g[2.260,0.087]
1/1 [=====] - 0s 76ms/step
>2073, dr[0.618,0.924], df[0.292,0.087], g[1.840,0.120]
1/1 [=====] - 0s 75ms/step
>2074, dr[0.621,1.034], df[0.626,0.233], g[1.745,0.105]
1/1 [=====] - 0s 84ms/step
>2075, dr[0.339,0.440], df[0.279,0.109], g[1.931,0.083]
1/1 [=====] - 0s 78ms/step
>2076, dr[0.345,0.758], df[0.532,0.148], g[2.560,0.119]
1/1 [=====] - 0s 86ms/step
>2077, dr[0.498,0.687], df[0.440,0.239], g[2.152,0.072]
1/1 [=====] - 0s 125ms/step
>2078, dr[0.443,0.589], df[0.312,0.184], g[2.109,0.092]
1/1 [=====] - 0s 77ms/step
>2079, dr[0.451,0.760], df[0.321,0.047], g[2.084,0.188]
1/1 [=====] - 0s 81ms/step
>2080, dr[0.554,0.545], df[0.434,0.027], g[1.653,0.184]
1/1 [=====] - 0s 78ms/step
>2081, dr[0.383,0.419], df[0.422,0.153], g[1.716,0.159]
1/1 [=====] - 0s 84ms/step
>2082, dr[0.351,0.866], df[0.498,0.181], g[2.257,0.089]
1/1 [=====] - 0s 87ms/step
>2083, dr[0.379,1.213], df[0.251,0.063], g[2.257,0.108]
1/1 [=====] - 0s 80ms/step
>2084, dr[0.483,0.354], df[0.389,0.089], g[1.832,0.114]
1/1 [=====] - 0s 362ms/step
>2085, dr[0.345,0.578], df[0.440,0.161], g[2.158,0.189]
1/1 [=====] - 0s 87ms/step
>2086, dr[0.331,0.525], df[0.363,0.114], g[2.751,0.221]
1/1 [=====] - 0s 102ms/step
>2087, dr[0.492,0.371], df[0.444,0.301], g[2.199,0.109]
1/1 [=====] - 0s 77ms/step
>2088, dr[0.393,0.458], df[0.402,0.086], g[2.323,0.083]
1/1 [=====] - 0s 69ms/step
>2089, dr[0.417,0.609], df[0.369,0.255], g[2.286,0.148]
1/1 [=====] - 0s 71ms/step
>2090, dr[0.339,0.801], df[0.377,0.089], g[2.307,0.057]
1/1 [=====] - 0s 71ms/step
>2091, dr[0.272,0.823], df[0.505,0.086], g[2.528,0.120]
1/1 [=====] - 0s 83ms/step
>2092, dr[0.394,0.286], df[0.475,0.343], g[2.436,0.109]
1/1 [=====] - 0s 93ms/step
>2093, dr[0.399,0.363], df[0.336,0.180], g[2.538,0.068]
1/1 [=====] - 0s 82ms/step
>2094, dr[0.586,0.798], df[0.498,0.231], g[2.507,0.094]
1/1 [=====] - 0s 80ms/step
>2095, dr[0.522,0.809], df[0.632,0.150], g[1.903,0.210]
1/1 [=====] - 0s 74ms/step
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>2096, dr[0.241,0.809], df[0.583,0.226], g[2.176,0.124]
1/1 [=====] - 0s 79ms/step
>2097, dr[0.728,1.056], df[0.361,0.164], g[1.912,0.259]
1/1 [=====] - 0s 79ms/step
>2098, dr[0.491,1.140], df[0.666,0.105], g[2.100,0.151]
1/1 [=====] - 0s 90ms/step
>2099, dr[0.235,0.339], df[0.378,0.162], g[2.453,0.107]
1/1 [=====] - 0s 78ms/step
>2100, dr[0.381,0.414], df[0.247,0.230], g[2.258,0.256]
1/1 [=====] - 0s 78ms/step
>2101, dr[0.438,1.485], df[0.411,0.082], g[1.982,0.077]
1/1 [=====] - 0s 75ms/step
>2102, dr[0.438,0.489], df[0.407,0.064], g[2.121,0.119]
1/1 [=====] - 0s 73ms/step
>2103, dr[0.417,0.910], df[0.578,0.113], g[1.980,0.080]
1/1 [=====] - 0s 73ms/step
>2104, dr[0.481,0.972], df[0.304,0.093], g[1.800,0.102]
1/1 [=====] - 0s 80ms/step
>2105, dr[0.574,0.857], df[0.545,0.091], g[1.786,0.056]
1/1 [=====] - 0s 74ms/step
>2106, dr[0.346,0.471], df[0.619,0.137], g[2.060,0.106]
1/1 [=====] - 0s 94ms/step
>2107, dr[0.169,0.542], df[0.434,0.086], g[2.560,0.179]
1/1 [=====] - 0s 87ms/step
>2108, dr[0.611,0.512], df[0.239,0.245], g[1.912,0.103]
1/1 [=====] - 0s 86ms/step
>2109, dr[0.397,0.472], df[0.569,0.223], g[1.534,0.159]
1/1 [=====] - 0s 85ms/step
>2110, dr[0.230,0.374], df[0.688,0.141], g[2.111,0.079]
1/1 [=====] - 0s 93ms/step
>2111, dr[0.497,0.589], df[0.348,0.083], g[2.196,0.168]
1/1 [=====] - 0s 70ms/step
>2112, dr[0.815,0.424], df[0.458,0.073], g[1.648,0.156]
1/1 [=====] - 0s 100ms/step
>2113, dr[0.232,0.651], df[0.529,0.144], g[2.112,0.145]
1/1 [=====] - 0s 69ms/step
>2114, dr[0.395,0.456], df[0.263,0.189], g[2.077,0.130]
1/1 [=====] - 0s 69ms/step
>2115, dr[0.529,0.703], df[0.458,0.114], g[2.090,0.114]
1/1 [=====] - 0s 73ms/step
>2116, dr[0.351,0.811], df[0.485,0.132], g[1.693,0.125]
1/1 [=====] - 0s 69ms/step
>2117, dr[0.339,0.548], df[0.388,0.079], g[2.277,0.297]
1/1 [=====] - 0s 80ms/step
>2118, dr[0.597,1.077], df[0.568,0.195], g[1.820,0.183]
1/1 [=====] - 0s 73ms/step
>2119, dr[0.282,0.392], df[0.345,0.069], g[2.347,0.265]
1/1 [=====] - 0s 77ms/step
>2120, dr[0.405,0.394], df[0.366,0.067], g[2.054,0.229]
1/1 [=====] - 0s 73ms/step
>2121, dr[0.379,0.577], df[0.239,0.103], g[2.059,0.219]
1/1 [=====] - 0s 79ms/step
>2122, dr[0.819,0.945], df[0.423,0.084], g[1.503,0.157]
1/1 [=====] - 0s 78ms/step
>2123, dr[0.213,0.761], df[0.597,0.137], g[1.950,0.230]
1/1 [=====] - 0s 81ms/step
>2124, dr[0.517,0.357], df[0.473,0.262], g[2.053,0.216]
1/1 [=====] - 0s 95ms/step
>2125, dr[0.521,0.294], df[0.387,0.109], g[1.508,0.260]
1/1 [=====] - 0s 89ms/step
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>2126, dr[0.496,0.479], df[0.793,0.082], g[2.196,0.137]
1/1 [=====] - 0s 104ms/step
>2127, dr[0.408,0.693], df[0.519,0.254], g[2.177,0.222]
1/1 [=====] - 0s 99ms/step
>2128, dr[0.732,0.717], df[0.258,0.088], g[1.920,0.096]
1/1 [=====] - 0s 84ms/step
>2129, dr[0.483,0.689], df[0.522,0.053], g[1.698,0.143]
1/1 [=====] - 0s 98ms/step
>2130, dr[0.427,1.462], df[0.653,0.178], g[1.982,0.167]
1/1 [=====] - 0s 76ms/step
>2131, dr[0.448,0.717], df[0.412,0.133], g[2.148,0.107]
1/1 [=====] - 0s 78ms/step
>2132, dr[0.561,1.103], df[0.418,0.203], g[2.279,0.107]
1/1 [=====] - 0s 81ms/step
>2133, dr[0.343,0.739], df[0.518,0.102], g[2.485,0.141]
1/1 [=====] - 0s 84ms/step
>2134, dr[0.354,0.787], df[0.541,0.319], g[2.104,0.111]
1/1 [=====] - 0s 91ms/step
>2135, dr[0.397,0.513], df[0.283,0.103], g[2.083,0.119]
1/1 [=====] - 0s 73ms/step
>2136, dr[0.333,0.828], df[0.465,0.186], g[2.306,0.123]
1/1 [=====] - 0s 72ms/step
>2137, dr[0.353,0.556], df[0.205,0.291], g[2.111,0.158]
1/1 [=====] - 0s 74ms/step
>2138, dr[0.384,0.857], df[0.447,0.149], g[1.819,0.184]
1/1 [=====] - 0s 73ms/step
>2139, dr[0.283,0.711], df[0.341,0.118], g[2.084,0.102]
1/1 [=====] - 0s 77ms/step
>2140, dr[0.651,0.940], df[0.485,0.126], g[1.633,0.148]
1/1 [=====] - 0s 76ms/step
>2141, dr[0.348,0.607], df[0.574,0.077], g[2.183,0.139]
1/1 [=====] - 0s 75ms/step
>2142, dr[0.646,0.924], df[0.509,0.100], g[2.704,0.164]
1/1 [=====] - 0s 75ms/step
>2143, dr[0.439,0.719], df[0.425,0.189], g[2.438,0.135]
1/1 [=====] - 0s 72ms/step
>2144, dr[0.422,0.557], df[0.235,0.085], g[2.474,0.133]
1/1 [=====] - 0s 94ms/step
>2145, dr[0.478,0.615], df[0.446,0.173], g[2.032,0.140]
1/1 [=====] - 0s 90ms/step
>2146, dr[0.293,0.638], df[0.406,0.096], g[2.111,0.067]
1/1 [=====] - 0s 76ms/step
>2147, dr[0.252,0.661], df[0.510,0.187], g[2.524,0.167]
1/1 [=====] - 0s 87ms/step
>2148, dr[0.348,0.929], df[0.418,0.270], g[2.457,0.103]
1/1 [=====] - 0s 85ms/step
>2149, dr[0.780,0.453], df[0.290,0.096], g[2.272,0.133]
1/1 [=====] - 0s 84ms/step
>2150, dr[0.420,0.573], df[0.774,0.241], g[2.353,0.139]
1/1 [=====] - 0s 76ms/step
>2151, dr[0.485,1.017], df[0.566,0.065], g[2.684,0.094]
1/1 [=====] - 0s 92ms/step
>2152, dr[0.553,1.104], df[0.427,0.209], g[2.337,0.104]
1/1 [=====] - 0s 79ms/step
>2153, dr[0.233,0.955], df[0.236,0.040], g[2.140,0.133]
1/1 [=====] - 0s 107ms/step
>2154, dr[0.754,0.654], df[0.498,0.030], g[1.585,0.069]
1/1 [=====] - 0s 74ms/step
>2155, dr[0.348,0.496], df[0.403,0.169], g[1.674,0.109]
1/1 [=====] - 0s 90ms/step
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>2156, dr[0.367,0.801], df[0.793,0.225], g[1.913,0.080]
1/1 [=====] - 0s 101ms/step
>2157, dr[0.585,0.808], df[0.335,0.114], g[1.613,0.060]
1/1 [=====] - 0s 87ms/step
>2158, dr[0.312,0.602], df[0.478,0.104], g[2.208,0.120]
1/1 [=====] - 0s 88ms/step
>2159, dr[0.230,0.333], df[0.371,0.086], g[2.833,0.047]
1/1 [=====] - 0s 75ms/step
>2160, dr[0.444,0.837], df[0.372,0.135], g[2.100,0.227]
1/1 [=====] - 0s 71ms/step
>2161, dr[0.678,0.709], df[0.403,0.042], g[1.866,0.141]
1/1 [=====] - 0s 95ms/step
>2162, dr[0.174,0.763], df[0.268,0.079], g[2.080,0.238]
1/1 [=====] - 0s 82ms/step
>2163, dr[0.340,0.650], df[0.496,0.051], g[2.337,0.171]
1/1 [=====] - 0s 76ms/step
>2164, dr[0.517,0.606], df[0.503,0.273], g[2.603,0.128]
1/1 [=====] - 0s 73ms/step
>2165, dr[0.418,0.596], df[0.307,0.123], g[2.255,0.095]
1/1 [=====] - 0s 71ms/step
>2166, dr[0.503,0.306], df[0.440,0.089], g[2.226,0.107]
1/1 [=====] - 0s 69ms/step
>2167, dr[0.500,0.430], df[0.469,0.163], g[2.276,0.190]
1/1 [=====] - 0s 71ms/step
>2168, dr[0.293,0.475], df[0.317,0.089], g[2.112,0.092]
1/1 [=====] - 0s 75ms/step
>2169, dr[0.434,0.622], df[0.549,0.161], g[2.155,0.095]
1/1 [=====] - 0s 71ms/step
>2170, dr[0.507,0.578], df[0.331,0.146], g[2.219,0.095]
1/1 [=====] - 0s 78ms/step
>2171, dr[0.407,0.435], df[0.416,0.157], g[1.879,0.113]
1/1 [=====] - 0s 80ms/step
>2172, dr[0.276,0.898], df[0.333,0.122], g[2.195,0.128]
1/1 [=====] - 0s 73ms/step
>2173, dr[0.398,0.659], df[0.402,0.158], g[2.693,0.160]
1/1 [=====] - 0s 71ms/step
>2174, dr[0.419,0.695], df[0.208,0.070], g[2.741,0.081]
1/1 [=====] - 0s 71ms/step
>2175, dr[0.274,0.451], df[0.354,0.153], g[2.217,0.245]
1/1 [=====] - 0s 88ms/step
>2176, dr[0.474,0.643], df[0.365,0.097], g[2.501,0.084]
1/1 [=====] - 0s 71ms/step
>2177, dr[0.526,0.734], df[0.421,0.213], g[2.094,0.056]
1/1 [=====] - 0s 79ms/step
>2178, dr[0.380,0.720], df[0.393,0.140], g[2.268,0.130]
1/1 [=====] - 0s 70ms/step
>2179, dr[0.485,0.649], df[0.305,0.086], g[2.437,0.129]
1/1 [=====] - 0s 76ms/step
>2180, dr[0.349,0.610], df[0.371,0.116], g[2.126,0.092]
1/1 [=====] - 0s 77ms/step
>2181, dr[0.439,1.042], df[0.569,0.122], g[1.941,0.158]
1/1 [=====] - 0s 70ms/step
>2182, dr[0.295,0.764], df[0.337,0.053], g[2.071,0.061]
1/1 [=====] - 0s 86ms/step
>2183, dr[0.321,0.574], df[0.703,0.196], g[2.128,0.237]
1/1 [=====] - 0s 73ms/step
>2184, dr[0.331,0.797], df[0.398,0.067], g[2.583,0.175]
1/1 [=====] - 0s 98ms/step
>2185, dr[0.482,0.734], df[0.641,0.207], g[2.253,0.118]
1/1 [=====] - 0s 74ms/step
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>2186, dr[0.351,1.073], df[0.207,0.119], g[1.718,0.067]
1/1 [=====] - 0s 88ms/step
>2187, dr[0.149,0.646], df[0.536,0.083], g[2.442,0.104]
1/1 [=====] - 0s 92ms/step
>2188, dr[0.555,0.761], df[0.583,0.302], g[1.996,0.071]
1/1 [=====] - 0s 75ms/step
>2189, dr[0.457,1.468], df[0.513,0.134], g[1.956,0.091]
1/1 [=====] - 0s 78ms/step
>2190, dr[0.184,0.538], df[0.386,0.284], g[2.023,0.106]
1/1 [=====] - 0s 106ms/step
>2191, dr[0.601,0.907], df[0.380,0.214], g[1.894,0.241]
1/1 [=====] - 0s 85ms/step
>2192, dr[0.305,0.672], df[0.669,0.277], g[1.933,0.075]
1/1 [=====] - 0s 88ms/step
>2193, dr[0.423,0.560], df[0.346,0.225], g[2.393,0.120]
1/1 [=====] - 0s 73ms/step
>2194, dr[0.823,0.656], df[0.784,0.044], g[2.008,0.148]
1/1 [=====] - 0s 78ms/step
>2195, dr[0.370,0.507], df[0.354,0.122], g[2.309,0.160]
1/1 [=====] - 0s 194ms/step
>2196, dr[0.366,0.329], df[0.266,0.174], g[2.003,0.076]
1/1 [=====] - 0s 102ms/step
>2197, dr[0.790,0.934], df[0.392,0.191], g[2.283,0.175]
1/1 [=====] - 0s 72ms/step
>2198, dr[0.391,1.179], df[0.339,0.094], g[1.739,0.238]
1/1 [=====] - 0s 82ms/step
>2199, dr[0.235,0.529], df[0.497,0.081], g[2.291,0.183]
1/1 [=====] - 0s 79ms/step
>2200, dr[0.333,0.713], df[0.446,0.222], g[1.913,0.061]
1/1 [=====] - 0s 70ms/step
>2201, dr[0.283,0.232], df[0.271,0.272], g[2.400,0.094]
1/1 [=====] - 0s 108ms/step
>2202, dr[0.455,0.443], df[0.372,0.115], g[2.454,0.137]
1/1 [=====] - 0s 79ms/step
>2203, dr[0.285,0.586], df[0.548,0.215], g[2.609,0.186]
1/1 [=====] - 0s 79ms/step
>2204, dr[0.514,0.725], df[0.369,0.099], g[2.822,0.210]
1/1 [=====] - 0s 71ms/step
>2205, dr[0.347,0.636], df[0.262,0.114], g[2.708,0.098]
1/1 [=====] - 0s 85ms/step
>2206, dr[0.293,0.721], df[0.358,0.166], g[2.362,0.092]
1/1 [=====] - 0s 94ms/step
>2207, dr[0.525,0.597], df[0.214,0.080], g[2.318,0.095]
1/1 [=====] - 0s 80ms/step
>2208, dr[0.345,0.424], df[0.402,0.165], g[2.476,0.224]
1/1 [=====] - 0s 86ms/step
>2209, dr[0.435,0.320], df[0.232,0.281], g[2.260,0.104]
1/1 [=====] - 0s 76ms/step
>2210, dr[0.430,0.939], df[0.659,0.105], g[2.628,0.181]
1/1 [=====] - 0s 85ms/step
>2211, dr[0.402,1.090], df[0.184,0.201], g[2.957,0.102]
1/1 [=====] - 0s 72ms/step
>2212, dr[0.376,0.494], df[0.290,0.077], g[2.314,0.113]
1/1 [=====] - 0s 87ms/step
>2213, dr[0.459,0.969], df[0.368,0.057], g[2.076,0.164]
1/1 [=====] - 0s 70ms/step
>2214, dr[0.231,0.504], df[0.665,0.163], g[2.218,0.121]
1/1 [=====] - 0s 81ms/step
>2215, dr[0.517,0.612], df[0.493,0.041], g[2.654,0.060]
1/1 [=====] - 0s 82ms/step
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>2216, dr[0.333,0.782], df[0.218,0.135], g[2.606,0.122]
1/1 [=====] - 0s 76ms/step
>2217, dr[0.533,0.633], df[1.005,0.174], g[2.557,0.079]
1/1 [=====] - 0s 77ms/step
>2218, dr[0.441,0.808], df[0.341,0.087], g[2.341,0.055]
1/1 [=====] - 0s 92ms/step
>2219, dr[0.512,1.051], df[0.645,0.143], g[1.677,0.074]
1/1 [=====] - 0s 83ms/step
>2220, dr[0.242,0.369], df[0.420,0.184], g[1.986,0.140]
1/1 [=====] - 0s 72ms/step
>2221, dr[0.281,0.415], df[0.451,0.182], g[2.300,0.104]
1/1 [=====] - 0s 79ms/step
>2222, dr[0.386,0.833], df[0.346,0.125], g[2.036,0.127]
1/1 [=====] - 0s 74ms/step
>2223, dr[0.230,0.757], df[0.265,0.141], g[2.255,0.229]
1/1 [=====] - 0s 79ms/step
>2224, dr[0.427,0.244], df[0.467,0.086], g[1.974,0.106]
1/1 [=====] - 0s 72ms/step
>2225, dr[0.217,0.494], df[0.283,0.235], g[1.728,0.167]
1/1 [=====] - 0s 71ms/step
>2226, dr[0.548,0.667], df[0.505,0.398], g[1.802,0.097]
1/1 [=====] - 0s 76ms/step
>2227, dr[0.435,0.804], df[0.507,0.121], g[1.963,0.172]
1/1 [=====] - 0s 72ms/step
>2228, dr[0.254,0.807], df[0.316,0.400], g[2.308,0.097]
1/1 [=====] - 0s 76ms/step
>2229, dr[0.712,0.940], df[0.260,0.166], g[2.115,0.088]
1/1 [=====] - 0s 77ms/step
>2230, dr[0.461,1.139], df[0.291,0.319], g[1.536,0.106]
1/1 [=====] - 0s 77ms/step
>2231, dr[0.330,0.569], df[0.716,0.045], g[2.033,0.157]
1/1 [=====] - 0s 72ms/step
>2232, dr[0.485,1.117], df[0.206,0.093], g[1.861,0.129]
1/1 [=====] - 0s 78ms/step
>2233, dr[0.596,0.413], df[0.277,0.185], g[1.620,0.112]
1/1 [=====] - 0s 80ms/step
>2234, dr[0.395,0.253], df[0.696,0.116], g[1.757,0.095]
1/1 [=====] - 0s 95ms/step
>2235, dr[0.450,0.730], df[0.535,0.198], g[1.965,0.246]
1/1 [=====] - 0s 78ms/step
>2236, dr[0.319,1.118], df[0.356,0.301], g[2.435,0.249]
1/1 [=====] - 0s 74ms/step
>2237, dr[0.424,0.751], df[0.215,0.067], g[2.120,0.124]
1/1 [=====] - 0s 83ms/step
>2238, dr[0.487,0.667], df[0.414,0.086], g[2.055,0.119]
1/1 [=====] - 0s 81ms/step
>2239, dr[0.258,0.926], df[0.504,0.099], g[2.393,0.130]
1/1 [=====] - 0s 89ms/step
>2240, dr[0.493,0.274], df[0.391,0.159], g[2.124,0.108]
1/1 [=====] - 0s 83ms/step
>2241, dr[0.257,0.677], df[0.239,0.174], g[2.335,0.143]
1/1 [=====] - 0s 74ms/step
>2242, dr[0.362,0.598], df[0.471,0.155], g[2.472,0.076]
1/1 [=====] - 0s 74ms/step
>2243, dr[0.519,0.424], df[0.336,0.110], g[1.723,0.077]
1/1 [=====] - 0s 70ms/step
>2244, dr[0.443,0.929], df[0.924,0.041], g[1.525,0.076]
1/1 [=====] - 0s 79ms/step
>2245, dr[0.308,0.662], df[0.483,0.106], g[2.041,0.123]
1/1 [=====] - 0s 120ms/step
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>2246, dr[0.390,0.821], df[0.243,0.074], g[2.307,0.046]
1/1 [=====] - 0s 89ms/step
>2247, dr[0.788,0.456], df[0.421,0.049], g[1.575,0.124]
1/1 [=====] - 0s 74ms/step
>2248, dr[0.331,0.851], df[0.928,0.080], g[2.146,0.168]
1/1 [=====] - 0s 74ms/step
>2249, dr[0.352,0.245], df[0.672,0.128], g[2.111,0.092]
1/1 [=====] - 0s 82ms/step
>2250, dr[0.264,1.132], df[0.352,0.120], g[2.910,0.221]
1/1 [=====] - 0s 76ms/step
>2251, dr[0.627,0.524], df[0.364,0.173], g[2.063,0.147]
1/1 [=====] - 0s 87ms/step
>2252, dr[0.251,0.284], df[0.362,0.212], g[2.180,0.224]
1/1 [=====] - 0s 79ms/step
>2253, dr[0.341,0.549], df[0.472,0.099], g[2.353,0.136]
1/1 [=====] - 0s 75ms/step
>2254, dr[0.557,0.426], df[0.369,0.157], g[1.782,0.182]
1/1 [=====] - 0s 94ms/step
>2255, dr[0.439,0.552], df[0.474,0.094], g[1.875,0.140]
1/1 [=====] - 0s 75ms/step
>2256, dr[0.261,0.833], df[0.511,0.071], g[2.426,0.096]
1/1 [=====] - 0s 82ms/step
>2257, dr[0.283,0.689], df[0.371,0.116], g[2.737,0.088]
1/1 [=====] - 0s 79ms/step
>2258, dr[0.754,1.025], df[0.349,0.164], g[1.970,0.146]
1/1 [=====] - 0s 73ms/step
>2259, dr[0.336,0.653], df[0.551,0.121], g[2.039,0.152]
1/1 [=====] - 0s 78ms/step
>2260, dr[0.236,0.226], df[0.379,0.118], g[2.512,0.198]
1/1 [=====] - 0s 73ms/step
>2261, dr[0.486,0.864], df[0.407,0.258], g[2.512,0.225]
1/1 [=====] - 0s 76ms/step
>2262, dr[0.819,0.916], df[0.219,0.060], g[1.803,0.083]
1/1 [=====] - 0s 70ms/step
>2263, dr[0.445,0.924], df[0.577,0.125], g[1.897,0.245]
1/1 [=====] - 0s 73ms/step
>2264, dr[0.362,0.742], df[0.666,0.150], g[2.639,0.102]
1/1 [=====] - 0s 71ms/step
>2265, dr[0.750,0.530], df[0.280,0.136], g[1.734,0.104]
1/1 [=====] - 0s 68ms/step
>2266, dr[0.220,0.678], df[0.867,0.114], g[2.477,0.104]
1/1 [=====] - 0s 75ms/step
>2267, dr[1.000,1.438], df[0.431,0.249], g[2.385,0.077]
1/1 [=====] - 0s 71ms/step
>2268, dr[0.432,0.871], df[0.276,0.157], g[1.883,0.090]
1/1 [=====] - 0s 75ms/step
>2269, dr[0.261,0.829], df[0.399,0.087], g[2.056,0.074]
1/1 [=====] - 0s 77ms/step
>2270, dr[0.394,0.504], df[0.417,0.189], g[1.559,0.139]
1/1 [=====] - 0s 72ms/step
>2271, dr[0.298,0.752], df[0.398,0.133], g[2.137,0.132]
1/1 [=====] - 0s 71ms/step
>2272, dr[0.357,0.549], df[0.548,0.151], g[2.159,0.136]
1/1 [=====] - 0s 74ms/step
>2273, dr[0.377,0.663], df[0.318,0.123], g[1.819,0.151]
1/1 [=====] - 0s 79ms/step
>2274, dr[0.715,0.674], df[0.621,0.339], g[2.278,0.064]
1/1 [=====] - 0s 69ms/step
>2275, dr[0.438,0.916], df[0.659,0.200], g[2.431,0.090]
1/1 [=====] - 0s 80ms/step
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>2276, dr[0.250,0.845], df[0.311,0.080], g[2.473,0.084]
1/1 [=====] - 0s 70ms/step
>2277, dr[0.455,0.858], df[0.179,0.100], g[2.470,0.133]
1/1 [=====] - 0s 81ms/step
>2278, dr[0.221,0.822], df[0.294,0.059], g[2.588,0.128]
1/1 [=====] - 0s 71ms/step
>2279, dr[0.725,0.633], df[0.717,0.082], g[2.331,0.091]
1/1 [=====] - 0s 73ms/step
>2280, dr[0.242,0.698], df[0.311,0.176], g[2.336,0.141]
1/1 [=====] - 0s 75ms/step
>2281, dr[0.279,0.749], df[0.210,0.244], g[2.676,0.149]
1/1 [=====] - 0s 75ms/step
>2282, dr[0.405,0.836], df[0.317,0.132], g[2.333,0.210]
1/1 [=====] - 0s 81ms/step
>2283, dr[0.296,0.469], df[0.318,0.154], g[2.640,0.168]
1/1 [=====] - 0s 73ms/step
>2284, dr[0.338,0.298], df[0.441,0.121], g[2.610,0.127]
1/1 [=====] - 0s 77ms/step
>2285, dr[0.310,0.655], df[0.225,0.067], g[2.899,0.163]
1/1 [=====] - 0s 82ms/step
>2286, dr[0.341,0.424], df[0.249,0.118], g[2.291,0.088]
1/1 [=====] - 0s 72ms/step
>2287, dr[0.244,0.675], df[0.218,0.080], g[2.078,0.049]
1/1 [=====] - 0s 73ms/step
>2288, dr[0.184,0.578], df[0.263,0.169], g[2.272,0.171]
1/1 [=====] - 0s 71ms/step
>2289, dr[0.316,0.719], df[0.416,0.267], g[2.553,0.103]
1/1 [=====] - 0s 70ms/step
>2290, dr[0.388,0.621], df[0.441,0.311], g[2.117,0.108]
1/1 [=====] - 0s 78ms/step
>2291, dr[0.368,0.760], df[0.168,0.171], g[2.032,0.144]
1/1 [=====] - 0s 86ms/step
>2292, dr[0.211,0.997], df[0.244,0.144], g[2.112,0.085]
1/1 [=====] - 0s 81ms/step
>2293, dr[0.308,0.852], df[0.366,0.163], g[2.268,0.075]
1/1 [=====] - 0s 91ms/step
>2294, dr[0.839,0.858], df[0.606,0.198], g[2.182,0.097]
1/1 [=====] - 0s 85ms/step
>2295, dr[0.274,0.619], df[0.570,0.067], g[3.118,0.166]
1/1 [=====] - 0s 73ms/step
>2296, dr[0.635,0.560], df[0.233,0.100], g[1.969,0.115]
1/1 [=====] - 0s 92ms/step
>2297, dr[0.505,0.609], df[0.362,0.047], g[2.188,0.081]
1/1 [=====] - 0s 99ms/step
>2298, dr[0.329,0.668], df[0.680,0.267], g[2.141,0.090]
1/1 [=====] - 0s 85ms/step
>2299, dr[0.391,0.681], df[0.536,0.039], g[2.585,0.116]
1/1 [=====] - 0s 80ms/step
>2300, dr[0.445,0.635], df[0.218,0.095], g[2.475,0.088]
1/1 [=====] - 0s 119ms/step
>2301, dr[0.461,0.488], df[0.315,0.095], g[1.897,0.101]
1/1 [=====] - 0s 171ms/step
>2302, dr[0.468,0.474], df[0.409,0.040], g[1.887,0.102]
1/1 [=====] - 0s 102ms/step
>2303, dr[0.367,0.852], df[0.370,0.158], g[1.917,0.102]
1/1 [=====] - 0s 83ms/step
>2304, dr[0.379,0.539], df[0.430,0.087], g[2.282,0.142]
1/1 [=====] - 0s 83ms/step
>2305, dr[0.212,1.014], df[0.445,0.183], g[2.519,0.053]
1/1 [=====] - 0s 85ms/step
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>2306, dr[0.530,0.848], df[0.701,0.092], g[2.804,0.149]
1/1 [=====] - 0s 86ms/step
>2307, dr[0.374,1.245], df[0.213,0.096], g[2.259,0.073]
1/1 [=====] - 0s 90ms/step
>2308, dr[0.605,0.481], df[0.776,0.136], g[2.265,0.121]
1/1 [=====] - 0s 99ms/step
>2309, dr[0.441,0.238], df[0.516,0.120], g[2.706,0.146]
1/1 [=====] - 0s 86ms/step
>2310, dr[0.274,0.507], df[0.331,0.127], g[2.381,0.091]
1/1 [=====] - 0s 98ms/step
>2311, dr[0.836,0.569], df[0.865,0.177], g[2.127,0.154]
1/1 [=====] - 0s 97ms/step
>2312, dr[0.326,0.505], df[0.415,0.185], g[2.235,0.057]
1/1 [=====] - 0s 84ms/step
>2313, dr[0.339,0.280], df[0.237,0.154], g[1.840,0.188]
1/1 [=====] - 0s 87ms/step
>2314, dr[0.177,0.393], df[0.376,0.287], g[2.507,0.139]
1/1 [=====] - 0s 75ms/step
>2315, dr[0.549,0.924], df[0.202,0.107], g[2.170,0.132]
1/1 [=====] - 0s 85ms/step
>2316, dr[0.194,0.847], df[0.526,0.164], g[2.339,0.067]
1/1 [=====] - 0s 77ms/step
>2317, dr[0.249,0.544], df[0.359,0.156], g[2.606,0.113]
1/1 [=====] - 0s 75ms/step
>2318, dr[0.522,0.769], df[0.390,0.065], g[2.562,0.134]
1/1 [=====] - 0s 80ms/step
>2319, dr[0.587,0.499], df[0.333,0.127], g[1.331,0.116]
1/1 [=====] - 0s 80ms/step
>2320, dr[0.346,0.757], df[0.604,0.073], g[1.847,0.108]
1/1 [=====] - 0s 71ms/step
>2321, dr[0.353,0.908], df[0.368,0.037], g[1.977,0.168]
1/1 [=====] - 0s 82ms/step
>2322, dr[0.252,0.660], df[0.560,0.157], g[2.785,0.109]
1/1 [=====] - 0s 74ms/step
>2323, dr[0.360,0.820], df[0.331,0.127], g[2.513,0.148]
1/1 [=====] - 0s 78ms/step
>2324, dr[0.599,0.717], df[0.367,0.225], g[2.008,0.105]
1/1 [=====] - 0s 70ms/step
>2325, dr[0.370,0.708], df[0.329,0.163], g[2.247,0.150]
1/1 [=====] - 0s 76ms/step
>2326, dr[0.512,0.318], df[0.315,0.094], g[1.860,0.104]
1/1 [=====] - 0s 71ms/step
>2327, dr[0.345,0.292], df[0.301,0.077], g[2.003,0.094]
1/1 [=====] - 0s 78ms/step
>2328, dr[0.363,0.369], df[0.414,0.110], g[2.454,0.143]
1/1 [=====] - 0s 69ms/step
>2329, dr[0.332,0.562], df[0.245,0.134], g[2.880,0.097]
1/1 [=====] - 0s 72ms/step
>2330, dr[0.434,0.740], df[0.252,0.134], g[2.255,0.098]
1/1 [=====] - 0s 71ms/step
>2331, dr[0.740,0.777], df[0.573,0.377], g[1.752,0.230]
1/1 [=====] - 0s 71ms/step
>2332, dr[0.131,0.469], df[0.247,0.089], g[2.221,0.161]
1/1 [=====] - 0s 71ms/step
>2333, dr[0.325,0.361], df[0.282,0.081], g[2.026,0.226]
1/1 [=====] - 0s 73ms/step
>2334, dr[0.283,0.331], df[0.274,0.170], g[2.511,0.046]
1/1 [=====] - 0s 80ms/step
>2335, dr[0.220,0.815], df[0.170,0.077], g[2.246,0.142]
1/1 [=====] - 0s 70ms/step
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>2336, dr[0.244,0.519], df[0.346,0.073], g[2.449,0.209]
1/1 [=====] - 0s 84ms/step
>2337, dr[0.271,0.767], df[0.463,0.036], g[2.571,0.099]
1/1 [=====] - 0s 79ms/step
>2338, dr[0.625,0.555], df[0.257,0.034], g[1.955,0.171]
1/1 [=====] - 0s 74ms/step
>2339, dr[0.117,0.693], df[0.375,0.129], g[2.433,0.130]
1/1 [=====] - 0s 74ms/step
>2340, dr[0.414,0.705], df[0.320,0.129], g[1.850,0.105]
1/1 [=====] - 0s 70ms/step
>2341, dr[0.185,0.577], df[0.280,0.138], g[2.783,0.159]
1/1 [=====] - 0s 73ms/step
>2342, dr[0.479,0.348], df[0.230,0.097], g[2.169,0.136]
1/1 [=====] - 0s 71ms/step
>2343, dr[0.255,1.101], df[0.582,0.043], g[2.267,0.092]
1/1 [=====] - 0s 76ms/step
>2344, dr[0.423,0.504], df[0.462,0.039], g[2.142,0.092]
1/1 [=====] - 0s 69ms/step
>2345, dr[0.452,0.506], df[0.293,0.146], g[2.143,0.129]
1/1 [=====] - 0s 76ms/step
>2346, dr[0.279,1.017], df[0.337,0.115], g[2.321,0.150]
1/1 [=====] - 0s 71ms/step
>2347, dr[0.612,0.542], df[0.345,0.136], g[1.969,0.115]
1/1 [=====] - 0s 72ms/step
>2348, dr[0.106,0.554], df[0.516,0.087], g[2.295,0.135]
1/1 [=====] - 0s 69ms/step
>2349, dr[0.221,0.490], df[0.303,0.126], g[2.479,0.123]
1/1 [=====] - 0s 71ms/step
>2350, dr[0.170,0.492], df[0.315,0.109], g[2.564,0.099]
1/1 [=====] - 0s 70ms/step
>2351, dr[0.373,0.746], df[0.399,0.075], g[2.833,0.132]
1/1 [=====] - 0s 70ms/step
>2352, dr[0.627,0.607], df[0.325,0.171], g[2.157,0.100]
1/1 [=====] - 0s 72ms/step
>2353, dr[0.283,0.760], df[0.437,0.074], g[1.856,0.381]
1/1 [=====] - 0s 72ms/step
>2354, dr[0.360,0.388], df[0.184,0.160], g[1.909,0.100]
1/1 [=====] - 0s 78ms/step
>2355, dr[0.283,0.550], df[0.678,0.165], g[1.853,0.170]
1/1 [=====] - 0s 70ms/step
>2356, dr[0.246,0.366], df[0.218,0.197], g[2.248,0.198]
1/1 [=====] - 0s 76ms/step
>2357, dr[0.476,0.831], df[0.447,0.197], g[2.332,0.291]
1/1 [=====] - 0s 70ms/step
>2358, dr[0.242,0.630], df[0.395,0.199], g[2.188,0.117]
1/1 [=====] - 0s 78ms/step
>2359, dr[0.252,0.477], df[0.390,0.211], g[2.699,0.118]
1/1 [=====] - 0s 73ms/step
>2360, dr[0.939,0.588], df[0.220,0.075], g[1.933,0.125]
1/1 [=====] - 0s 83ms/step
>2361, dr[0.196,1.052], df[0.499,0.118], g[2.151,0.170]
1/1 [=====] - 0s 78ms/step
>2362, dr[0.312,0.400], df[0.178,0.088], g[1.562,0.196]
1/1 [=====] - 0s 81ms/step
>2363, dr[0.322,0.478], df[0.530,0.085], g[2.060,0.083]
1/1 [=====] - 0s 72ms/step
>2364, dr[0.274,0.752], df[0.286,0.161], g[2.395,0.112]
1/1 [=====] - 0s 71ms/step
>2365, dr[0.291,1.544], df[0.238,0.120], g[2.313,0.149]
1/1 [=====] - 0s 74ms/step
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>2366, dr[0.519,0.669], df[0.201,0.115], g[2.206,0.144]
1/1 [=====] - 0s 71ms/step
>2367, dr[0.249,0.850], df[0.530,0.195], g[1.720,0.185]
1/1 [=====] - 0s 74ms/step
>2368, dr[0.202,0.677], df[0.305,0.149], g[1.919,0.140]
1/1 [=====] - 0s 74ms/step
>2369, dr[0.278,0.808], df[0.242,0.168], g[1.868,0.193]
1/1 [=====] - 0s 78ms/step
>2370, dr[0.442,0.499], df[0.369,0.116], g[1.693,0.227]
1/1 [=====] - 0s 68ms/step
>2371, dr[0.325,0.540], df[0.658,0.337], g[2.056,0.209]
1/1 [=====] - 0s 77ms/step
>2372, dr[0.314,0.484], df[0.512,0.333], g[2.694,0.235]
1/1 [=====] - 0s 75ms/step
>2373, dr[0.464,0.292], df[0.304,0.039], g[2.236,0.135]
1/1 [=====] - 0s 84ms/step
>2374, dr[0.602,0.938], df[0.333,0.101], g[2.209,0.090]
1/1 [=====] - 0s 82ms/step
>2375, dr[0.329,0.791], df[0.376,0.116], g[1.980,0.121]
1/1 [=====] - 0s 69ms/step
>2376, dr[0.188,0.534], df[0.388,0.247], g[2.456,0.168]
1/1 [=====] - 0s 78ms/step
>2377, dr[0.336,0.638], df[0.421,0.105], g[2.306,0.126]
1/1 [=====] - 0s 72ms/step
>2378, dr[0.152,0.442], df[0.283,0.050], g[1.908,0.171]
1/1 [=====] - 0s 78ms/step
>2379, dr[0.404,0.631], df[0.206,0.099], g[2.565,0.122]
1/1 [=====] - 0s 71ms/step
>2380, dr[0.443,1.001], df[0.224,0.084], g[2.214,0.108]
1/1 [=====] - 0s 73ms/step
>2381, dr[0.303,0.442], df[0.387,0.099], g[2.094,0.124]
1/1 [=====] - 0s 73ms/step
>2382, dr[0.328,0.509], df[0.464,0.075], g[1.993,0.159]
1/1 [=====] - 0s 70ms/step
>2383, dr[0.299,0.789], df[0.509,0.085], g[2.258,0.071]
1/1 [=====] - 0s 79ms/step
>2384, dr[0.326,0.733], df[0.276,0.064], g[2.183,0.123]
1/1 [=====] - 0s 79ms/step
>2385, dr[0.597,0.454], df[0.232,0.064], g[1.840,0.221]
1/1 [=====] - 0s 84ms/step
>2386, dr[0.317,0.847], df[0.485,0.146], g[1.842,0.237]
1/1 [=====] - 0s 73ms/step
>2387, dr[0.407,0.552], df[0.381,0.173], g[1.725,0.162]
1/1 [=====] - 0s 83ms/step
>2388, dr[0.229,0.473], df[0.350,0.088], g[2.026,0.183]
1/1 [=====] - 0s 76ms/step
>2389, dr[0.559,0.300], df[0.294,0.091], g[2.194,0.196]
1/1 [=====] - 0s 69ms/step
>2390, dr[0.376,0.637], df[0.541,0.260], g[2.337,0.197]
1/1 [=====] - 0s 89ms/step
>2391, dr[0.276,0.815], df[0.357,0.055], g[2.343,0.230]
1/1 [=====] - 0s 79ms/step
>2392, dr[0.364,0.636], df[0.264,0.129], g[2.129,0.167]
1/1 [=====] - 0s 80ms/step
>2393, dr[0.339,0.709], df[0.128,0.030], g[2.105,0.261]
1/1 [=====] - 0s 94ms/step
>2394, dr[0.369,0.772], df[0.267,0.069], g[1.733,0.149]
1/1 [=====] - 0s 113ms/step
>2395, dr[0.251,0.733], df[0.358,0.068], g[2.037,0.201]
1/1 [=====] - 0s 78ms/step
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>2396, dr[0.214,0.939], df[0.205,0.084], g[1.864,0.168]
1/1 [=====] - 0s 75ms/step
>2397, dr[0.336,0.471], df[0.442,0.066], g[1.783,0.192]
1/1 [=====] - 0s 71ms/step
>2398, dr[0.520,0.906], df[0.475,0.156], g[2.582,0.172]
1/1 [=====] - 0s 71ms/step
>2399, dr[0.203,0.695], df[0.135,0.074], g[2.126,0.135]
1/1 [=====] - 0s 78ms/step
>2400, dr[0.288,0.786], df[0.462,0.134], g[2.402,0.164]
1/1 [=====] - 0s 71ms/step
>2401, dr[0.196,0.441], df[0.349,0.068], g[2.435,0.125]
1/1 [=====] - 0s 77ms/step
>2402, dr[0.415,0.537], df[0.134,0.067], g[2.613,0.088]
1/1 [=====] - 0s 69ms/step
>2403, dr[0.287,0.618], df[0.215,0.053], g[2.069,0.307]
1/1 [=====] - 0s 75ms/step
>2404, dr[0.322,0.437], df[0.531,0.078], g[2.301,0.124]
1/1 [=====] - 0s 75ms/step
>2405, dr[0.244,0.595], df[0.211,0.246], g[2.245,0.204]
1/1 [=====] - 0s 77ms/step
>2406, dr[0.203,0.508], df[0.283,0.074], g[2.697,0.227]
1/1 [=====] - 0s 85ms/step
>2407, dr[0.614,1.172], df[0.210,0.211], g[2.239,0.120]
1/1 [=====] - 0s 98ms/step
>2408, dr[0.192,0.412], df[0.747,0.185], g[2.642,0.096]
1/1 [=====] - 0s 78ms/step
>2409, dr[0.312,0.621], df[0.302,0.137], g[2.957,0.126]
1/1 [=====] - 0s 76ms/step
>2410, dr[0.545,0.737], df[0.363,0.117], g[1.784,0.099]
1/1 [=====] - 0s 80ms/step
>2411, dr[0.225,0.454], df[0.547,0.074], g[2.719,0.102]
1/1 [=====] - 0s 85ms/step
>2412, dr[0.648,0.510], df[0.425,0.070], g[2.693,0.122]
1/1 [=====] - 0s 80ms/step
>2413, dr[0.677,0.797], df[0.560,0.107], g[2.416,0.222]
1/1 [=====] - 0s 81ms/step
>2414, dr[0.302,0.780], df[0.370,0.182], g[2.146,0.145]
1/1 [=====] - 0s 74ms/step
>2415, dr[0.376,0.902], df[0.601,0.091], g[2.459,0.085]
1/1 [=====] - 0s 79ms/step
>2416, dr[0.454,0.604], df[0.333,0.272], g[2.889,0.062]
1/1 [=====] - 0s 73ms/step
>2417, dr[0.513,0.915], df[0.492,0.095], g[2.655,0.126]
1/1 [=====] - 0s 71ms/step
>2418, dr[0.386,0.420], df[0.145,0.099], g[2.663,0.087]
1/1 [=====] - 0s 74ms/step
>2419, dr[0.396,0.454], df[0.247,0.123], g[2.647,0.080]
1/1 [=====] - 0s 71ms/step
>2420, dr[0.216,0.888], df[0.570,0.395], g[2.963,0.108]
1/1 [=====] - 0s 86ms/step
>2421, dr[0.256,0.515], df[0.311,0.114], g[2.457,0.098]
1/1 [=====] - 0s 138ms/step
>2422, dr[0.206,0.465], df[0.191,0.128], g[2.597,0.166]
1/1 [=====] - 0s 75ms/step
>2423, dr[0.292,0.862], df[0.297,0.136], g[2.737,0.168]
1/1 [=====] - 0s 78ms/step
>2424, dr[0.307,0.619], df[0.228,0.074], g[2.385,0.117]
1/1 [=====] - 0s 74ms/step
>2425, dr[0.366,0.749], df[0.276,0.102], g[2.227,0.113]
1/1 [=====] - 0s 79ms/step
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>2426, dr[0.277,0.803], df[0.525,0.146], g[2.725,0.111]
1/1 [=====] - 0s 68ms/step
>2427, dr[0.491,0.582], df[0.439,0.175], g[2.516,0.158]
1/1 [=====] - 0s 79ms/step
>2428, dr[0.335,0.293], df[0.298,0.222], g[2.417,0.312]
1/1 [=====] - 0s 72ms/step
>2429, dr[0.311,0.546], df[0.272,0.317], g[2.404,0.085]
1/1 [=====] - 0s 77ms/step
>2430, dr[0.396,0.563], df[0.326,0.110], g[2.444,0.171]
1/1 [=====] - 0s 72ms/step
>2431, dr[0.381,1.013], df[0.310,0.110], g[2.661,0.183]
1/1 [=====] - 0s 79ms/step
>2432, dr[0.366,0.533], df[0.223,0.246], g[1.891,0.127]
1/1 [=====] - 0s 83ms/step
>2433, dr[0.302,0.865], df[0.581,0.122], g[2.310,0.198]
1/1 [=====] - 0s 75ms/step
>2434, dr[0.421,0.740], df[0.407,0.282], g[2.291,0.079]
1/1 [=====] - 0s 78ms/step
>2435, dr[0.607,0.341], df[0.333,0.183], g[2.152,0.218]
1/1 [=====] - 0s 71ms/step
>2436, dr[0.496,0.920], df[0.337,0.157], g[2.221,0.206]
1/1 [=====] - 0s 74ms/step
>2437, dr[0.262,0.502], df[0.298,0.131], g[2.405,0.145]
1/1 [=====] - 0s 70ms/step
>2438, dr[0.274,0.696], df[0.222,0.087], g[2.355,0.150]
1/1 [=====] - 0s 77ms/step
>2439, dr[0.513,0.768], df[0.549,0.200], g[2.040,0.138]
1/1 [=====] - 0s 73ms/step
>2440, dr[0.693,0.688], df[0.640,0.333], g[2.064,0.125]
1/1 [=====] - 0s 76ms/step
>2441, dr[0.672,1.066], df[0.318,0.103], g[1.741,0.195]
1/1 [=====] - 0s 71ms/step
>2442, dr[0.293,0.205], df[0.624,0.150], g[2.129,0.105]
1/1 [=====] - 0s 86ms/step
>2443, dr[0.596,1.130], df[0.532,0.294], g[2.505,0.227]
1/1 [=====] - 0s 82ms/step
>2444, dr[0.386,0.734], df[0.257,0.062], g[2.938,0.138]
1/1 [=====] - 0s 73ms/step
>2445, dr[0.550,0.557], df[0.431,0.084], g[2.593,0.209]
1/1 [=====] - 0s 76ms/step
>2446, dr[0.393,0.708], df[0.387,0.124], g[2.732,0.095]
1/1 [=====] - 0s 132ms/step
>2447, dr[0.378,0.931], df[0.292,0.214], g[2.040,0.150]
1/1 [=====] - 0s 76ms/step
>2448, dr[0.412,0.881], df[0.633,0.096], g[2.630,0.080]
1/1 [=====] - 0s 86ms/step
>2449, dr[0.340,0.873], df[0.264,0.081], g[2.449,0.200]
1/1 [=====] - 0s 75ms/step
>2450, dr[0.678,0.348], df[0.395,0.102], g[1.961,0.065]
1/1 [=====] - 0s 75ms/step
>2451, dr[0.191,0.368], df[0.275,0.074], g[2.520,0.091]
1/1 [=====] - 0s 74ms/step
>2452, dr[0.281,0.500], df[0.351,0.160], g[2.051,0.149]
1/1 [=====] - 0s 74ms/step
>2453, dr[0.243,0.694], df[0.277,0.135], g[2.210,0.151]
1/1 [=====] - 0s 73ms/step
>2454, dr[0.273,0.748], df[0.486,0.234], g[2.051,0.280]
1/1 [=====] - 0s 71ms/step
>2455, dr[0.367,0.517], df[0.288,0.065], g[2.484,0.209]
1/1 [=====] - 0s 73ms/step
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>2456, dr[0.440,0.581], df[0.276,0.114], g[2.611,0.049]
1/1 [=====] - 0s 74ms/step
>2457, dr[0.328,1.457], df[0.256,0.105], g[2.158,0.050]
1/1 [=====] - 0s 76ms/step
>2458, dr[0.189,0.361], df[0.327,0.117], g[2.378,0.117]
1/1 [=====] - 0s 75ms/step
>2459, dr[0.276,0.570], df[0.418,0.127], g[2.470,0.079]
1/1 [=====] - 0s 78ms/step
>2460, dr[0.347,0.912], df[0.378,0.064], g[2.443,0.089]
1/1 [=====] - 0s 71ms/step
>2461, dr[0.250,0.657], df[0.182,0.186], g[2.338,0.082]
1/1 [=====] - 0s 80ms/step
>2462, dr[0.315,0.541], df[0.388,0.107], g[2.447,0.103]
1/1 [=====] - 0s 73ms/step
>2463, dr[0.437,1.615], df[0.281,0.214], g[2.407,0.096]
1/1 [=====] - 0s 70ms/step
>2464, dr[0.183,0.768], df[0.483,0.128], g[2.345,0.159]
1/1 [=====] - 0s 69ms/step
>2465, dr[0.162,0.577], df[0.224,0.032], g[2.622,0.087]
1/1 [=====] - 0s 71ms/step
>2466, dr[0.603,0.661], df[0.359,0.051], g[2.258,0.122]
1/1 [=====] - 0s 84ms/step
>2467, dr[0.196,0.560], df[0.415,0.249], g[2.409,0.102]
1/1 [=====] - 0s 79ms/step
>2468, dr[0.446,0.811], df[0.526,0.109], g[2.273,0.116]
1/1 [=====] - 0s 78ms/step
>2469, dr[0.379,0.606], df[0.439,0.062], g[2.418,0.133]
1/1 [=====] - 0s 73ms/step
>2470, dr[0.204,0.924], df[0.419,0.105], g[2.578,0.097]
1/1 [=====] - 0s 79ms/step
>2471, dr[0.236,0.811], df[0.159,0.119], g[2.020,0.141]
1/1 [=====] - 0s 80ms/step
>2472, dr[0.493,0.790], df[0.254,0.068], g[1.856,0.100]
1/1 [=====] - 0s 77ms/step
>2473, dr[0.205,0.600], df[0.483,0.216], g[2.038,0.126]
1/1 [=====] - 0s 73ms/step
>2474, dr[0.326,0.581], df[0.275,0.137], g[2.281,0.079]
1/1 [=====] - 0s 79ms/step
>2475, dr[0.320,0.512], df[0.366,0.143], g[2.299,0.193]
1/1 [=====] - 0s 89ms/step
>2476, dr[0.216,0.495], df[0.150,0.042], g[2.520,0.142]
1/1 [=====] - 0s 82ms/step
>2477, dr[0.408,0.405], df[0.462,0.133], g[2.346,0.081]
1/1 [=====] - 0s 102ms/step
>2478, dr[0.397,0.782], df[0.445,0.148], g[2.307,0.120]
1/1 [=====] - 0s 84ms/step
>2479, dr[0.362,0.315], df[0.362,0.112], g[2.169,0.122]
1/1 [=====] - 0s 90ms/step
>2480, dr[0.326,0.382], df[0.287,0.088], g[2.233,0.083]
1/1 [=====] - 0s 91ms/step
>2481, dr[0.178,0.826], df[0.288,0.087], g[2.098,0.153]
1/1 [=====] - 0s 85ms/step
>2482, dr[0.356,0.906], df[0.358,0.068], g[1.765,0.194]
1/1 [=====] - 0s 82ms/step
>2483, dr[0.274,0.417], df[0.617,0.144], g[2.390,0.129]
1/1 [=====] - 0s 91ms/step
>2484, dr[0.254,0.798], df[0.298,0.100], g[2.644,0.103]
1/1 [=====] - 0s 83ms/step
>2485, dr[0.963,0.719], df[0.377,0.288], g[2.176,0.084]
1/1 [=====] - 0s 76ms/step
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>2486, dr[0.148,0.324], df[0.577,0.085], g[2.395,0.122]
1/1 [=====] - 0s 79ms/step
>2487, dr[0.295,0.500], df[0.307,0.042], g[2.331,0.145]
1/1 [=====] - 0s 88ms/step
>2488, dr[0.623,0.719], df[0.392,0.224], g[2.701,0.075]
1/1 [=====] - 0s 77ms/step
>2489, dr[0.490,1.023], df[0.410,0.050], g[1.882,0.202]
1/1 [=====] - 0s 79ms/step
>2490, dr[0.362,0.763], df[0.504,0.108], g[2.059,0.150]
1/1 [=====] - 0s 82ms/step
>2491, dr[0.426,0.627], df[0.379,0.137], g[2.148,0.208]
1/1 [=====] - 0s 80ms/step
>2492, dr[0.326,0.667], df[0.276,0.116], g[2.330,0.292]
1/1 [=====] - 0s 77ms/step
>2493, dr[0.244,0.899], df[0.378,0.249], g[2.698,0.076]
1/1 [=====] - 0s 82ms/step
>2494, dr[0.433,0.844], df[0.397,0.156], g[2.836,0.144]
1/1 [=====] - 0s 83ms/step
>2495, dr[0.318,0.193], df[0.278,0.177], g[2.667,0.093]
1/1 [=====] - 0s 83ms/step
>2496, dr[0.298,0.670], df[0.202,0.176], g[2.722,0.179]
1/1 [=====] - 0s 88ms/step
>2497, dr[0.272,0.646], df[0.280,0.285], g[2.238,0.130]
1/1 [=====] - 0s 82ms/step
>2498, dr[0.555,0.801], df[0.210,0.074], g[2.410,0.233]
1/1 [=====] - 0s 79ms/step
>2499, dr[0.249,0.576], df[0.493,0.218], g[2.266,0.108]
1/1 [=====] - 0s 83ms/step
>2500, dr[0.351,0.771], df[0.520,0.110], g[2.313,0.224]
1/1 [=====] - 0s 83ms/step
>2501, dr[0.435,0.762], df[0.130,0.087], g[1.901,0.209]
1/1 [=====] - 0s 87ms/step
>2502, dr[0.148,0.635], df[0.431,0.284], g[2.345,0.175]
1/1 [=====] - 0s 84ms/step
>2503, dr[0.221,0.433], df[0.259,0.092], g[2.969,0.123]
1/1 [=====] - 0s 87ms/step
>2504, dr[0.445,0.533], df[0.248,0.084], g[2.286,0.168]
1/1 [=====] - 0s 83ms/step
>2505, dr[0.343,0.755], df[0.369,0.169], g[1.818,0.231]
1/1 [=====] - 0s 93ms/step
>2506, dr[0.366,0.611], df[0.383,0.251], g[2.287,0.102]
1/1 [=====] - 0s 78ms/step
>2507, dr[0.264,0.568], df[0.269,0.150], g[2.173,0.163]
1/1 [=====] - 0s 96ms/step
>2508, dr[0.315,0.577], df[0.261,0.087], g[2.601,0.157]
1/1 [=====] - 0s 96ms/step
>2509, dr[0.416,0.669], df[0.346,0.138], g[2.164,0.184]
1/1 [=====] - 0s 80ms/step
>2510, dr[0.327,0.633], df[0.554,0.137], g[2.212,0.106]
1/1 [=====] - 0s 113ms/step
>2511, dr[0.361,0.969], df[0.259,0.064], g[2.395,0.096]
1/1 [=====] - 0s 83ms/step
>2512, dr[0.350,0.541], df[0.171,0.152], g[1.981,0.253]
1/1 [=====] - 0s 94ms/step
>2513, dr[0.256,0.774], df[0.316,0.143], g[2.058,0.120]
1/1 [=====] - 0s 99ms/step
>2514, dr[0.238,0.701], df[0.307,0.115], g[2.327,0.152]
1/1 [=====] - 0s 155ms/step
>2515, dr[0.572,0.489], df[0.287,0.190], g[2.130,0.126]
1/1 [=====] - 0s 135ms/step
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>2516, dr[0.183,0.771], df[0.313,0.121], g[1.901,0.154]
1/1 [=====] - 0s 97ms/step
>2517, dr[0.180,0.815], df[0.592,0.236], g[2.412,0.093]
1/1 [=====] - 0s 99ms/step
>2518, dr[0.250,0.797], df[0.248,0.110], g[2.754,0.160]
1/1 [=====] - 0s 101ms/step
>2519, dr[0.770,0.767], df[0.386,0.227], g[2.044,0.207]
1/1 [=====] - 0s 126ms/step
>2520, dr[0.162,0.921], df[0.189,0.208], g[2.447,0.138]
1/1 [=====] - 0s 138ms/step
>2521, dr[0.491,0.677], df[0.235,0.061], g[1.769,0.208]
1/1 [=====] - 0s 151ms/step
>2522, dr[0.229,0.593], df[0.510,0.222], g[2.666,0.097]
1/1 [=====] - 0s 110ms/step
>2523, dr[0.493,0.569], df[0.515,0.282], g[2.491,0.175]
1/1 [=====] - 0s 134ms/step
>2524, dr[0.206,0.681], df[0.183,0.069], g[1.908,0.190]
1/1 [=====] - 0s 87ms/step
>2525, dr[0.460,0.727], df[0.407,0.141], g[2.670,0.133]
1/1 [=====] - 0s 86ms/step
>2526, dr[0.393,1.013], df[0.288,0.090], g[2.093,0.183]
1/1 [=====] - 0s 112ms/step
>2527, dr[0.137,0.637], df[0.347,0.105], g[2.015,0.151]
1/1 [=====] - 0s 84ms/step
>2528, dr[0.362,0.432], df[0.297,0.107], g[2.447,0.171]
1/1 [=====] - 0s 90ms/step
>2529, dr[0.484,0.446], df[0.409,0.125], g[2.624,0.189]
1/1 [=====] - 0s 86ms/step
>2530, dr[0.606,0.583], df[0.637,0.163], g[2.045,0.192]
1/1 [=====] - 0s 85ms/step
>2531, dr[0.300,0.566], df[0.500,0.182], g[2.404,0.066]
1/1 [=====] - 0s 85ms/step
>2532, dr[0.275,1.038], df[0.226,0.051], g[2.763,0.137]
1/1 [=====] - 0s 110ms/step
>2533, dr[0.278,0.727], df[0.217,0.244], g[2.732,0.049]
1/1 [=====] - 0s 120ms/step
>2534, dr[0.424,0.796], df[0.527,0.084], g[1.965,0.095]
1/1 [=====] - 0s 77ms/step
>2535, dr[0.199,0.281], df[0.123,0.103], g[2.243,0.148]
1/1 [=====] - 0s 94ms/step
>2536, dr[0.476,0.556], df[0.428,0.193], g[2.163,0.183]
1/1 [=====] - 0s 88ms/step
>2537, dr[0.451,1.000], df[0.242,0.107], g[1.342,0.209]
1/1 [=====] - 0s 92ms/step
>2538, dr[0.476,0.813], df[0.509,0.142], g[1.540,0.104]
1/1 [=====] - 0s 85ms/step
>2539, dr[0.459,0.864], df[0.468,0.333], g[1.872,0.083]
1/1 [=====] - 0s 95ms/step
>2540, dr[0.333,0.894], df[0.376,0.188], g[2.029,0.224]
1/1 [=====] - 0s 90ms/step
>2541, dr[0.266,0.913], df[0.512,0.198], g[2.297,0.175]
1/1 [=====] - 0s 90ms/step
>2542, dr[0.661,0.874], df[0.317,0.130], g[2.133,0.207]
1/1 [=====] - 0s 95ms/step
>2543, dr[0.449,0.505], df[0.379,0.190], g[2.106,0.124]
1/1 [=====] - 0s 89ms/step
>2544, dr[0.270,0.705], df[0.203,0.085], g[2.211,0.245]
1/1 [=====] - 0s 85ms/step
>2545, dr[0.303,0.679], df[0.197,0.084], g[1.790,0.192]
1/1 [=====] - 0s 90ms/step
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>2546, dr[0.199,0.432], df[0.632,0.068], g[2.427,0.106]
1/1 [=====] - 0s 92ms/step
>2547, dr[0.198,0.792], df[0.251,0.201], g[2.636,0.176]
1/1 [=====] - 0s 90ms/step
>2548, dr[0.582,0.686], df[0.424,0.136], g[2.620,0.251]
1/1 [=====] - 0s 87ms/step
>2549, dr[0.525,0.732], df[0.181,0.141], g[2.183,0.147]
1/1 [=====] - 0s 100ms/step
>2550, dr[0.328,1.748], df[0.217,0.143], g[1.968,0.203]
1/1 [=====] - 0s 84ms/step
>2551, dr[0.225,0.699], df[0.444,0.125], g[1.950,0.175]
1/1 [=====] - 0s 82ms/step
>2552, dr[0.142,0.601], df[0.379,0.552], g[2.452,0.133]
1/1 [=====] - 0s 90ms/step
>2553, dr[0.337,0.421], df[0.237,0.130], g[2.559,0.223]
1/1 [=====] - 0s 80ms/step
>2554, dr[0.374,1.076], df[0.308,0.200], g[2.118,0.168]
1/1 [=====] - 0s 89ms/step
>2555, dr[0.208,0.743], df[0.212,0.339], g[2.044,0.165]
1/1 [=====] - 0s 74ms/step
>2556, dr[0.331,0.795], df[0.353,0.170], g[2.424,0.156]
1/1 [=====] - 0s 83ms/step
>2557, dr[0.317,0.575], df[0.613,0.250], g[2.878,0.142]
1/1 [=====] - 0s 76ms/step
>2558, dr[0.494,0.704], df[0.289,0.307], g[2.505,0.157]
1/1 [=====] - 0s 79ms/step
>2559, dr[0.357,0.410], df[0.161,0.071], g[2.332,0.176]
1/1 [=====] - 0s 82ms/step
>2560, dr[0.412,0.386], df[0.459,0.268], g[1.994,0.108]
1/1 [=====] - 0s 75ms/step
>2561, dr[0.192,0.646], df[0.198,0.275], g[2.567,0.132]
1/1 [=====] - 0s 78ms/step
>2562, dr[0.441,0.814], df[0.500,0.130], g[1.768,0.185]
1/1 [=====] - 0s 73ms/step
>2563, dr[0.328,0.454], df[0.321,0.187], g[2.414,0.125]
1/1 [=====] - 0s 80ms/step
>2564, dr[0.238,0.722], df[0.457,0.184], g[2.003,0.146]
1/1 [=====] - 0s 94ms/step
>2565, dr[0.412,0.611], df[0.198,0.134], g[1.766,0.215]
1/1 [=====] - 0s 94ms/step
>2566, dr[0.329,0.709], df[0.458,0.124], g[2.236,0.102]
1/1 [=====] - 0s 82ms/step
>2567, dr[0.318,0.498], df[0.177,0.160], g[1.651,0.147]
1/1 [=====] - 0s 76ms/step
>2568, dr[0.349,0.218], df[0.672,0.157], g[2.349,0.146]
1/1 [=====] - 0s 89ms/step
>2569, dr[0.140,0.664], df[0.219,0.138], g[2.680,0.164]
1/1 [=====] - 0s 80ms/step
>2570, dr[0.477,0.844], df[0.249,0.077], g[2.502,0.174]
1/1 [=====] - 0s 76ms/step
>2571, dr[0.232,0.701], df[0.250,0.087], g[2.356,0.175]
1/1 [=====] - 0s 102ms/step
>2572, dr[0.405,0.787], df[0.612,0.128], g[2.557,0.200]
1/1 [=====] - 0s 79ms/step
>2573, dr[0.252,0.488], df[0.260,0.119], g[2.622,0.120]
1/1 [=====] - 0s 79ms/step
>2574, dr[0.402,0.635], df[0.188,0.112], g[2.299,0.097]
1/1 [=====] - 0s 82ms/step
>2575, dr[0.491,0.629], df[0.395,0.135], g[1.714,0.273]
1/1 [=====] - 0s 75ms/step
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>2576, dr[0.108,0.513], df[0.680,0.130], g[2.798,0.140]
1/1 [=====] - 0s 74ms/step
>2577, dr[0.543,0.719], df[0.332,0.111], g[2.666,0.098]
1/1 [=====] - 0s 75ms/step
>2578, dr[0.377,0.769], df[0.360,0.198], g[2.003,0.142]
1/1 [=====] - 0s 82ms/step
>2579, dr[0.315,1.037], df[0.342,0.088], g[2.376,0.083]
1/1 [=====] - 0s 78ms/step
>2580, dr[0.404,0.686], df[0.232,0.240], g[2.087,0.119]
1/1 [=====] - 0s 71ms/step
>2581, dr[0.293,0.643], df[0.251,0.083], g[2.344,0.167]
1/1 [=====] - 0s 79ms/step
>2582, dr[0.153,0.683], df[0.272,0.114], g[2.332,0.100]
1/1 [=====] - 0s 71ms/step
>2583, dr[0.186,0.579], df[0.342,0.071], g[2.209,0.109]
1/1 [=====] - 0s 75ms/step
>2584, dr[0.300,1.110], df[0.360,0.101], g[2.261,0.191]
1/1 [=====] - 0s 77ms/step
>2585, dr[0.381,0.836], df[0.457,0.072], g[3.142,0.099]
1/1 [=====] - 0s 79ms/step
>2586, dr[0.318,0.812], df[0.290,0.108], g[3.100,0.255]
1/1 [=====] - 0s 78ms/step
>2587, dr[0.475,0.512], df[0.258,0.158], g[2.489,0.179]
1/1 [=====] - 0s 77ms/step
>2588, dr[0.136,0.440], df[0.301,0.123], g[2.498,0.183]
1/1 [=====] - 0s 78ms/step
>2589, dr[0.500,0.468], df[0.457,0.095], g[2.778,0.098]
1/1 [=====] - 0s 82ms/step
>2590, dr[0.321,0.714], df[0.378,0.112], g[2.309,0.118]
1/1 [=====] - 0s 70ms/step
>2591, dr[0.504,0.560], df[0.357,0.113], g[2.187,0.116]
1/1 [=====] - 0s 79ms/step
>2592, dr[0.541,0.775], df[0.615,0.189], g[1.849,0.111]
1/1 [=====] - 0s 73ms/step
>2593, dr[0.363,0.617], df[0.459,0.188], g[2.141,0.148]
1/1 [=====] - 0s 82ms/step
>2594, dr[0.208,0.424], df[0.231,0.149], g[2.041,0.128]
1/1 [=====] - 0s 75ms/step
>2595, dr[0.515,0.819], df[0.331,0.127], g[2.550,0.120]
1/1 [=====] - 0s 80ms/step
>2596, dr[0.253,0.360], df[0.538,0.081], g[2.220,0.141]
1/1 [=====] - 0s 77ms/step
>2597, dr[0.153,0.481], df[0.193,0.167], g[2.752,0.107]
1/1 [=====] - 0s 76ms/step
>2598, dr[0.489,0.989], df[0.541,0.122], g[2.807,0.150]
1/1 [=====] - 0s 77ms/step
>2599, dr[0.216,0.448], df[0.275,0.114], g[2.932,0.185]
1/1 [=====] - 0s 80ms/step
>2600, dr[0.538,0.700], df[0.242,0.163], g[2.565,0.188]
1/1 [=====] - 0s 75ms/step
>2601, dr[0.200,0.277], df[0.307,0.094], g[2.455,0.152]
1/1 [=====] - 0s 73ms/step
>2602, dr[0.353,0.649], df[0.206,0.112], g[2.263,0.190]
1/1 [=====] - 0s 81ms/step
>2603, dr[0.286,0.615], df[0.245,0.168], g[1.855,0.128]
1/1 [=====] - 0s 70ms/step
>2604, dr[0.265,0.686], df[0.177,0.029], g[2.454,0.134]
1/1 [=====] - 0s 72ms/step
>2605, dr[0.141,0.681], df[0.295,0.084], g[2.019,0.167]
1/1 [=====] - 0s 71ms/step
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>2606, dr[0.275,0.850], df[0.415,0.182], g[2.169,0.168]
1/1 [=====] - 0s 74ms/step
>2607, dr[0.372,0.720], df[0.406,0.074], g[2.419,0.185]
1/1 [=====] - 0s 86ms/step
>2608, dr[0.321,0.852], df[0.254,0.072], g[3.095,0.078]
1/1 [=====] - 0s 75ms/step
>2609, dr[0.541,0.853], df[0.417,0.156], g[1.740,0.127]
1/1 [=====] - 0s 77ms/step
>2610, dr[0.230,0.743], df[0.347,0.179], g[1.783,0.156]
1/1 [=====] - 0s 75ms/step
>2611, dr[0.220,0.453], df[0.296,0.114], g[2.319,0.182]
1/1 [=====] - 0s 76ms/step
>2612, dr[0.167,0.690], df[0.296,0.128], g[2.372,0.161]
1/1 [=====] - 0s 72ms/step
>2613, dr[0.382,0.836], df[0.218,0.053], g[1.903,0.194]
1/1 [=====] - 0s 70ms/step
>2614, dr[0.281,1.078], df[0.250,0.101], g[2.334,0.144]
1/1 [=====] - 0s 76ms/step
>2615, dr[0.437,0.498], df[0.475,0.178], g[1.678,0.101]
1/1 [=====] - 0s 79ms/step
>2616, dr[0.167,0.977], df[0.393,0.180], g[1.990,0.104]
1/1 [=====] - 0s 77ms/step
>2617, dr[0.333,0.387], df[0.220,0.042], g[2.012,0.247]
1/1 [=====] - 0s 70ms/step
>2618, dr[0.496,0.725], df[0.407,0.117], g[2.101,0.128]
1/1 [=====] - 0s 82ms/step
>2619, dr[0.281,0.932], df[0.456,0.066], g[2.751,0.153]
1/1 [=====] - 0s 71ms/step
>2620, dr[0.494,0.407], df[0.302,0.139], g[1.565,0.295]
1/1 [=====] - 0s 75ms/step
>2621, dr[0.366,0.610], df[0.451,0.181], g[2.634,0.214]
1/1 [=====] - 0s 76ms/step
>2622, dr[0.359,0.996], df[0.367,0.087], g[2.258,0.216]
1/1 [=====] - 0s 72ms/step
>2623, dr[0.424,0.823], df[0.360,0.312], g[2.025,0.242]
1/1 [=====] - 0s 77ms/step
>2624, dr[0.134,0.854], df[0.308,0.113], g[2.715,0.141]
1/1 [=====] - 0s 72ms/step
>2625, dr[0.383,0.356], df[0.332,0.180], g[2.188,0.262]
1/1 [=====] - 0s 77ms/step
>2626, dr[0.292,0.731], df[0.345,0.158], g[2.063,0.157]
1/1 [=====] - 0s 76ms/step
>2627, dr[0.400,0.596], df[0.121,0.252], g[1.802,0.135]
1/1 [=====] - 0s 75ms/step
>2628, dr[0.353,0.630], df[0.469,0.091], g[2.356,0.173]
1/1 [=====] - 0s 71ms/step
>2629, dr[0.587,0.460], df[0.417,0.196], g[2.084,0.159]
1/1 [=====] - 0s 76ms/step
>2630, dr[0.189,0.355], df[0.316,0.257], g[2.294,0.285]
1/1 [=====] - 0s 73ms/step
>2631, dr[0.168,0.616], df[0.354,0.101], g[2.397,0.171]
1/1 [=====] - 0s 74ms/step
>2632, dr[0.504,0.888], df[0.315,0.104], g[2.422,0.169]
1/1 [=====] - 0s 80ms/step
>2633, dr[0.262,0.411], df[0.282,0.136], g[2.441,0.130]
1/1 [=====] - 0s 73ms/step
>2634, dr[0.560,0.538], df[0.433,0.119], g[2.117,0.368]
1/1 [=====] - 0s 79ms/step
>2635, dr[0.162,0.466], df[0.144,0.092], g[2.398,0.178]
1/1 [=====] - 0s 78ms/step
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>2636, dr[0.296,0.543], df[0.335,0.110], g[2.764,0.150]
1/1 [=====] - 0s 84ms/step
>2637, dr[0.237,0.753], df[0.399,0.124], g[2.578,0.170]
1/1 [=====] - 0s 87ms/step
>2638, dr[0.405,0.952], df[0.325,0.074], g[1.953,0.303]
1/1 [=====] - 0s 80ms/step
>2639, dr[0.292,0.586], df[0.287,0.099], g[2.526,0.232]
1/1 [=====] - 0s 93ms/step
>2640, dr[0.255,0.343], df[0.240,0.091], g[2.373,0.215]
1/1 [=====] - 0s 81ms/step
>2641, dr[0.750,0.846], df[0.129,0.139], g[2.307,0.230]
1/1 [=====] - 0s 80ms/step
>2642, dr[0.094,0.327], df[0.474,0.065], g[2.147,0.166]
1/1 [=====] - 0s 70ms/step
>2643, dr[0.342,0.687], df[0.483,0.119], g[2.159,0.142]
1/1 [=====] - 0s 73ms/step
>2644, dr[0.388,0.429], df[0.295,0.068], g[2.173,0.176]
1/1 [=====] - 0s 74ms/step
>2645, dr[0.264,0.549], df[0.138,0.100], g[2.341,0.167]
1/1 [=====] - 0s 76ms/step
>2646, dr[0.228,0.751], df[0.310,0.309], g[1.804,0.266]
1/1 [=====] - 0s 81ms/step
>2647, dr[0.274,0.705], df[0.717,0.416], g[2.887,0.175]
1/1 [=====] - 0s 79ms/step
>2648, dr[0.271,0.330], df[0.274,0.241], g[2.587,0.175]
1/1 [=====] - 0s 79ms/step
>2649, dr[0.256,0.720], df[0.253,0.153], g[2.574,0.253]
1/1 [=====] - 0s 75ms/step
>2650, dr[0.358,0.541], df[0.435,0.242], g[3.029,0.102]
1/1 [=====] - 0s 75ms/step
>2651, dr[0.430,0.513], df[0.143,0.182], g[2.162,0.310]
1/1 [=====] - 0s 73ms/step
>2652, dr[0.364,0.897], df[0.469,0.180], g[2.670,0.205]
1/1 [=====] - 0s 74ms/step
>2653, dr[0.137,0.766], df[0.406,0.078], g[2.301,0.168]
1/1 [=====] - 0s 70ms/step
>2654, dr[0.336,0.862], df[0.311,0.300], g[2.341,0.181]
1/1 [=====] - 0s 72ms/step
>2655, dr[0.475,0.978], df[0.496,0.179], g[2.146,0.250]
1/1 [=====] - 0s 76ms/step
>2656, dr[0.268,0.609], df[0.133,0.256], g[2.719,0.182]
1/1 [=====] - 0s 81ms/step
>2657, dr[0.201,0.608], df[0.271,0.200], g[3.110,0.133]
1/1 [=====] - 0s 89ms/step
>2658, dr[0.368,1.067], df[0.146,0.155], g[2.413,0.217]
1/1 [=====] - 0s 75ms/step
>2659, dr[0.450,0.590], df[0.303,0.421], g[2.760,0.168]
1/1 [=====] - 0s 87ms/step
>2660, dr[0.304,0.512], df[0.207,0.068], g[2.039,0.089]
1/1 [=====] - 0s 71ms/step
>2661, dr[0.286,0.325], df[0.373,0.116], g[1.906,0.194]
1/1 [=====] - 0s 75ms/step
>2662, dr[0.317,0.198], df[0.490,0.088], g[2.938,0.120]
1/1 [=====] - 0s 79ms/step
>2663, dr[0.334,0.850], df[0.380,0.068], g[2.831,0.127]
1/1 [=====] - 0s 71ms/step
>2664, dr[0.236,0.663], df[0.303,0.252], g[2.487,0.187]
1/1 [=====] - 0s 75ms/step
>2665, dr[0.494,0.381], df[0.212,0.176], g[2.125,0.187]
1/1 [=====] - 0s 74ms/step
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>2666, dr[0.437,0.473], df[0.374,0.260], g[1.797,0.155]
1/1 [=====] - 0s 75ms/step
>2667, dr[0.336,0.325], df[0.446,0.097], g[1.722,0.195]
1/1 [=====] - 0s 71ms/step
>2668, dr[0.142,0.639], df[0.261,0.100], g[2.941,0.171]
1/1 [=====] - 0s 73ms/step
>2669, dr[0.174,0.372], df[0.138,0.199], g[3.001,0.119]
1/1 [=====] - 0s 70ms/step
>2670, dr[0.223,0.386], df[0.202,0.311], g[2.466,0.084]
1/1 [=====] - 0s 71ms/step
>2671, dr[0.580,0.653], df[0.339,0.096], g[2.147,0.240]
1/1 [=====] - 0s 79ms/step
>2672, dr[0.583,0.776], df[0.276,0.103], g[1.859,0.248]
1/1 [=====] - 0s 71ms/step
>2673, dr[0.175,0.490], df[0.769,0.162], g[2.244,0.104]
1/1 [=====] - 0s 80ms/step
>2674, dr[0.533,0.815], df[0.414,0.147], g[2.695,0.087]
1/1 [=====] - 0s 71ms/step
>2675, dr[0.205,0.506], df[0.340,0.243], g[2.460,0.115]
1/1 [=====] - 0s 75ms/step
>2676, dr[0.563,0.460], df[0.328,0.079], g[2.035,0.205]
1/1 [=====] - 0s 72ms/step
>2677, dr[0.320,0.577], df[0.371,0.206], g[2.260,0.198]
1/1 [=====] - 0s 70ms/step
>2678, dr[0.233,0.300], df[0.330,0.120], g[2.350,0.137]
1/1 [=====] - 0s 70ms/step
>2679, dr[0.501,0.627], df[0.322,0.195], g[1.551,0.124]
1/1 [=====] - 0s 71ms/step
>2680, dr[0.365,0.578], df[0.473,0.072], g[1.913,0.227]
1/1 [=====] - 0s 78ms/step
>2681, dr[0.237,0.398], df[0.130,0.124], g[1.963,0.181]
1/1 [=====] - 0s 78ms/step
>2682, dr[0.256,0.607], df[0.224,0.189], g[1.895,0.117]
1/1 [=====] - 0s 81ms/step
>2683, dr[0.320,0.875], df[0.637,0.220], g[1.738,0.203]
1/1 [=====] - 0s 80ms/step
>2684, dr[0.378,0.445], df[0.421,0.221], g[2.150,0.192]
1/1 [=====] - 0s 83ms/step
>2685, dr[0.253,0.479], df[0.122,0.216], g[2.706,0.167]
1/1 [=====] - 0s 72ms/step
>2686, dr[0.414,0.466], df[0.216,0.161], g[1.584,0.176]
1/1 [=====] - 0s 77ms/step
>2687, dr[0.191,0.652], df[0.470,0.244], g[1.998,0.174]
1/1 [=====] - 0s 77ms/step
>2688, dr[0.449,0.633], df[0.460,0.174], g[2.805,0.261]
1/1 [=====] - 0s 71ms/step
>2689, dr[0.236,0.490], df[0.393,0.205], g[2.367,0.278]
1/1 [=====] - 0s 80ms/step
>2690, dr[0.583,0.108], df[0.381,0.130], g[1.953,0.205]
1/1 [=====] - 0s 72ms/step
>2691, dr[0.451,0.743], df[0.329,0.267], g[2.336,0.132]
1/1 [=====] - 0s 75ms/step
>2692, dr[0.316,0.406], df[0.355,0.110], g[2.116,0.239]
1/1 [=====] - 0s 72ms/step
>2693, dr[0.435,0.772], df[0.328,0.152], g[1.720,0.171]
1/1 [=====] - 0s 72ms/step
>2694, dr[0.352,0.781], df[0.965,0.332], g[2.512,0.141]
1/1 [=====] - 0s 72ms/step
>2695, dr[0.361,0.881], df[0.113,0.068], g[2.816,0.172]
1/1 [=====] - 0s 70ms/step
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>2696, dr[0.691,0.267], df[0.362,0.143], g[1.678,0.193]
1/1 [=====] - 0s 73ms/step
>2697, dr[0.333,0.467], df[0.273,0.225], g[1.592,0.145]
1/1 [=====] - 0s 78ms/step
>2698, dr[0.157,0.490], df[0.527,0.492], g[2.482,0.149]
1/1 [=====] - 0s 96ms/step
>2699, dr[0.287,0.486], df[0.466,0.191], g[2.957,0.120]
1/1 [=====] - 0s 87ms/step
>2700, dr[0.570,0.510], df[0.271,0.151], g[3.008,0.090]
1/1 [=====] - 0s 80ms/step
>2701, dr[0.353,0.600], df[0.644,0.143], g[2.760,0.165]
1/1 [=====] - 0s 83ms/step
>2702, dr[0.543,0.638], df[0.237,0.331], g[1.940,0.226]
1/1 [=====] - 0s 98ms/step
>2703, dr[0.482,0.770], df[0.501,0.189], g[2.250,0.089]
1/1 [=====] - 0s 79ms/step
>2704, dr[0.296,0.969], df[0.226,0.084], g[1.774,0.150]
1/1 [=====] - 0s 97ms/step
>2705, dr[0.350,0.873], df[0.272,0.163], g[2.182,0.232]
1/1 [=====] - 0s 100ms/step
>2706, dr[0.336,0.294], df[0.238,0.135], g[2.116,0.133]
1/1 [=====] - 0s 80ms/step
>2707, dr[0.334,1.059], df[0.510,0.243], g[1.501,0.209]
1/1 [=====] - 0s 86ms/step
>2708, dr[0.251,0.367], df[0.443,0.093], g[2.083,0.226]
1/1 [=====] - 0s 84ms/step
>2709, dr[0.305,1.248], df[0.407,0.358], g[2.551,0.119]
1/1 [=====] - 0s 75ms/step
>2710, dr[0.351,0.586], df[0.196,0.199], g[2.551,0.223]
1/1 [=====] - 0s 94ms/step
>2711, dr[0.527,0.585], df[0.274,0.165], g[2.175,0.118]
1/1 [=====] - 0s 87ms/step
>2712, dr[0.263,0.911], df[0.338,0.134], g[1.483,0.273]
1/1 [=====] - 0s 89ms/step
>2713, dr[0.158,0.511], df[0.335,0.268], g[2.753,0.151]
1/1 [=====] - 0s 110ms/step
>2714, dr[0.676,1.085], df[0.511,0.212], g[2.446,0.063]
1/1 [=====] - 0s 103ms/step
>2715, dr[0.346,0.982], df[0.506,0.239], g[2.642,0.168]
1/1 [=====] - 0s 81ms/step
>2716, dr[0.403,0.591], df[0.120,0.095], g[2.159,0.104]
1/1 [=====] - 0s 102ms/step
>2717, dr[0.400,0.581], df[0.135,0.039], g[1.946,0.132]
1/1 [=====] - 0s 89ms/step
>2718, dr[0.130,0.458], df[0.384,0.384], g[2.316,0.128]
1/1 [=====] - 0s 100ms/step
>2719, dr[0.209,0.804], df[0.374,0.088], g[2.799,0.148]
1/1 [=====] - 0s 100ms/step
>2720, dr[0.253,0.380], df[0.300,0.230], g[2.337,0.138]
1/1 [=====] - 0s 85ms/step
>2721, dr[0.223,0.605], df[0.271,0.262], g[2.824,0.158]
1/1 [=====] - 0s 96ms/step
>2722, dr[0.416,0.730], df[0.448,0.256], g[2.763,0.246]
1/1 [=====] - 0s 92ms/step
>2723, dr[0.256,0.852], df[0.437,0.218], g[2.918,0.157]
1/1 [=====] - 0s 88ms/step
>2724, dr[0.558,1.129], df[0.182,0.107], g[2.420,0.200]
1/1 [=====] - 0s 91ms/step
>2725, dr[0.431,1.078], df[0.316,0.138], g[2.142,0.137]
1/1 [=====] - 0s 91ms/step
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>2726, dr[0.361,0.715], df[0.494,0.408], g[2.482,0.152]
1/1 [=====] - 0s 88ms/step
>2727, dr[0.199,1.246], df[0.385,0.152], g[2.781,0.250]
1/1 [=====] - 0s 101ms/step
>2728, dr[0.265,0.905], df[0.374,0.125], g[2.496,0.172]
1/1 [=====] - 0s 96ms/step
>2729, dr[0.919,0.602], df[0.243,0.219], g[2.283,0.127]
1/1 [=====] - 0s 83ms/step
>2730, dr[0.549,0.459], df[0.671,0.182], g[1.719,0.238]
1/1 [=====] - 0s 85ms/step
>2731, dr[0.140,0.709], df[0.354,0.119], g[2.173,0.124]
1/1 [=====] - 0s 82ms/step
>2732, dr[0.447,0.881], df[0.295,0.258], g[2.282,0.176]
1/1 [=====] - 0s 79ms/step
>2733, dr[0.552,1.065], df[0.706,0.163], g[2.065,0.172]
1/1 [=====] - 0s 85ms/step
>2734, dr[0.494,0.448], df[0.388,0.210], g[2.459,0.109]
1/1 [=====] - 0s 91ms/step
>2735, dr[0.239,0.564], df[0.301,0.255], g[2.197,0.172]
1/1 [=====] - 0s 86ms/step
>2736, dr[0.406,0.549], df[0.285,0.122], g[2.544,0.115]
1/1 [=====] - 0s 91ms/step
>2737, dr[0.390,0.702], df[0.344,0.101], g[1.868,0.193]
1/1 [=====] - 0s 90ms/step
>2738, dr[0.293,0.779], df[0.240,0.398], g[1.761,0.076]
1/1 [=====] - 0s 83ms/step
>2739, dr[0.326,1.369], df[0.421,0.275], g[2.457,0.196]
1/1 [=====] - 0s 84ms/step
>2740, dr[0.361,0.687], df[0.221,0.371], g[2.571,0.162]
1/1 [=====] - 0s 81ms/step
>2741, dr[0.282,0.884], df[0.258,0.196], g[2.611,0.139]
1/1 [=====] - 0s 84ms/step
>2742, dr[0.293,1.383], df[0.338,0.284], g[2.130,0.171]
1/1 [=====] - 0s 96ms/step
>2743, dr[0.215,0.369], df[0.155,0.126], g[1.932,0.161]
1/1 [=====] - 0s 86ms/step
>2744, dr[0.378,0.439], df[0.199,0.219], g[1.862,0.143]
1/1 [=====] - 0s 74ms/step
>2745, dr[0.224,0.398], df[0.438,0.263], g[2.185,0.165]
1/1 [=====] - 0s 72ms/step
>2746, dr[0.334,0.739], df[0.323,0.152], g[1.977,0.162]
1/1 [=====] - 0s 122ms/step
>2747, dr[0.293,0.644], df[0.476,0.074], g[2.437,0.143]
1/1 [=====] - 0s 81ms/step
>2748, dr[0.383,0.441], df[0.263,0.284], g[2.751,0.207]
1/1 [=====] - 0s 80ms/step
>2749, dr[0.508,0.568], df[0.263,0.394], g[2.760,0.079]
1/1 [=====] - 0s 73ms/step
>2750, dr[0.276,0.559], df[0.349,0.169], g[2.722,0.180]
1/1 [=====] - 0s 75ms/step
>2751, dr[0.210,0.777], df[0.366,0.167], g[2.559,0.118]
1/1 [=====] - 0s 82ms/step
>2752, dr[0.297,0.818], df[0.238,0.169], g[2.600,0.145]
1/1 [=====] - 0s 82ms/step
>2753, dr[0.299,0.421], df[0.207,0.181], g[1.766,0.299]
1/1 [=====] - 0s 92ms/step
>2754, dr[0.191,0.289], df[0.496,0.076], g[2.487,0.077]
1/1 [=====] - 0s 82ms/step
>2755, dr[0.347,0.511], df[0.260,0.225], g[2.820,0.099]
1/1 [=====] - 0s 81ms/step
```

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>2756, dr[0.309,0.782], df[0.464,0.118], g[2.770,0.113]
1/1 [=====] - 0s 84ms/step
>2757, dr[0.179,0.476], df[0.477,0.165], g[3.043,0.187]
1/1 [=====] - 0s 80ms/step
>2758, dr[0.884,0.714], df[0.209,0.089], g[2.391,0.129]
1/1 [=====] - 0s 91ms/step
>2759, dr[0.189,0.828], df[0.446,0.091], g[2.539,0.066]
1/1 [=====] - 0s 163ms/step
>2760, dr[0.327,0.534], df[0.262,0.060], g[2.417,0.163]
1/1 [=====] - 0s 104ms/step
>2761, dr[0.200,1.193], df[0.476,0.084], g[2.204,0.155]
1/1 [=====] - 0s 89ms/step
>2762, dr[0.551,0.621], df[0.493,0.207], g[2.561,0.107]
1/1 [=====] - 0s 118ms/step
>2763, dr[0.207,0.345], df[0.455,0.115], g[2.538,0.103]
1/1 [=====] - 0s 118ms/step
>2764, dr[0.595,0.527], df[0.160,0.099], g[2.040,0.144]
1/1 [=====] - 0s 91ms/step
>2765, dr[0.371,0.478], df[0.648,0.101], g[1.707,0.125]
1/1 [=====] - 0s 123ms/step
>2766, dr[0.176,0.640], df[0.284,0.083], g[2.481,0.083]
1/1 [=====] - 0s 77ms/step
>2767, dr[0.262,0.483], df[0.348,0.211], g[2.708,0.117]
1/1 [=====] - 0s 94ms/step
>2768, dr[0.145,0.269], df[0.207,0.180], g[3.209,0.081]
1/1 [=====] - 0s 81ms/step
>2769, dr[0.693,0.481], df[0.421,0.121], g[2.164,0.136]
1/1 [=====] - 0s 87ms/step
>2770, dr[0.426,0.691], df[0.299,0.158], g[2.079,0.131]
1/1 [=====] - 0s 91ms/step
>2771, dr[0.248,0.430], df[0.455,0.092], g[1.998,0.128]
1/1 [=====] - 0s 83ms/step
>2772, dr[0.298,0.567], df[0.195,0.052], g[2.187,0.111]
1/1 [=====] - 0s 85ms/step
>2773, dr[0.167,0.565], df[0.307,0.100], g[2.127,0.069]
1/1 [=====] - 0s 82ms/step
>2774, dr[0.287,0.414], df[0.372,0.380], g[2.313,0.179]
1/1 [=====] - 0s 82ms/step
>2775, dr[0.405,0.623], df[0.291,0.159], g[2.718,0.153]
1/1 [=====] - 0s 86ms/step
>2776, dr[0.334,0.725], df[0.379,0.194], g[2.706,0.141]
1/1 [=====] - 0s 77ms/step
>2777, dr[0.408,0.585], df[0.323,0.121], g[2.491,0.074]
1/1 [=====] - 0s 75ms/step
>2778, dr[0.366,0.721], df[0.381,0.142], g[1.944,0.292]
1/1 [=====] - 0s 73ms/step
>2779, dr[0.249,0.464], df[0.316,0.090], g[2.354,0.092]
1/1 [=====] - 0s 112ms/step
>2780, dr[0.400,1.436], df[0.571,0.198], g[2.431,0.165]
1/1 [=====] - 0s 83ms/step
>2781, dr[0.335,0.817], df[0.411,0.086], g[2.784,0.140]
1/1 [=====] - 0s 83ms/step
>2782, dr[0.277,0.244], df[0.245,0.204], g[2.484,0.123]
1/1 [=====] - 0s 76ms/step
>2783, dr[0.456,0.391], df[0.240,0.144], g[2.525,0.111]
1/1 [=====] - 0s 88ms/step
>2784, dr[0.270,0.252], df[0.369,0.311], g[2.447,0.122]
1/1 [=====] - 0s 82ms/step
>2785, dr[0.300,0.499], df[0.361,0.091], g[2.501,0.102]
1/1 [=====] - 0s 93ms/step
```

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>2786, dr[0.234,0.696], df[0.330,0.301], g[2.839,0.098]
1/1 [=====] - 0s 82ms/step
>2787, dr[0.440,0.519], df[0.193,0.078], g[2.256,0.204]
1/1 [=====] - 0s 89ms/step
>2788, dr[0.313,0.577], df[0.270,0.126], g[2.141,0.113]
1/1 [=====] - 0s 94ms/step
>2789, dr[0.188,0.335], df[0.247,0.224], g[2.421,0.189]
1/1 [=====] - 0s 88ms/step
>2790, dr[0.150,0.530], df[0.245,0.129], g[2.452,0.132]
1/1 [=====] - 0s 97ms/step
>2791, dr[0.430,0.415], df[0.132,0.071], g[2.103,0.217]
1/1 [=====] - 0s 78ms/step
>2792, dr[0.290,1.087], df[0.415,0.156], g[1.663,0.197]
1/1 [=====] - 0s 86ms/step
>2793, dr[0.143,0.695], df[0.524,0.193], g[2.277,0.156]
1/1 [=====] - 0s 85ms/step
>2794, dr[0.288,0.902], df[0.290,0.133], g[2.329,0.225]
1/1 [=====] - 0s 80ms/step
>2795, dr[0.251,0.898], df[0.166,0.066], g[2.671,0.181]
1/1 [=====] - 0s 96ms/step
>2796, dr[0.594,0.857], df[0.191,0.234], g[2.313,0.153]
1/1 [=====] - 0s 96ms/step
>2797, dr[0.196,0.998], df[0.233,0.087], g[2.048,0.216]
1/1 [=====] - 0s 73ms/step
>2798, dr[0.179,0.578], df[0.385,0.125], g[2.071,0.122]
1/1 [=====] - 0s 74ms/step
>2799, dr[0.213,0.410], df[0.390,0.219], g[2.005,0.282]
1/1 [=====] - 0s 85ms/step
>2800, dr[0.455,0.656], df[0.658,0.194], g[2.665,0.128]
1/1 [=====] - 0s 73ms/step
>2801, dr[0.147,0.678], df[0.226,0.231], g[2.739,0.142]
1/1 [=====] - 0s 95ms/step
>2802, dr[0.773,0.835], df[0.241,0.098], g[2.315,0.120]
1/1 [=====] - 0s 79ms/step
>2803, dr[0.330,0.437], df[0.284,0.129], g[1.582,0.235]
1/1 [=====] - 0s 75ms/step
>2804, dr[0.124,0.711], df[0.584,0.107], g[2.107,0.174]
1/1 [=====] - 0s 109ms/step
>2805, dr[0.311,0.441], df[0.262,0.100], g[3.476,0.105]
1/1 [=====] - 0s 88ms/step
>2806, dr[0.808,0.997], df[0.282,0.106], g[1.984,0.348]
1/1 [=====] - 0s 87ms/step
>2807, dr[0.138,0.505], df[0.476,0.312], g[2.327,0.149]
1/1 [=====] - 0s 90ms/step
>2808, dr[0.213,0.419], df[0.392,0.092], g[1.689,0.169]
1/1 [=====] - 0s 223ms/step
>2809, dr[0.300,0.469], df[0.341,0.105], g[2.449,0.185]
1/1 [=====] - 0s 80ms/step
>2810, dr[0.217,0.451], df[0.252,0.132], g[2.518,0.205]
1/1 [=====] - 0s 113ms/step
>2811, dr[0.421,0.712], df[0.302,0.168], g[2.571,0.122]
4/4 [=====] - 1s 74ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 78ms/step
>2812, dr[0.488,0.475], df[0.343,0.263], g[2.146,0.135]
1/1 [=====] - 0s 81ms/step
>2813, dr[0.400,0.785], df[0.549,0.142], g[1.855,0.266]
1/1 [=====] - 0s 90ms/step

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>2814, dr[0.170,1.272], df[0.303,0.171], g[2.233,0.137]
1/1 [=====] - 0s 91ms/step
>2815, dr[0.417,0.864], df[0.312,0.107], g[2.077,0.169]
1/1 [=====] - 0s 128ms/step
>2816, dr[0.446,0.653], df[0.335,0.200], g[2.177,0.217]
1/1 [=====] - 0s 81ms/step
>2817, dr[0.173,0.424], df[0.396,0.181], g[2.487,0.215]
1/1 [=====] - 0s 78ms/step
>2818, dr[0.227,0.853], df[0.446,0.240], g[2.643,0.107]
1/1 [=====] - 0s 82ms/step
>2819, dr[0.384,0.683], df[0.273,0.119], g[2.706,0.136]
1/1 [=====] - 0s 85ms/step
>2820, dr[0.319,0.853], df[0.263,0.178], g[2.273,0.180]
1/1 [=====] - 0s 80ms/step
>2821, dr[0.519,0.874], df[0.530,0.143], g[2.090,0.154]
1/1 [=====] - 0s 91ms/step
>2822, dr[0.402,0.290], df[0.218,0.207], g[2.398,0.174]
1/1 [=====] - 0s 87ms/step
>2823, dr[0.330,0.765], df[0.407,0.093], g[2.665,0.144]
1/1 [=====] - 0s 75ms/step
>2824, dr[0.427,0.459], df[0.512,0.147], g[2.192,0.266]
1/1 [=====] - 0s 83ms/step
>2825, dr[0.478,0.775], df[0.260,0.156], g[1.919,0.158]
1/1 [=====] - 0s 82ms/step
>2826, dr[0.373,1.107], df[0.382,0.168], g[1.990,0.239]
1/1 [=====] - 0s 77ms/step
>2827, dr[0.183,0.497], df[0.432,0.140], g[2.413,0.178]
1/1 [=====] - 0s 78ms/step
>2828, dr[0.424,0.306], df[0.375,0.395], g[2.679,0.148]
1/1 [=====] - 0s 76ms/step
>2829, dr[0.413,0.804], df[0.394,0.128], g[2.372,0.170]
1/1 [=====] - 0s 74ms/step
>2830, dr[0.803,0.649], df[0.270,0.053], g[1.380,0.206]
1/1 [=====] - 0s 83ms/step
>2831, dr[0.178,0.594], df[0.483,0.199], g[2.496,0.209]
1/1 [=====] - 0s 81ms/step
>2832, dr[0.209,0.605], df[0.217,0.161], g[2.300,0.097]
1/1 [=====] - 0s 84ms/step
>2833, dr[0.478,0.198], df[0.309,0.139], g[1.908,0.089]
1/1 [=====] - 0s 77ms/step
>2834, dr[0.352,0.460], df[0.471,0.279], g[1.686,0.180]
1/1 [=====] - 0s 79ms/step
>2835, dr[0.263,0.275], df[0.272,0.100], g[2.079,0.157]
1/1 [=====] - 0s 82ms/step
>2836, dr[0.326,0.537], df[0.306,0.047], g[1.789,0.176]
1/1 [=====] - 0s 73ms/step
>2837, dr[0.318,0.811], df[0.275,0.189], g[1.990,0.129]
1/1 [=====] - 0s 90ms/step
>2838, dr[0.411,0.910], df[0.244,0.075], g[2.248,0.205]
1/1 [=====] - 0s 156ms/step
>2839, dr[0.282,0.437], df[0.477,0.174], g[2.137,0.340]
1/1 [=====] - 0s 99ms/step
>2840, dr[0.353,1.157], df[0.169,0.170], g[2.681,0.087]
1/1 [=====] - 0s 86ms/step
>2841, dr[0.348,0.418], df[0.347,0.123], g[2.388,0.270]
1/1 [=====] - 0s 109ms/step
>2842, dr[0.446,0.381], df[0.296,0.150], g[2.368,0.156]
1/1 [=====] - 0s 93ms/step
>2843, dr[0.488,0.608], df[0.460,0.246], g[2.235,0.161]
1/1 [=====] - 0s 78ms/step
```

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>2844, dr[0.290,0.335], df[0.364,0.127], g[2.060,0.169]
1/1 [=====] - 0s 75ms/step
>2845, dr[0.237,0.663], df[0.405,0.172], g[2.252,0.140]
1/1 [=====] - 0s 80ms/step
>2846, dr[0.337,0.833], df[0.233,0.143], g[2.254,0.179]
1/1 [=====] - 0s 77ms/step
>2847, dr[0.399,0.473], df[0.267,0.096], g[2.222,0.197]
1/1 [=====] - 0s 82ms/step
>2848, dr[0.118,0.484], df[0.282,0.148], g[2.500,0.217]
1/1 [=====] - 0s 82ms/step
>2849, dr[0.332,0.575], df[0.340,0.226], g[2.030,0.157]
1/1 [=====] - 0s 77ms/step
>2850, dr[0.255,0.500], df[0.166,0.034], g[2.326,0.297]
1/1 [=====] - 0s 89ms/step
>2851, dr[0.316,0.323], df[0.270,0.232], g[2.038,0.191]
1/1 [=====] - 0s 75ms/step
>2852, dr[0.275,0.426], df[0.424,0.270], g[2.088,0.201]
1/1 [=====] - 0s 76ms/step
>2853, dr[0.243,0.849], df[0.285,0.257], g[2.114,0.197]
1/1 [=====] - 0s 97ms/step
>2854, dr[0.377,0.731], df[0.254,0.194], g[2.475,0.225]
1/1 [=====] - 0s 90ms/step
>2855, dr[0.296,0.441], df[0.319,0.221], g[2.158,0.145]
1/1 [=====] - 0s 76ms/step
>2856, dr[0.383,0.751], df[0.209,0.067], g[2.084,0.238]
1/1 [=====] - 0s 94ms/step
>2857, dr[0.351,0.839], df[0.309,0.218], g[1.905,0.228]
1/1 [=====] - 0s 77ms/step
>2858, dr[0.246,1.130], df[0.534,0.214], g[1.848,0.218]
1/1 [=====] - 0s 76ms/step
>2859, dr[0.253,0.542], df[0.343,0.259], g[2.729,0.116]
1/1 [=====] - 0s 78ms/step
>2860, dr[0.455,0.849], df[0.280,0.200], g[2.338,0.181]
1/1 [=====] - 0s 97ms/step
>2861, dr[0.293,0.490], df[0.189,0.250], g[1.730,0.209]
1/1 [=====] - 0s 96ms/step
>2862, dr[0.241,0.687], df[0.414,0.102], g[2.289,0.185]
1/1 [=====] - 0s 79ms/step
>2863, dr[0.363,0.602], df[0.502,0.238], g[2.379,0.145]
1/1 [=====] - 0s 88ms/step
>2864, dr[0.416,0.513], df[0.369,0.058], g[1.813,0.172]
1/1 [=====] - 0s 78ms/step
>2865, dr[0.184,0.502], df[0.295,0.268], g[2.402,0.135]
1/1 [=====] - 0s 87ms/step
>2866, dr[0.341,0.461], df[0.295,0.088], g[2.813,0.121]
1/1 [=====] - 0s 77ms/step
>2867, dr[0.500,0.515], df[0.365,0.149], g[2.586,0.086]
1/1 [=====] - 0s 81ms/step
>2868, dr[0.322,0.643], df[0.371,0.206], g[2.311,0.220]
1/1 [=====] - 0s 81ms/step
>2869, dr[0.294,0.747], df[0.348,0.188], g[2.367,0.253]
1/1 [=====] - 0s 76ms/step
>2870, dr[0.486,1.015], df[0.446,0.084], g[2.379,0.141]
1/1 [=====] - 0s 87ms/step
>2871, dr[0.221,0.531], df[0.190,0.251], g[2.074,0.130]
1/1 [=====] - 0s 79ms/step
>2872, dr[0.375,0.555], df[0.382,0.154], g[2.993,0.162]
1/1 [=====] - 0s 82ms/step
>2873, dr[0.371,0.442], df[0.453,0.214], g[2.518,0.149]
1/1 [=====] - 0s 78ms/step
```

```
>2874, dr[0.413,0.586], df[0.306,0.208], g[2.337,0.143]
1/1 [=====] - 0s 73ms/step
>2875, dr[0.275,0.768], df[0.438,0.321], g[1.987,0.129]
1/1 [=====] - 0s 75ms/step
>2876, dr[0.561,0.955], df[0.471,0.128], g[1.784,0.337]
1/1 [=====] - 0s 78ms/step
>2877, dr[0.324,0.999], df[0.444,0.097], g[2.712,0.241]
1/1 [=====] - 0s 83ms/step
>2878, dr[0.495,0.793], df[0.256,0.141], g[2.287,0.101]
1/1 [=====] - 0s 86ms/step
>2879, dr[0.292,0.889], df[0.348,0.175], g[2.390,0.137]
1/1 [=====] - 0s 82ms/step
>2880, dr[0.315,0.815], df[0.241,0.091], g[1.575,0.154]
1/1 [=====] - 0s 101ms/step
>2881, dr[0.291,0.813], df[0.553,0.207], g[2.040,0.143]
1/1 [=====] - 0s 77ms/step
>2882, dr[0.373,0.931], df[0.549,0.208], g[2.245,0.172]
1/1 [=====] - 0s 89ms/step
>2883, dr[0.420,1.012], df[0.358,0.081], g[2.334,0.101]
1/1 [=====] - 0s 78ms/step
>2884, dr[0.128,0.387], df[0.173,0.127], g[2.543,0.145]
1/1 [=====] - 0s 87ms/step
>2885, dr[0.390,1.154], df[0.344,0.145], g[1.989,0.223]
1/1 [=====] - 0s 93ms/step
>2886, dr[0.250,0.507], df[0.530,0.140], g[2.337,0.247]
1/1 [=====] - 0s 81ms/step
>2887, dr[0.329,0.774], df[0.381,0.111], g[2.785,0.123]
1/1 [=====] - 0s 75ms/step
>2888, dr[0.300,0.576], df[0.197,0.141], g[2.953,0.257]
1/1 [=====] - 0s 86ms/step
>2889, dr[0.502,0.705], df[0.348,0.153], g[2.329,0.263]
1/1 [=====] - 0s 88ms/step
>2890, dr[0.429,0.918], df[0.380,0.064], g[1.810,0.166]
1/1 [=====] - 0s 76ms/step
>2891, dr[0.229,0.543], df[0.185,0.243], g[1.963,0.215]
1/1 [=====] - 0s 83ms/step
>2892, dr[0.223,0.624], df[0.261,0.201], g[2.178,0.086]
1/1 [=====] - 0s 75ms/step
>2893, dr[0.321,0.887], df[0.393,0.076], g[2.702,0.342]
1/1 [=====] - 0s 83ms/step
>2894, dr[0.203,0.465], df[0.368,0.108], g[2.405,0.174]
1/1 [=====] - 0s 76ms/step
>2895, dr[0.389,0.385], df[0.247,0.124], g[2.751,0.154]
1/1 [=====] - 0s 77ms/step
>2896, dr[0.590,0.677], df[0.257,0.170], g[2.118,0.332]
1/1 [=====] - 0s 75ms/step
>2897, dr[0.405,0.477], df[0.235,0.227], g[2.241,0.255]
1/1 [=====] - 0s 77ms/step
>2898, dr[0.402,0.943], df[0.201,0.157], g[2.054,0.207]
1/1 [=====] - 0s 89ms/step
>2899, dr[0.171,0.736], df[0.572,0.105], g[2.784,0.249]
1/1 [=====] - 0s 82ms/step
>2900, dr[0.202,0.377], df[0.360,0.066], g[2.844,0.144]
1/1 [=====] - 0s 80ms/step
>2901, dr[0.811,1.055], df[0.327,0.131], g[2.226,0.070]
1/1 [=====] - 0s 82ms/step
>2902, dr[0.086,0.732], df[0.246,0.072], g[2.437,0.210]
1/1 [=====] - 0s 75ms/step
>2903, dr[0.235,0.858], df[0.555,0.263], g[2.508,0.176]
1/1 [=====] - 0s 80ms/step
```

```
>2904, dr[0.233,0.801], df[0.178,0.033], g[2.730,0.253]
1/1 [=====] - 0s 78ms/step
>2905, dr[0.419,0.682], df[0.362,0.142], g[2.602,0.139]
1/1 [=====] - 0s 80ms/step
>2906, dr[0.444,0.551], df[0.372,0.192], g[2.592,0.231]
1/1 [=====] - 0s 75ms/step
>2907, dr[0.188,0.663], df[0.313,0.108], g[3.079,0.079]
1/1 [=====] - 0s 75ms/step
>2908, dr[0.317,0.369], df[0.306,0.082], g[2.703,0.115]
1/1 [=====] - 0s 86ms/step
>2909, dr[0.479,0.928], df[0.323,0.239], g[2.495,0.257]
1/1 [=====] - 0s 82ms/step
>2910, dr[0.373,0.748], df[0.465,0.133], g[2.755,0.115]
1/1 [=====] - 0s 87ms/step
>2911, dr[0.740,0.708], df[0.370,0.129], g[2.051,0.149]
1/1 [=====] - 0s 92ms/step
>2912, dr[0.130,0.860], df[0.414,0.357], g[2.265,0.169]
1/1 [=====] - 0s 76ms/step
>2913, dr[0.271,0.537], df[0.387,0.195], g[2.778,0.109]
1/1 [=====] - 0s 82ms/step
>2914, dr[0.352,0.478], df[0.126,0.168], g[2.956,0.141]
1/1 [=====] - 0s 82ms/step
>2915, dr[0.255,0.639], df[0.279,0.164], g[2.385,0.172]
1/1 [=====] - 0s 78ms/step
>2916, dr[0.188,0.583], df[0.299,0.168], g[2.361,0.137]
1/1 [=====] - 0s 84ms/step
>2917, dr[0.481,1.006], df[0.386,0.163], g[2.171,0.168]
1/1 [=====] - 0s 78ms/step
>2918, dr[0.265,0.262], df[0.329,0.092], g[2.900,0.138]
1/1 [=====] - 0s 79ms/step
>2919, dr[0.559,0.383], df[0.275,0.276], g[1.876,0.155]
1/1 [=====] - 0s 98ms/step
>2920, dr[0.535,0.463], df[0.522,0.151], g[1.929,0.243]
1/1 [=====] - 0s 74ms/step
>2921, dr[0.158,0.563], df[0.360,0.047], g[2.156,0.111]
1/1 [=====] - 0s 85ms/step
>2922, dr[0.397,0.761], df[0.301,0.111], g[2.287,0.146]
1/1 [=====] - 0s 170ms/step
>2923, dr[0.316,0.309], df[0.243,0.199], g[2.234,0.131]
1/1 [=====] - 0s 83ms/step
>2924, dr[0.364,0.984], df[0.567,0.241], g[2.582,0.164]
1/1 [=====] - 0s 75ms/step
>2925, dr[0.276,0.482], df[0.450,0.411], g[2.078,0.111]
1/1 [=====] - 0s 122ms/step
>2926, dr[0.444,0.882], df[0.603,0.092], g[2.061,0.290]
1/1 [=====] - 0s 90ms/step
>2927, dr[0.314,0.812], df[0.346,0.138], g[2.346,0.174]
1/1 [=====] - 0s 99ms/step
>2928, dr[0.411,1.261], df[0.422,0.175], g[2.014,0.126]
1/1 [=====] - 0s 83ms/step
>2929, dr[0.308,0.393], df[0.392,0.060], g[2.646,0.169]
1/1 [=====] - 0s 91ms/step
>2930, dr[0.391,0.338], df[0.089,0.305], g[1.972,0.083]
1/1 [=====] - 0s 79ms/step
>2931, dr[0.389,0.556], df[0.773,0.223], g[2.194,0.197]
1/1 [=====] - 0s 79ms/step
>2932, dr[0.363,0.774], df[0.162,0.163], g[2.392,0.251]
1/1 [=====] - 0s 83ms/step
>2933, dr[0.277,0.708], df[0.387,0.112], g[2.460,0.147]
1/1 [=====] - 0s 90ms/step
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>2934, dr[0.239,0.690], df[0.617,0.152], g[2.391,0.204]
1/1 [=====] - 0s 86ms/step
>2935, dr[0.562,0.741], df[0.549,0.204], g[2.152,0.266]
1/1 [=====] - 0s 90ms/step
>2936, dr[0.432,0.496], df[0.370,0.196], g[2.458,0.167]
1/1 [=====] - 0s 82ms/step
>2937, dr[0.189,0.464], df[0.228,0.088], g[2.271,0.102]
1/1 [=====] - 0s 85ms/step
>2938, dr[0.339,1.052], df[0.316,0.069], g[1.977,0.258]
1/1 [=====] - 0s 81ms/step
>2939, dr[0.317,0.449], df[0.215,0.143], g[2.287,0.153]
1/1 [=====] - 0s 78ms/step
>2940, dr[0.290,0.774], df[0.249,0.057], g[2.094,0.137]
1/1 [=====] - 0s 100ms/step
>2941, dr[0.344,0.534], df[0.440,0.319], g[2.233,0.159]
1/1 [=====] - 0s 96ms/step
>2942, dr[0.315,0.453], df[0.559,0.187], g[2.089,0.260]
1/1 [=====] - 0s 92ms/step
>2943, dr[0.358,0.452], df[0.445,0.336], g[3.000,0.096]
1/1 [=====] - 0s 79ms/step
>2944, dr[0.535,0.740], df[0.360,0.139], g[2.160,0.139]
1/1 [=====] - 0s 81ms/step
>2945, dr[0.330,0.729], df[0.487,0.058], g[2.662,0.108]
1/1 [=====] - 0s 86ms/step
>2946, dr[0.287,0.478], df[0.189,0.146], g[2.452,0.139]
1/1 [=====] - 0s 87ms/step
>2947, dr[0.172,0.607], df[0.169,0.089], g[2.118,0.228]
1/1 [=====] - 0s 80ms/step
>2948, dr[0.789,0.764], df[0.762,0.225], g[2.002,0.273]
1/1 [=====] - 0s 96ms/step
>2949, dr[0.327,0.821], df[0.382,0.098], g[1.777,0.239]
1/1 [=====] - 0s 79ms/step
>2950, dr[0.288,0.259], df[0.293,0.105], g[2.045,0.181]
1/1 [=====] - 0s 77ms/step
>2951, dr[0.535,0.524], df[0.259,0.152], g[2.505,0.292]
1/1 [=====] - 0s 80ms/step
>2952, dr[0.235,1.341], df[0.365,0.077], g[2.769,0.121]
1/1 [=====] - 0s 77ms/step
>2953, dr[0.292,0.571], df[0.137,0.117], g[2.435,0.168]
1/1 [=====] - 0s 84ms/step
>2954, dr[0.368,0.656], df[0.278,0.216], g[1.752,0.154]
1/1 [=====] - 0s 80ms/step
>2955, dr[0.267,0.406], df[0.642,0.133], g[1.993,0.416]
1/1 [=====] - 0s 128ms/step
>2956, dr[0.368,0.573], df[0.319,0.131], g[2.307,0.104]
1/1 [=====] - 0s 79ms/step
>2957, dr[0.354,0.837], df[0.299,0.131], g[2.173,0.170]
1/1 [=====] - 0s 88ms/step
>2958, dr[0.187,0.455], df[0.705,0.203], g[2.841,0.235]
1/1 [=====] - 0s 97ms/step
>2959, dr[0.484,0.372], df[0.167,0.140], g[2.700,0.218]
1/1 [=====] - 0s 84ms/step
>2960, dr[0.495,0.473], df[0.408,0.258], g[1.895,0.218]
1/1 [=====] - 0s 119ms/step
>2961, dr[0.386,0.543], df[0.156,0.236], g[2.010,0.233]
1/1 [=====] - 0s 91ms/step
>2962, dr[0.496,0.917], df[0.374,0.136], g[1.924,0.220]
1/1 [=====] - 0s 194ms/step
>2963, dr[0.163,1.207], df[0.417,0.103], g[2.111,0.204]
1/1 [=====] - 0s 163ms/step
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>2964, dr[0.221,0.378], df[0.257,0.077], g[2.238,0.246]
1/1 [=====] - 0s 97ms/step
>2965, dr[0.212,0.360], df[0.259,0.070], g[2.454,0.292]
1/1 [=====] - 0s 87ms/step
>2966, dr[0.274,0.309], df[0.122,0.401], g[2.530,0.185]
1/1 [=====] - 0s 107ms/step
>2967, dr[0.261,0.321], df[0.329,0.221], g[2.326,0.208]
1/1 [=====] - 0s 89ms/step
>2968, dr[0.278,0.336], df[0.284,0.125], g[1.886,0.198]
1/1 [=====] - 0s 85ms/step
>2969, dr[0.336,0.415], df[0.309,0.234], g[2.310,0.240]
1/1 [=====] - 0s 77ms/step
>2970, dr[0.419,1.133], df[0.264,0.107], g[2.053,0.126]
1/1 [=====] - 0s 85ms/step
>2971, dr[0.305,0.383], df[0.419,0.173], g[1.876,0.113]
1/1 [=====] - 0s 86ms/step
>2972, dr[0.378,0.696], df[0.307,0.060], g[2.150,0.228]
1/1 [=====] - 0s 84ms/step
>2973, dr[0.390,0.534], df[0.507,0.201], g[2.008,0.301]
1/1 [=====] - 0s 81ms/step
>2974, dr[0.402,0.855], df[0.370,0.084], g[1.994,0.221]
1/1 [=====] - 0s 82ms/step
>2975, dr[0.343,0.897], df[0.504,0.420], g[2.199,0.447]
1/1 [=====] - 0s 117ms/step
>2976, dr[0.619,0.849], df[0.354,0.314], g[2.090,0.157]
1/1 [=====] - 0s 91ms/step
>2977, dr[0.293,0.788], df[0.245,0.072], g[1.993,0.253]
1/1 [=====] - 0s 78ms/step
>2978, dr[0.260,0.767], df[0.252,0.094], g[1.939,0.183]
1/1 [=====] - 0s 82ms/step
>2979, dr[0.409,0.779], df[0.595,0.251], g[2.605,0.164]
1/1 [=====] - 0s 81ms/step
>2980, dr[0.415,0.683], df[0.320,0.213], g[2.206,0.199]
1/1 [=====] - 0s 86ms/step
>2981, dr[0.398,0.804], df[0.232,0.279], g[2.153,0.123]
1/1 [=====] - 0s 82ms/step
>2982, dr[0.505,0.753], df[0.289,0.085], g[1.675,0.307]
1/1 [=====] - 0s 80ms/step
>2983, dr[0.243,0.530], df[0.365,0.207], g[2.012,0.191]
1/1 [=====] - 0s 87ms/step
>2984, dr[0.189,0.493], df[0.365,0.116], g[2.568,0.110]
1/1 [=====] - 0s 77ms/step
>2985, dr[0.223,0.530], df[0.131,0.113], g[1.919,0.230]
1/1 [=====] - 0s 79ms/step
>2986, dr[0.165,0.566], df[0.208,0.160], g[2.139,0.166]
1/1 [=====] - 0s 79ms/step
>2987, dr[0.476,0.671], df[0.250,0.264], g[1.831,0.111]
1/1 [=====] - 0s 77ms/step
>2988, dr[0.349,0.659], df[0.295,0.233], g[1.773,0.357]
1/1 [=====] - 0s 85ms/step
>2989, dr[0.370,0.756], df[0.443,0.069], g[2.214,0.133]
1/1 [=====] - 0s 87ms/step
>2990, dr[0.129,0.304], df[0.466,0.248], g[3.085,0.187]
1/1 [=====] - 0s 82ms/step
>2991, dr[0.296,0.503], df[0.175,0.103], g[2.650,0.275]
1/1 [=====] - 0s 80ms/step
>2992, dr[0.190,0.449], df[0.305,0.353], g[2.627,0.278]
1/1 [=====] - 0s 107ms/step
>2993, dr[0.390,0.850], df[0.281,0.122], g[2.534,0.295]
1/1 [=====] - 0s 94ms/step
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>2994, dr[0.512,0.749], df[0.454,0.307], g[2.126,0.247]
1/1 [=====] - 0s 82ms/step
>2995, dr[0.395,0.488], df[0.313,0.353], g[2.031,0.304]
1/1 [=====] - 0s 83ms/step
>2996, dr[0.399,1.027], df[0.476,0.094], g[2.614,0.163]
1/1 [=====] - 0s 78ms/step
>2997, dr[0.361,1.195], df[0.325,0.240], g[1.913,0.353]
1/1 [=====] - 0s 82ms/step
>2998, dr[0.302,0.323], df[0.357,0.094], g[2.500,0.232]
1/1 [=====] - 0s 96ms/step
>2999, dr[0.287,0.886], df[0.420,0.187], g[2.266,0.241]
1/1 [=====] - 0s 91ms/step
>3000, dr[0.415,0.815], df[0.214,0.101], g[2.777,0.166]
1/1 [=====] - 0s 85ms/step
>3001, dr[0.297,0.826], df[0.210,0.170], g[1.704,0.458]
1/1 [=====] - 0s 102ms/step
>3002, dr[0.297,1.117], df[0.605,0.333], g[2.535,0.112]
1/1 [=====] - 0s 102ms/step
>3003, dr[0.178,0.437], df[0.229,0.181], g[3.014,0.131]
1/1 [=====] - 0s 83ms/step
>3004, dr[0.679,0.477], df[0.407,0.263], g[2.322,0.224]
1/1 [=====] - 0s 87ms/step
>3005, dr[0.150,0.341], df[0.130,0.197], g[2.504,0.149]
1/1 [=====] - 0s 94ms/step
>3006, dr[0.345,0.664], df[0.439,0.137], g[2.428,0.255]
1/1 [=====] - 0s 87ms/step
>3007, dr[0.412,0.992], df[0.303,0.220], g[1.680,0.102]
1/1 [=====] - 0s 87ms/step
>3008, dr[0.527,0.809], df[0.561,0.209], g[2.435,0.199]
1/1 [=====] - 0s 87ms/step
>3009, dr[0.270,1.073], df[0.323,0.105], g[1.940,0.130]
1/1 [=====] - 0s 148ms/step
>3010, dr[0.358,0.663], df[0.231,0.113], g[2.192,0.206]
1/1 [=====] - 0s 117ms/step
>3011, dr[0.331,0.308], df[0.399,0.117], g[2.136,0.188]
1/1 [=====] - 0s 94ms/step
>3012, dr[0.227,0.811], df[0.294,0.075], g[2.458,0.219]
1/1 [=====] - 0s 133ms/step
>3013, dr[0.320,0.835], df[0.517,0.472], g[2.801,0.220]
1/1 [=====] - 0s 111ms/step
>3014, dr[0.406,0.878], df[0.213,0.125], g[2.200,0.200]
1/1 [=====] - 0s 83ms/step
>3015, dr[0.376,0.777], df[0.293,0.140], g[2.090,0.323]
1/1 [=====] - 0s 89ms/step
>3016, dr[0.366,0.642], df[0.252,0.326], g[1.918,0.143]
1/1 [=====] - 0s 113ms/step
>3017, dr[0.280,0.602], df[0.384,0.272], g[2.172,0.284]
1/1 [=====] - 0s 96ms/step
>3018, dr[0.408,0.583], df[0.271,0.414], g[2.377,0.202]
1/1 [=====] - 0s 84ms/step
>3019, dr[0.442,0.606], df[0.347,0.233], g[2.029,0.139]
1/1 [=====] - 0s 110ms/step
>3020, dr[0.258,1.062], df[0.321,0.186], g[2.202,0.296]
1/1 [=====] - 0s 84ms/step
>3021, dr[0.483,0.710], df[0.426,0.216], g[2.111,0.110]
1/1 [=====] - 0s 83ms/step
>3022, dr[0.289,0.432], df[0.245,0.075], g[1.837,0.181]
1/1 [=====] - 0s 82ms/step
>3023, dr[0.331,0.601], df[0.571,0.120], g[2.523,0.307]
1/1 [=====] - 0s 96ms/step
```

```
>3024, dr[0.667,0.991], df[0.383,0.375], g[2.187,0.208]
1/1 [=====] - 0s 90ms/step
>3025, dr[0.263,0.462], df[0.505,0.085], g[2.543,0.132]
1/1 [=====] - 0s 97ms/step
>3026, dr[0.476,0.958], df[0.213,0.192], g[1.786,0.213]
1/1 [=====] - 0s 81ms/step
>3027, dr[0.263,0.717], df[0.317,0.170], g[1.906,0.248]
1/1 [=====] - 0s 80ms/step
>3028, dr[0.419,0.566], df[0.659,0.296], g[1.982,0.201]
1/1 [=====] - 0s 78ms/step
>3029, dr[0.384,0.884], df[0.243,0.169], g[2.242,0.204]
1/1 [=====] - 0s 96ms/step
>3030, dr[0.348,0.751], df[0.334,0.404], g[1.782,0.198]
1/1 [=====] - 0s 84ms/step
>3031, dr[0.448,0.529], df[0.654,0.275], g[2.587,0.251]
1/1 [=====] - 0s 88ms/step
>3032, dr[0.385,0.391], df[0.214,0.106], g[2.426,0.215]
1/1 [=====] - 0s 83ms/step
>3033, dr[0.280,0.399], df[0.231,0.523], g[2.334,0.158]
1/1 [=====] - 0s 85ms/step
>3034, dr[0.237,0.557], df[0.405,0.205], g[2.462,0.186]
1/1 [=====] - 0s 94ms/step
>3035, dr[0.374,0.519], df[0.243,0.250], g[2.511,0.124]
1/1 [=====] - 0s 84ms/step
>3036, dr[0.307,0.563], df[0.246,0.156], g[2.262,0.199]
1/1 [=====] - 0s 77ms/step
>3037, dr[0.451,0.410], df[0.267,0.291], g[2.163,0.126]
1/1 [=====] - 0s 79ms/step
>3038, dr[0.306,0.384], df[0.268,0.238], g[1.705,0.142]
1/1 [=====] - 0s 87ms/step
>3039, dr[0.295,0.776], df[0.446,0.307], g[1.745,0.179]
1/1 [=====] - 0s 83ms/step
>3040, dr[0.263,0.653], df[0.513,0.098], g[1.716,0.210]
1/1 [=====] - 0s 100ms/step
>3041, dr[0.188,0.541], df[0.467,0.081], g[2.867,0.173]
1/1 [=====] - 0s 89ms/step
>3042, dr[0.493,1.012], df[0.315,0.083], g[2.670,0.168]
1/1 [=====] - 0s 83ms/step
>3043, dr[0.547,0.625], df[0.418,0.282], g[2.305,0.216]
1/1 [=====] - 0s 89ms/step
>3044, dr[0.431,0.585], df[0.398,0.244], g[2.633,0.248]
1/1 [=====] - 0s 85ms/step
>3045, dr[0.333,0.490], df[0.355,0.048], g[2.124,0.310]
1/1 [=====] - 0s 90ms/step
>3046, dr[0.403,0.609], df[0.663,0.227], g[2.332,0.178]
1/1 [=====] - 0s 82ms/step
>3047, dr[0.514,0.690], df[0.566,0.238], g[2.059,0.333]
1/1 [=====] - 0s 84ms/step
>3048, dr[0.342,0.191], df[0.326,0.182], g[2.921,0.193]
1/1 [=====] - 0s 100ms/step
>3049, dr[0.315,0.788], df[0.287,0.235], g[2.913,0.130]
1/1 [=====] - 0s 93ms/step
>3050, dr[0.586,0.545], df[0.299,0.234], g[2.065,0.101]
1/1 [=====] - 0s 86ms/step
>3051, dr[0.487,0.387], df[0.303,0.210], g[1.819,0.190]
1/1 [=====] - 0s 77ms/step
>3052, dr[0.312,0.857], df[0.359,0.135], g[1.646,0.191]
1/1 [=====] - 0s 80ms/step
>3053, dr[0.097,0.822], df[0.369,0.102], g[2.222,0.110]
1/1 [=====] - 0s 87ms/step
```

```
>3054, dr[0.192,0.903], df[0.266,0.108], g[2.225,0.183]
1/1 [=====] - 0s 81ms/step
>3055, dr[0.535,0.602], df[0.467,0.241], g[2.117,0.251]
1/1 [=====] - 0s 77ms/step
>3056, dr[0.389,0.942], df[0.343,0.256], g[2.420,0.154]
1/1 [=====] - 0s 82ms/step
>3057, dr[0.322,0.415], df[0.164,0.066], g[2.421,0.219]
1/1 [=====] - 0s 85ms/step
>3058, dr[0.343,0.591], df[0.445,0.214], g[2.001,0.146]
1/1 [=====] - 0s 94ms/step
>3059, dr[0.339,0.736], df[0.561,0.145], g[2.259,0.264]
1/1 [=====] - 0s 100ms/step
>3060, dr[0.503,0.901], df[0.356,0.179], g[2.177,0.102]
1/1 [=====] - 0s 82ms/step
>3061, dr[0.269,0.671], df[0.547,0.176], g[2.117,0.139]
1/1 [=====] - 0s 86ms/step
>3062, dr[0.479,0.606], df[0.504,0.084], g[2.196,0.058]
1/1 [=====] - 0s 89ms/step
>3063, dr[0.413,0.655], df[0.646,0.113], g[2.482,0.076]
1/1 [=====] - 0s 104ms/step
>3064, dr[0.292,0.449], df[0.396,0.273], g[3.057,0.116]
1/1 [=====] - 0s 97ms/step
>3065, dr[0.528,0.586], df[0.369,0.262], g[2.864,0.188]
1/1 [=====] - 0s 92ms/step
>3066, dr[0.364,0.956], df[0.296,0.128], g[2.600,0.135]
1/1 [=====] - 0s 95ms/step
>3067, dr[0.335,0.315], df[0.236,0.173], g[2.469,0.080]
1/1 [=====] - 0s 95ms/step
>3068, dr[0.431,0.988], df[0.177,0.080], g[2.184,0.126]
1/1 [=====] - 0s 104ms/step
>3069, dr[0.133,0.873], df[0.243,0.168], g[2.437,0.093]
1/1 [=====] - 0s 93ms/step
>3070, dr[0.378,0.621], df[0.191,0.274], g[1.833,0.258]
1/1 [=====] - 0s 88ms/step
>3071, dr[0.201,0.607], df[0.313,0.095], g[1.871,0.217]
1/1 [=====] - 0s 92ms/step
>3072, dr[0.388,0.533], df[0.398,0.171], g[1.818,0.159]
1/1 [=====] - 0s 94ms/step
>3073, dr[0.235,0.596], df[0.724,0.124], g[2.565,0.218]
1/1 [=====] - 0s 110ms/step
>3074, dr[0.418,0.477], df[0.190,0.170], g[2.907,0.093]
1/1 [=====] - 0s 104ms/step
>3075, dr[0.446,0.490], df[0.318,0.089], g[2.380,0.134]
1/1 [=====] - 0s 113ms/step
>3076, dr[0.317,0.657], df[0.232,0.131], g[2.395,0.145]
1/1 [=====] - 0s 126ms/step
>3077, dr[0.263,0.247], df[0.486,0.185], g[2.654,0.147]
1/1 [=====] - 0s 143ms/step
>3078, dr[0.498,0.433], df[0.288,0.189], g[2.206,0.137]
1/1 [=====] - 0s 99ms/step
>3079, dr[0.339,0.428], df[0.235,0.186], g[1.818,0.175]
1/1 [=====] - 0s 103ms/step
>3080, dr[0.441,0.527], df[0.532,0.099], g[2.201,0.323]
1/1 [=====] - 0s 91ms/step
>3081, dr[0.211,0.452], df[0.559,0.148], g[2.799,0.105]
1/1 [=====] - 0s 97ms/step
>3082, dr[0.688,0.530], df[0.625,0.127], g[2.099,0.135]
1/1 [=====] - 0s 113ms/step
>3083, dr[0.550,0.911], df[0.275,0.136], g[2.142,0.217]
1/1 [=====] - 0s 113ms/step
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>3084, dr[0.191,0.785], df[0.360,0.228], g[2.500,0.203]
1/1 [=====] - 0s 115ms/step
>3085, dr[0.226,0.356], df[0.145,0.209], g[2.609,0.147]
1/1 [=====] - 0s 100ms/step
>3086, dr[0.422,0.644], df[0.300,0.134], g[2.146,0.100]
1/1 [=====] - 0s 101ms/step
>3087, dr[0.315,0.719], df[0.499,0.116], g[2.451,0.109]
1/1 [=====] - 0s 108ms/step
>3088, dr[0.256,0.587], df[0.327,0.071], g[2.406,0.078]
1/1 [=====] - 0s 81ms/step
>3089, dr[0.181,0.448], df[0.238,0.089], g[2.365,0.053]
1/1 [=====] - 0s 89ms/step
>3090, dr[0.432,0.418], df[0.338,0.076], g[1.967,0.231]
1/1 [=====] - 0s 112ms/step
>3091, dr[0.274,0.525], df[0.326,0.119], g[2.177,0.076]
1/1 [=====] - 0s 131ms/step
>3092, dr[0.210,0.448], df[0.478,0.091], g[2.386,0.140]
1/1 [=====] - 0s 163ms/step
>3093, dr[0.402,0.432], df[0.323,0.234], g[2.573,0.069]
1/1 [=====] - 0s 100ms/step
>3094, dr[0.315,0.454], df[0.447,0.101], g[2.205,0.119]
1/1 [=====] - 0s 161ms/step
>3095, dr[0.273,0.623], df[0.408,0.243], g[2.625,0.116]
1/1 [=====] - 0s 298ms/step
>3096, dr[0.243,0.470], df[0.238,0.218], g[2.390,0.215]
1/1 [=====] - 0s 172ms/step
>3097, dr[0.290,0.847], df[0.177,0.141], g[2.709,0.126]
1/1 [=====] - 0s 95ms/step
>3098, dr[0.458,0.642], df[0.149,0.110], g[1.828,0.220]
1/1 [=====] - 0s 98ms/step
>3099, dr[0.157,0.661], df[0.353,0.075], g[2.129,0.156]
1/1 [=====] - 0s 77ms/step
>3100, dr[0.115,0.578], df[0.258,0.111], g[2.431,0.215]
1/1 [=====] - 0s 100ms/step
>3101, dr[0.196,0.689], df[0.199,0.132], g[2.165,0.154]
1/1 [=====] - 0s 95ms/step
>3102, dr[0.309,0.850], df[0.460,0.128], g[2.912,0.143]
1/1 [=====] - 0s 90ms/step
>3103, dr[0.323,0.230], df[0.222,0.085], g[3.109,0.099]
1/1 [=====] - 0s 82ms/step
>3104, dr[0.535,0.597], df[0.337,0.069], g[2.285,0.108]
1/1 [=====] - 0s 76ms/step
>3105, dr[0.356,0.719], df[0.483,0.245], g[2.084,0.147]
1/1 [=====] - 0s 83ms/step
>3106, dr[0.334,1.058], df[0.468,0.053], g[2.075,0.100]
1/1 [=====] - 0s 87ms/step
>3107, dr[0.318,0.917], df[0.287,0.072], g[1.947,0.126]
1/1 [=====] - 0s 97ms/step
>3108, dr[0.288,0.485], df[0.187,0.054], g[1.841,0.320]
1/1 [=====] - 0s 82ms/step
>3109, dr[0.571,0.583], df[0.314,0.105], g[1.470,0.189]
1/1 [=====] - 0s 82ms/step
>3110, dr[0.262,0.626], df[0.437,0.219], g[1.979,0.202]
1/1 [=====] - 0s 80ms/step
>3111, dr[0.394,0.323], df[0.328,0.102], g[2.243,0.129]
1/1 [=====] - 0s 78ms/step
>3112, dr[0.334,0.730], df[0.388,0.138], g[2.098,0.094]
1/1 [=====] - 0s 79ms/step
>3113, dr[0.200,0.485], df[0.322,0.035], g[2.006,0.226]
1/1 [=====] - 0s 81ms/step
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>3114, dr[0.633,0.635], df[0.312,0.328], g[2.141,0.184]
1/1 [=====] - 0s 81ms/step
>3115, dr[0.392,0.494], df[0.308,0.140], g[1.384,0.129]
1/1 [=====] - 0s 83ms/step
>3116, dr[0.207,0.497], df[0.296,0.170], g[2.183,0.136]
1/1 [=====] - 0s 83ms/step
>3117, dr[0.364,1.071], df[0.460,0.121], g[2.009,0.149]
1/1 [=====] - 0s 100ms/step
>3118, dr[0.158,0.656], df[0.427,0.076], g[2.187,0.178]
1/1 [=====] - 0s 80ms/step
>3119, dr[0.589,0.650], df[0.164,0.120], g[2.063,0.257]
1/1 [=====] - 0s 76ms/step
>3120, dr[0.417,0.684], df[0.594,0.166], g[1.971,0.190]
1/1 [=====] - 0s 133ms/step
>3121, dr[0.268,0.761], df[0.306,0.126], g[2.547,0.101]
1/1 [=====] - 0s 104ms/step
>3122, dr[0.212,0.334], df[0.096,0.091], g[1.878,0.183]
1/1 [=====] - 0s 74ms/step
>3123, dr[0.206,0.697], df[0.300,0.134], g[1.957,0.166]
1/1 [=====] - 0s 87ms/step
>3124, dr[0.293,0.446], df[0.070,0.162], g[2.068,0.203]
1/1 [=====] - 0s 83ms/step
>3125, dr[0.177,0.363], df[0.317,0.120], g[2.137,0.237]
1/1 [=====] - 0s 75ms/step
>3126, dr[0.347,0.484], df[0.359,0.129], g[2.242,0.290]
1/1 [=====] - 0s 87ms/step
>3127, dr[0.178,0.457], df[0.334,0.056], g[2.811,0.140]
1/1 [=====] - 0s 80ms/step
>3128, dr[0.491,0.404], df[0.334,0.094], g[2.293,0.190]
1/1 [=====] - 0s 79ms/step
>3129, dr[0.148,0.657], df[0.377,0.196], g[3.168,0.106]
1/1 [=====] - 0s 97ms/step
>3130, dr[0.276,0.835], df[0.265,0.106], g[3.275,0.224]
1/1 [=====] - 0s 80ms/step
>3131, dr[0.331,1.638], df[0.148,0.110], g[2.394,0.152]
1/1 [=====] - 0s 99ms/step
>3132, dr[0.236,0.543], df[0.227,0.201], g[2.632,0.162]
1/1 [=====] - 0s 82ms/step
>3133, dr[0.368,0.653], df[0.232,0.048], g[2.272,0.120]
1/1 [=====] - 0s 78ms/step
>3134, dr[0.213,1.124], df[0.287,0.146], g[2.103,0.250]
1/1 [=====] - 0s 85ms/step
>3135, dr[0.256,0.607], df[0.358,0.384], g[2.742,0.165]
1/1 [=====] - 0s 74ms/step
>3136, dr[0.252,0.818], df[0.151,0.161], g[2.466,0.373]
1/1 [=====] - 0s 84ms/step
>3137, dr[0.421,0.862], df[0.221,0.087], g[2.144,0.271]
1/1 [=====] - 0s 82ms/step
>3138, dr[0.059,0.601], df[0.412,0.301], g[2.526,0.103]
1/1 [=====] - 0s 75ms/step
>3139, dr[0.187,0.224], df[0.228,0.088], g[2.910,0.306]
1/1 [=====] - 0s 90ms/step
>3140, dr[0.346,0.676], df[0.221,0.096], g[2.251,0.119]
1/1 [=====] - 0s 79ms/step
>3141, dr[0.580,0.598], df[0.364,0.194], g[1.912,0.207]
1/1 [=====] - 0s 77ms/step
>3142, dr[0.333,0.956], df[0.387,0.076], g[2.404,0.145]
1/1 [=====] - 0s 83ms/step
>3143, dr[0.208,0.629], df[0.413,0.211], g[2.756,0.219]
1/1 [=====] - 0s 75ms/step
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>3144, dr[0.318,0.411], df[0.154,0.093], g[2.394,0.236]
1/1 [=====] - 0s 80ms/step
>3145, dr[0.145,0.862], df[0.319,0.185], g[2.920,0.310]
1/1 [=====] - 0s 79ms/step
>3146, dr[0.467,0.483], df[0.140,0.087], g[2.627,0.222]
1/1 [=====] - 0s 75ms/step
>3147, dr[0.208,0.594], df[0.248,0.121], g[2.081,0.205]
1/1 [=====] - 0s 73ms/step
>3148, dr[0.125,0.667], df[0.306,0.238], g[2.132,0.123]
1/1 [=====] - 0s 73ms/step
>3149, dr[0.198,0.562], df[0.193,0.198], g[2.554,0.260]
1/1 [=====] - 0s 87ms/step
>3150, dr[0.288,0.579], df[0.219,0.236], g[2.037,0.227]
1/1 [=====] - 0s 76ms/step
>3151, dr[0.246,0.511], df[0.620,0.145], g[2.436,0.303]
1/1 [=====] - 0s 87ms/step
>3152, dr[0.202,0.471], df[0.139,0.159], g[2.340,0.176]
1/1 [=====] - 0s 86ms/step
>3153, dr[0.316,0.879], df[0.388,0.186], g[2.742,0.250]
1/1 [=====] - 0s 78ms/step
>3154, dr[0.387,0.518], df[0.393,0.104], g[2.265,0.160]
1/1 [=====] - 0s 79ms/step
>3155, dr[0.309,0.819], df[0.610,0.281], g[2.650,0.205]
1/1 [=====] - 0s 77ms/step
>3156, dr[0.446,0.646], df[0.428,0.201], g[2.788,0.146]
1/1 [=====] - 0s 85ms/step
>3157, dr[0.851,1.090], df[0.347,0.136], g[2.508,0.255]
1/1 [=====] - 0s 73ms/step
>3158, dr[0.249,0.302], df[0.505,0.074], g[2.668,0.155]
1/1 [=====] - 0s 87ms/step
>3159, dr[0.772,0.369], df[0.464,0.118], g[1.684,0.220]
1/1 [=====] - 0s 73ms/step
>3160, dr[0.237,0.574], df[0.492,0.126], g[1.873,0.201]
1/1 [=====] - 0s 84ms/step
>3161, dr[0.378,0.555], df[0.308,0.119], g[2.703,0.174]
1/1 [=====] - 0s 131ms/step
>3162, dr[0.544,0.626], df[0.667,0.210], g[2.180,0.183]
1/1 [=====] - 0s 94ms/step
>3163, dr[0.285,0.269], df[0.330,0.131], g[2.502,0.202]
1/1 [=====] - 0s 79ms/step
>3164, dr[0.675,0.570], df[0.683,0.139], g[2.486,0.139]
1/1 [=====] - 0s 91ms/step
>3165, dr[0.561,0.755], df[0.249,0.033], g[1.769,0.153]
1/1 [=====] - 0s 84ms/step
>3166, dr[0.208,0.560], df[0.415,0.132], g[1.713,0.094]
1/1 [=====] - 0s 79ms/step
>3167, dr[0.293,0.508], df[0.354,0.272], g[2.276,0.190]
1/1 [=====] - 0s 81ms/step
>3168, dr[0.279,0.542], df[0.362,0.116], g[2.719,0.068]
1/1 [=====] - 0s 78ms/step
>3169, dr[0.392,0.652], df[0.351,0.112], g[2.489,0.099]
1/1 [=====] - 0s 74ms/step
>3170, dr[0.311,0.895], df[0.262,0.244], g[2.093,0.169]
1/1 [=====] - 0s 83ms/step
>3171, dr[0.440,0.241], df[0.292,0.232], g[2.021,0.191]
1/1 [=====] - 0s 90ms/step
>3172, dr[0.271,0.340], df[0.345,0.137], g[1.585,0.198]
1/1 [=====] - 0s 90ms/step
>3173, dr[0.158,0.321], df[0.348,0.168], g[2.015,0.094]
1/1 [=====] - 0s 78ms/step
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>3174, dr[0.517,0.628], df[0.403,0.098], g[2.640,0.137]
1/1 [=====] - 0s 82ms/step
>3175, dr[0.292,0.749], df[0.445,0.060], g[2.233,0.240]
1/1 [=====] - 0s 84ms/step
>3176, dr[0.542,0.635], df[0.382,0.254], g[1.977,0.132]
1/1 [=====] - 0s 79ms/step
>3177, dr[0.258,0.660], df[0.379,0.065], g[2.475,0.117]
1/1 [=====] - 0s 83ms/step
>3178, dr[0.332,0.717], df[0.227,0.134], g[2.307,0.146]
1/1 [=====] - 0s 132ms/step
>3179, dr[0.336,0.832], df[0.206,0.096], g[1.817,0.227]
1/1 [=====] - 0s 85ms/step
>3180, dr[0.220,0.348], df[0.392,0.065], g[1.913,0.159]
1/1 [=====] - 0s 89ms/step
>3181, dr[0.382,0.674], df[0.428,0.200], g[1.852,0.151]
1/1 [=====] - 0s 78ms/step
>3182, dr[0.212,0.762], df[0.359,0.371], g[2.291,0.145]
1/1 [=====] - 0s 75ms/step
>3183, dr[0.392,0.660], df[0.369,0.142], g[2.788,0.174]
1/1 [=====] - 0s 80ms/step
>3184, dr[0.506,0.559], df[0.287,0.213], g[2.012,0.107]
1/1 [=====] - 0s 82ms/step
>3185, dr[0.360,0.345], df[0.303,0.066], g[1.937,0.236]
1/1 [=====] - 0s 88ms/step
>3186, dr[0.233,1.415], df[0.389,0.167], g[2.125,0.116]
1/1 [=====] - 0s 81ms/step
>3187, dr[0.307,0.477], df[0.427,0.128], g[1.753,0.200]
1/1 [=====] - 0s 77ms/step
>3188, dr[0.426,0.534], df[0.338,0.172], g[2.103,0.238]
1/1 [=====] - 0s 83ms/step
>3189, dr[0.373,0.531], df[0.655,0.420], g[2.437,0.069]
1/1 [=====] - 0s 80ms/step
>3190, dr[0.441,0.458], df[0.326,0.068], g[2.629,0.218]
1/1 [=====] - 0s 87ms/step
>3191, dr[0.455,0.664], df[0.547,0.116], g[2.160,0.123]
1/1 [=====] - 0s 84ms/step
>3192, dr[0.380,0.501], df[0.179,0.207], g[2.140,0.117]
1/1 [=====] - 0s 79ms/step
>3193, dr[0.277,0.474], df[0.216,0.259], g[2.517,0.222]
1/1 [=====] - 0s 83ms/step
>3194, dr[0.274,0.314], df[0.587,0.255], g[2.205,0.233]
1/1 [=====] - 0s 84ms/step
>3195, dr[0.686,0.483], df[0.341,0.248], g[2.533,0.204]
1/1 [=====] - 0s 85ms/step
>3196, dr[0.267,0.445], df[0.510,0.224], g[1.836,0.175]
1/1 [=====] - 0s 83ms/step
>3197, dr[0.346,0.531], df[0.303,0.156], g[2.994,0.172]
1/1 [=====] - 0s 83ms/step
>3198, dr[0.425,0.320], df[0.220,0.172], g[2.120,0.182]
1/1 [=====] - 0s 79ms/step
>3199, dr[0.352,0.636], df[0.583,0.181], g[2.353,0.159]
1/1 [=====] - 0s 75ms/step
>3200, dr[0.204,0.602], df[0.443,0.096], g[2.794,0.141]
1/1 [=====] - 0s 84ms/step
>3201, dr[0.653,0.669], df[0.358,0.078], g[2.626,0.185]
1/1 [=====] - 0s 82ms/step
>3202, dr[0.460,0.951], df[0.395,0.252], g[2.107,0.157]
1/1 [=====] - 0s 82ms/step
>3203, dr[0.504,0.303], df[0.447,0.146], g[1.563,0.110]
1/1 [=====] - 0s 79ms/step
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>3204, dr[0.353,0.391], df[0.200,0.060], g[2.063,0.222]
1/1 [=====] - 0s 82ms/step
>3205, dr[0.521,0.543], df[0.486,0.067], g[2.309,0.237]
1/1 [=====] - 0s 82ms/step
>3206, dr[0.296,0.592], df[0.469,0.132], g[1.878,0.150]
1/1 [=====] - 0s 75ms/step
>3207, dr[0.338,0.408], df[0.208,0.191], g[2.559,0.092]
1/1 [=====] - 0s 80ms/step
>3208, dr[0.365,0.712], df[0.404,0.115], g[2.037,0.199]
1/1 [=====] - 0s 73ms/step
>3209, dr[0.355,0.739], df[0.959,0.448], g[2.269,0.170]
1/1 [=====] - 0s 78ms/step
>3210, dr[0.263,0.820], df[0.256,0.083], g[2.950,0.134]
1/1 [=====] - 0s 76ms/step
>3211, dr[0.539,0.473], df[0.296,0.242], g[2.481,0.115]
1/1 [=====] - 0s 87ms/step
>3212, dr[0.516,0.830], df[0.688,0.152], g[2.114,0.148]
1/1 [=====] - 0s 81ms/step
>3213, dr[0.362,0.299], df[0.280,0.100], g[2.370,0.297]
1/1 [=====] - 0s 93ms/step
>3214, dr[0.382,0.358], df[0.340,0.189], g[1.846,0.222]
1/1 [=====] - 0s 79ms/step
>3215, dr[0.327,0.844], df[0.254,0.118], g[2.040,0.138]
1/1 [=====] - 0s 161ms/step
>3216, dr[0.579,0.615], df[0.501,0.239], g[1.673,0.199]
1/1 [=====] - 0s 111ms/step
>3217, dr[0.467,0.229], df[0.616,0.162], g[2.198,0.144]
1/1 [=====] - 0s 75ms/step
>3218, dr[0.306,1.106], df[0.501,0.088], g[2.185,0.200]
1/1 [=====] - 0s 84ms/step
>3219, dr[0.234,0.890], df[0.452,0.219], g[2.642,0.142]
1/1 [=====] - 0s 74ms/step
>3220, dr[0.335,0.237], df[0.139,0.129], g[2.324,0.230]
1/1 [=====] - 0s 85ms/step
>3221, dr[0.267,0.646], df[0.373,0.295], g[2.587,0.099]
1/1 [=====] - 0s 82ms/step
>3222, dr[0.429,0.762], df[0.646,0.231], g[2.275,0.135]
1/1 [=====] - 0s 78ms/step
>3223, dr[0.333,0.453], df[0.236,0.118], g[2.141,0.157]
1/1 [=====] - 0s 78ms/step
>3224, dr[0.575,0.384], df[0.409,0.155], g[2.019,0.278]
1/1 [=====] - 0s 79ms/step
>3225, dr[0.224,0.534], df[0.604,0.293], g[2.670,0.124]
1/1 [=====] - 0s 87ms/step
>3226, dr[0.366,0.572], df[0.184,0.137], g[2.301,0.094]
1/1 [=====] - 0s 82ms/step
>3227, dr[0.460,0.915], df[0.404,0.267], g[1.803,0.124]
1/1 [=====] - 0s 74ms/step
>3228, dr[0.380,0.488], df[0.421,0.125], g[2.370,0.079]
1/1 [=====] - 0s 83ms/step
>3229, dr[0.305,0.539], df[0.391,0.176], g[1.995,0.099]
1/1 [=====] - 0s 79ms/step
>3230, dr[0.330,0.671], df[0.442,0.094], g[2.311,0.142]
1/1 [=====] - 0s 84ms/step
>3231, dr[0.252,0.605], df[0.421,0.276], g[2.388,0.103]
1/1 [=====] - 0s 82ms/step
>3232, dr[0.434,0.510], df[0.259,0.142], g[2.462,0.138]
1/1 [=====] - 0s 77ms/step
>3233, dr[0.657,0.571], df[0.389,0.226], g[1.922,0.114]
1/1 [=====] - 0s 76ms/step
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>3234, dr[0.233,0.661], df[0.244,0.131], g[2.448,0.098]
1/1 [=====] - 0s 79ms/step
>3235, dr[0.206,0.628], df[0.307,0.102], g[2.841,0.073]
1/1 [=====] - 0s 86ms/step
>3236, dr[0.251,0.434], df[0.237,0.072], g[2.111,0.276]
1/1 [=====] - 0s 72ms/step
>3237, dr[0.252,0.436], df[0.313,0.143], g[2.320,0.103]
1/1 [=====] - 0s 85ms/step
>3238, dr[0.231,0.590], df[0.375,0.238], g[2.963,0.084]
1/1 [=====] - 0s 85ms/step
>3239, dr[0.501,0.390], df[0.350,0.142], g[2.160,0.185]
1/1 [=====] - 0s 79ms/step
>3240, dr[0.432,0.518], df[0.242,0.200], g[2.367,0.166]
1/1 [=====] - 0s 78ms/step
>3241, dr[0.740,1.158], df[0.658,0.082], g[1.751,0.125]
1/1 [=====] - 0s 76ms/step
>3242, dr[0.349,0.693], df[0.583,0.192], g[1.998,0.059]
1/1 [=====] - 0s 80ms/step
>3243, dr[0.348,0.361], df[0.432,0.248], g[2.162,0.111]
1/1 [=====] - 0s 76ms/step
>3244, dr[0.559,0.989], df[0.467,0.146], g[1.980,0.119]
1/1 [=====] - 0s 81ms/step
>3245, dr[0.398,0.533], df[0.506,0.207], g[2.244,0.119]
1/1 [=====] - 0s 79ms/step
>3246, dr[0.313,0.556], df[0.511,0.102], g[2.628,0.100]
1/1 [=====] - 0s 80ms/step
>3247, dr[0.513,0.759], df[0.274,0.375], g[1.928,0.143]
1/1 [=====] - 0s 85ms/step
>3248, dr[0.562,0.642], df[0.607,0.131], g[1.534,0.132]
1/1 [=====] - 0s 73ms/step
>3249, dr[0.303,0.344], df[0.401,0.093], g[2.626,0.100]
1/1 [=====] - 0s 86ms/step
>3250, dr[0.510,1.020], df[0.587,0.255], g[2.075,0.103]
1/1 [=====] - 0s 76ms/step
>3251, dr[0.725,0.724], df[0.787,0.092], g[2.375,0.193]
1/1 [=====] - 0s 77ms/step
>3252, dr[0.590,0.682], df[0.584,0.078], g[2.559,0.101]
1/1 [=====] - 0s 77ms/step
>3253, dr[0.253,0.841], df[0.258,0.114], g[2.425,0.132]
1/1 [=====] - 0s 74ms/step
>3254, dr[0.601,1.161], df[0.484,0.129], g[2.152,0.179]
1/1 [=====] - 0s 80ms/step
>3255, dr[0.346,0.668], df[0.399,0.176], g[2.532,0.093]
1/1 [=====] - 0s 83ms/step
>3256, dr[0.341,0.379], df[0.401,0.138], g[2.036,0.111]
1/1 [=====] - 0s 81ms/step
>3257, dr[0.404,0.898], df[0.204,0.175], g[2.441,0.067]
1/1 [=====] - 0s 77ms/step
>3258, dr[0.368,0.303], df[0.470,0.134], g[2.125,0.155]
1/1 [=====] - 0s 77ms/step
>3259, dr[0.252,0.621], df[0.160,0.166], g[1.820,0.107]
1/1 [=====] - 0s 83ms/step
>3260, dr[0.455,0.747], df[0.332,0.199], g[1.890,0.172]
1/1 [=====] - 0s 78ms/step
>3261, dr[0.400,0.995], df[0.619,0.137], g[1.690,0.194]
1/1 [=====] - 0s 79ms/step
>3262, dr[0.315,0.375], df[0.547,0.574], g[2.439,0.138]
1/1 [=====] - 0s 81ms/step
>3263, dr[0.412,0.511], df[0.421,0.224], g[2.550,0.190]
1/1 [=====] - 0s 90ms/step
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>3264, dr[0.784,0.479], df[0.359,0.069], g[1.875,0.167]
1/1 [=====] - 0s 82ms/step
>3265, dr[0.382,0.381], df[0.992,0.057], g[2.351,0.126]
1/1 [=====] - 0s 83ms/step
>3266, dr[0.181,0.693], df[0.187,0.048], g[2.462,0.114]
1/1 [=====] - 0s 95ms/step
>3267, dr[0.478,0.315], df[0.308,0.080], g[2.093,0.090]
1/1 [=====] - 0s 83ms/step
>3268, dr[0.172,0.716], df[0.197,0.171], g[2.016,0.129]
1/1 [=====] - 0s 75ms/step
>3269, dr[0.547,0.548], df[0.528,0.136], g[2.321,0.148]
1/1 [=====] - 0s 74ms/step
>3270, dr[0.323,1.000], df[0.396,0.168], g[2.329,0.082]
1/1 [=====] - 0s 81ms/step
>3271, dr[0.453,0.637], df[0.469,0.142], g[2.260,0.122]
1/1 [=====] - 0s 75ms/step
>3272, dr[0.472,0.965], df[0.380,0.173], g[2.210,0.156]
1/1 [=====] - 0s 84ms/step
>3273, dr[0.569,0.552], df[0.589,0.066], g[1.668,0.144]
1/1 [=====] - 0s 74ms/step
>3274, dr[0.322,0.500], df[0.584,0.220], g[2.156,0.191]
1/1 [=====] - 0s 80ms/step
>3275, dr[0.468,0.673], df[0.223,0.119], g[2.257,0.209]
1/1 [=====] - 0s 83ms/step
>3276, dr[0.293,0.739], df[0.809,0.118], g[2.727,0.142]
1/1 [=====] - 0s 81ms/step
>3277, dr[0.618,0.568], df[0.251,0.206], g[2.169,0.115]
1/1 [=====] - 0s 91ms/step
>3278, dr[0.278,0.858], df[0.388,0.146], g[2.126,0.131]
1/1 [=====] - 0s 82ms/step
>3279, dr[0.441,1.136], df[0.309,0.092], g[2.201,0.088]
1/1 [=====] - 0s 90ms/step
>3280, dr[0.222,0.705], df[0.624,0.110], g[2.191,0.101]
1/1 [=====] - 0s 81ms/step
>3281, dr[0.259,0.500], df[0.252,0.066], g[2.606,0.190]
1/1 [=====] - 0s 89ms/step
>3282, dr[0.551,0.191], df[0.351,0.039], g[2.228,0.239]
1/1 [=====] - 0s 90ms/step
>3283, dr[0.365,0.548], df[0.532,0.062], g[2.803,0.045]
1/1 [=====] - 0s 86ms/step
>3284, dr[0.522,0.650], df[0.363,0.067], g[2.869,0.056]
1/1 [=====] - 0s 81ms/step
>3285, dr[0.381,0.731], df[0.597,0.140], g[2.103,0.171]
1/1 [=====] - 0s 75ms/step
>3286, dr[0.478,0.955], df[0.266,0.090], g[2.320,0.090]
1/1 [=====] - 0s 74ms/step
>3287, dr[0.742,0.617], df[0.608,0.083], g[2.406,0.143]
1/1 [=====] - 0s 78ms/step
>3288, dr[0.605,0.341], df[0.272,0.164], g[2.724,0.078]
1/1 [=====] - 0s 78ms/step
>3289, dr[0.254,0.501], df[0.515,0.218], g[2.705,0.058]
1/1 [=====] - 0s 80ms/step
>3290, dr[0.283,0.877], df[0.263,0.186], g[2.362,0.067]
1/1 [=====] - 0s 78ms/step
>3291, dr[0.527,0.784], df[0.287,0.067], g[1.800,0.116]
1/1 [=====] - 0s 77ms/step
>3292, dr[0.340,0.966], df[0.418,0.099], g[2.187,0.232]
1/1 [=====] - 0s 80ms/step
>3293, dr[0.470,0.498], df[0.419,0.082], g[1.935,0.248]
1/1 [=====] - 0s 79ms/step
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>3294, dr[0.390,0.503], df[0.381,0.119], g[2.326,0.118]
1/1 [=====] - 0s 87ms/step
>3295, dr[0.394,0.443], df[0.348,0.088], g[2.058,0.154]
1/1 [=====] - 0s 77ms/step
>3296, dr[0.281,0.731], df[0.456,0.184], g[2.134,0.116]
1/1 [=====] - 0s 86ms/step
>3297, dr[0.468,0.439], df[0.281,0.085], g[2.572,0.150]
1/1 [=====] - 0s 80ms/step
>3298, dr[0.216,0.555], df[0.201,0.097], g[2.038,0.138]
1/1 [=====] - 0s 87ms/step
>3299, dr[0.551,0.645], df[0.434,0.085], g[2.352,0.106]
1/1 [=====] - 0s 81ms/step
>3300, dr[0.375,0.587], df[0.281,0.079], g[2.203,0.235]
1/1 [=====] - 0s 75ms/step
>3301, dr[0.387,1.179], df[0.524,0.200], g[2.338,0.092]
1/1 [=====] - 0s 79ms/step
>3302, dr[0.353,0.397], df[0.269,0.113], g[2.756,0.101]
1/1 [=====] - 0s 84ms/step
>3303, dr[0.345,0.740], df[0.354,0.070], g[2.545,0.090]
1/1 [=====] - 0s 77ms/step
>3304, dr[0.308,0.689], df[0.401,0.057], g[2.256,0.100]
1/1 [=====] - 0s 79ms/step
>3305, dr[0.469,0.939], df[0.400,0.046], g[2.180,0.139]
1/1 [=====] - 0s 74ms/step
>3306, dr[0.566,0.406], df[0.320,0.072], g[1.832,0.152]
1/1 [=====] - 0s 82ms/step
>3307, dr[0.326,0.683], df[0.515,0.112], g[1.906,0.096]
1/1 [=====] - 0s 74ms/step
>3308, dr[0.372,0.638], df[0.507,0.057], g[2.359,0.174]
1/1 [=====] - 0s 96ms/step
>3309, dr[0.266,0.549], df[0.296,0.086], g[2.491,0.106]
1/1 [=====] - 0s 89ms/step
>3310, dr[0.338,0.713], df[0.227,0.052], g[2.352,0.113]
1/1 [=====] - 0s 96ms/step
>3311, dr[0.349,0.748], df[0.337,0.141], g[1.974,0.095]
1/1 [=====] - 0s 99ms/step
>3312, dr[0.239,0.456], df[0.243,0.070], g[2.334,0.073]
1/1 [=====] - 0s 75ms/step
>3313, dr[0.271,0.507], df[0.392,0.092], g[2.343,0.092]
1/1 [=====] - 0s 74ms/step
>3314, dr[0.268,0.560], df[0.289,0.057], g[2.514,0.179]
1/1 [=====] - 0s 77ms/step
>3315, dr[0.557,0.905], df[0.302,0.224], g[2.188,0.128]
1/1 [=====] - 0s 81ms/step
>3316, dr[0.360,0.908], df[0.666,0.220], g[2.065,0.282]
1/1 [=====] - 0s 88ms/step
>3317, dr[0.288,0.637], df[0.479,0.077], g[2.019,0.189]
1/1 [=====] - 0s 83ms/step
>3318, dr[0.378,0.511], df[0.219,0.133], g[2.588,0.040]
1/1 [=====] - 0s 82ms/step
>3319, dr[0.286,0.417], df[0.256,0.064], g[2.373,0.106]
1/1 [=====] - 0s 75ms/step
>3320, dr[0.380,0.555], df[0.449,0.057], g[2.248,0.211]
1/1 [=====] - 0s 74ms/step
>3321, dr[0.266,0.663], df[0.480,0.059], g[2.296,0.241]
1/1 [=====] - 0s 74ms/step
>3322, dr[0.615,0.626], df[0.337,0.156], g[1.908,0.195]
1/1 [=====] - 0s 75ms/step
>3323, dr[0.382,0.659], df[0.373,0.156], g[2.412,0.106]
1/1 [=====] - 0s 88ms/step
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>3324, dr[0.302,0.277], df[0.301,0.081], g[1.601,0.109]
1/1 [=====] - 0s 80ms/step
>3325, dr[0.300,0.663], df[0.230,0.065], g[1.936,0.147]
1/1 [=====] - 0s 96ms/step
>3326, dr[0.302,0.774], df[0.814,0.135], g[2.377,0.102]
1/1 [=====] - 0s 84ms/step
>3327, dr[0.251,0.581], df[0.299,0.188], g[2.456,0.206]
1/1 [=====] - 0s 76ms/step
>3328, dr[0.396,0.812], df[0.179,0.075], g[2.296,0.102]
1/1 [=====] - 0s 79ms/step
>3329, dr[0.392,0.679], df[0.601,0.113], g[2.366,0.209]
1/1 [=====] - 0s 74ms/step
>3330, dr[0.465,0.445], df[0.300,0.091], g[2.033,0.084]
1/1 [=====] - 0s 92ms/step
>3331, dr[0.409,0.470], df[0.442,0.161], g[2.084,0.176]
1/1 [=====] - 0s 80ms/step
>3332, dr[0.389,0.880], df[0.465,0.246], g[2.416,0.088]
1/1 [=====] - 0s 81ms/step
>3333, dr[0.318,0.808], df[0.490,0.057], g[2.385,0.250]
1/1 [=====] - 0s 81ms/step
>3334, dr[0.321,0.601], df[0.376,0.074], g[2.518,0.169]
1/1 [=====] - 0s 79ms/step
>3335, dr[0.460,0.798], df[0.571,0.192], g[2.477,0.159]
1/1 [=====] - 0s 84ms/step
>3336, dr[0.365,0.706], df[0.231,0.118], g[2.654,0.084]
1/1 [=====] - 0s 77ms/step
>3337, dr[0.507,0.993], df[0.143,0.147], g[2.182,0.157]
1/1 [=====] - 0s 81ms/step
>3338, dr[0.425,0.367], df[0.280,0.166], g[2.165,0.085]
1/1 [=====] - 0s 77ms/step
>3339, dr[0.371,0.491], df[0.649,0.131], g[1.882,0.151]
1/1 [=====] - 0s 83ms/step
>3340, dr[0.294,0.313], df[0.352,0.094], g[2.119,0.171]
1/1 [=====] - 0s 84ms/step
>3341, dr[0.448,0.564], df[0.190,0.028], g[1.932,0.123]
1/1 [=====] - 0s 76ms/step
>3342, dr[0.426,0.540], df[0.505,0.108], g[1.907,0.202]
1/1 [=====] - 0s 75ms/step
>3343, dr[0.345,1.008], df[0.348,0.062], g[1.623,0.111]
1/1 [=====] - 0s 76ms/step
>3344, dr[0.411,0.527], df[0.624,0.148], g[1.883,0.115]
1/1 [=====] - 0s 86ms/step
>3345, dr[0.310,0.443], df[0.388,0.088], g[2.473,0.186]
1/1 [=====] - 0s 83ms/step
>3346, dr[0.473,0.747], df[0.283,0.084], g[1.849,0.314]
1/1 [=====] - 0s 85ms/step
>3347, dr[0.377,0.407], df[0.459,0.089], g[2.316,0.090]
1/1 [=====] - 0s 76ms/step
>3348, dr[0.415,0.446], df[0.494,0.252], g[2.540,0.153]
1/1 [=====] - 0s 78ms/step
>3349, dr[0.202,0.612], df[0.272,0.129], g[2.327,0.241]
1/1 [=====] - 0s 77ms/step
>3350, dr[0.507,0.925], df[0.419,0.113], g[2.139,0.125]
1/1 [=====] - 0s 76ms/step
>3351, dr[0.212,0.542], df[0.548,0.078], g[2.205,0.216]
1/1 [=====] - 0s 86ms/step
>3352, dr[0.462,0.687], df[0.537,0.181], g[2.770,0.153]
1/1 [=====] - 0s 78ms/step
>3353, dr[0.598,0.615], df[0.260,0.210], g[2.095,0.193]
1/1 [=====] - 0s 80ms/step
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>3354, dr[0.760,0.542], df[0.362,0.052], g[1.662,0.202]
1/1 [=====] - 0s 82ms/step
>3355, dr[0.194,0.845], df[0.855,0.142], g[2.154,0.196]
1/1 [=====] - 0s 78ms/step
>3356, dr[0.242,0.394], df[0.362,0.113], g[2.090,0.348]
1/1 [=====] - 0s 83ms/step
>3357, dr[0.385,0.277], df[0.153,0.142], g[2.447,0.170]
1/1 [=====] - 0s 77ms/step
>3358, dr[0.531,0.519], df[0.263,0.047], g[1.960,0.160]
1/1 [=====] - 0s 83ms/step
>3359, dr[0.223,0.299], df[0.488,0.074], g[2.102,0.184]
1/1 [=====] - 0s 82ms/step
>3360, dr[0.344,0.478], df[0.242,0.270], g[2.146,0.194]
1/1 [=====] - 0s 84ms/step
>3361, dr[0.385,0.803], df[0.362,0.171], g[2.043,0.138]
1/1 [=====] - 0s 76ms/step
>3362, dr[0.292,0.622], df[0.313,0.071], g[2.159,0.167]
1/1 [=====] - 0s 76ms/step
>3363, dr[0.567,0.698], df[0.421,0.226], g[1.798,0.244]
1/1 [=====] - 0s 81ms/step
>3364, dr[0.242,0.794], df[0.260,0.034], g[2.011,0.185]
1/1 [=====] - 0s 85ms/step
>3365, dr[0.338,0.471], df[0.475,0.143], g[2.144,0.142]
1/1 [=====] - 0s 131ms/step
>3366, dr[0.384,0.683], df[0.449,0.106], g[1.976,0.158]
1/1 [=====] - 0s 156ms/step
>3367, dr[0.588,0.572], df[0.388,0.053], g[1.788,0.268]
1/1 [=====] - 0s 108ms/step
>3368, dr[0.289,0.287], df[0.411,0.044], g[2.455,0.103]
1/1 [=====] - 0s 98ms/step
>3369, dr[0.368,0.577], df[0.604,0.120], g[2.188,0.199]
1/1 [=====] - 0s 119ms/step
>3370, dr[0.274,0.509], df[0.183,0.103], g[2.221,0.170]
1/1 [=====] - 0s 119ms/step
>3371, dr[0.353,0.338], df[0.368,0.171], g[1.812,0.241]
1/1 [=====] - 0s 111ms/step
>3372, dr[0.746,0.648], df[0.282,0.029], g[1.443,0.269]
1/1 [=====] - 0s 173ms/step
>3373, dr[0.193,0.249], df[0.324,0.088], g[1.678,0.212]
1/1 [=====] - 0s 131ms/step
>3374, dr[0.332,0.415], df[0.388,0.045], g[2.024,0.194]
1/1 [=====] - 0s 121ms/step
>3375, dr[0.345,0.954], df[0.269,0.195], g[2.299,0.314]
1/1 [=====] - 0s 148ms/step
>3376, dr[0.250,0.996], df[0.613,0.095], g[2.426,0.145]
1/1 [=====] - 0s 139ms/step
>3377, dr[0.619,0.856], df[0.272,0.187], g[2.144,0.118]
1/1 [=====] - 0s 107ms/step
>3378, dr[0.196,0.535], df[0.201,0.096], g[1.927,0.137]
1/1 [=====] - 0s 114ms/step
>3379, dr[0.239,0.631], df[0.254,0.067], g[2.278,0.188]
1/1 [=====] - 0s 107ms/step
>3380, dr[0.343,0.951], df[0.411,0.175], g[2.644,0.205]
1/1 [=====] - 0s 92ms/step
>3381, dr[0.343,0.437], df[0.327,0.197], g[2.477,0.099]
1/1 [=====] - 0s 91ms/step
>3382, dr[0.377,0.629], df[0.467,0.209], g[2.317,0.159]
1/1 [=====] - 0s 88ms/step
>3383, dr[0.395,0.926], df[0.477,0.196], g[2.373,0.331]
1/1 [=====] - 0s 88ms/step
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>3384, dr[0.786,0.727], df[0.482,0.127], g[1.900,0.247]
1/1 [=====] - 0s 81ms/step
>3385, dr[0.277,0.804], df[0.595,0.250], g[2.664,0.269]
1/1 [=====] - 0s 85ms/step
>3386, dr[0.365,0.699], df[0.214,0.097], g[2.160,0.341]
1/1 [=====] - 0s 96ms/step
>3387, dr[0.460,0.472], df[0.431,0.111], g[2.485,0.109]
1/1 [=====] - 0s 81ms/step
>3388, dr[0.645,0.626], df[0.395,0.034], g[1.824,0.123]
1/1 [=====] - 0s 94ms/step
>3389, dr[0.337,0.307], df[0.380,0.235], g[1.991,0.176]
1/1 [=====] - 0s 95ms/step
>3390, dr[0.256,0.366], df[0.541,0.087], g[2.046,0.325]
1/1 [=====] - 0s 84ms/step
>3391, dr[0.502,0.732], df[0.202,0.118], g[2.179,0.267]
1/1 [=====] - 0s 107ms/step
>3392, dr[0.226,0.728], df[0.252,0.080], g[2.296,0.088]
1/1 [=====] - 0s 112ms/step
>3393, dr[0.227,0.606], df[0.378,0.240], g[2.406,0.227]
1/1 [=====] - 0s 95ms/step
>3394, dr[0.209,0.276], df[0.232,0.134], g[2.556,0.073]
1/1 [=====] - 0s 85ms/step
>3395, dr[0.481,0.973], df[0.202,0.185], g[2.096,0.131]
1/1 [=====] - 0s 103ms/step
>3396, dr[0.444,0.948], df[0.402,0.183], g[1.413,0.238]
1/1 [=====] - 0s 96ms/step
>3397, dr[0.182,0.700], df[0.865,0.265], g[2.307,0.202]
1/1 [=====] - 0s 94ms/step
>3398, dr[0.331,0.455], df[0.348,0.256], g[2.767,0.294]
1/1 [=====] - 0s 108ms/step
>3399, dr[0.500,0.410], df[0.570,0.220], g[3.217,0.187]
1/1 [=====] - 0s 126ms/step
>3400, dr[0.613,0.435], df[0.283,0.147], g[2.168,0.234]
1/1 [=====] - 0s 114ms/step
>3401, dr[0.206,0.755], df[0.340,0.167], g[2.064,0.262]
1/1 [=====] - 0s 130ms/step
>3402, dr[0.572,0.653], df[0.271,0.122], g[2.022,0.152]
1/1 [=====] - 0s 92ms/step
>3403, dr[0.420,0.645], df[0.517,0.174], g[2.018,0.356]
1/1 [=====] - 0s 103ms/step
>3404, dr[0.205,0.254], df[0.406,0.179], g[2.581,0.130]
1/1 [=====] - 0s 155ms/step
>3405, dr[0.549,0.492], df[0.293,0.270], g[2.623,0.109]
1/1 [=====] - 0s 87ms/step
>3406, dr[0.237,0.374], df[0.361,0.142], g[1.995,0.147]
1/1 [=====] - 0s 83ms/step
>3407, dr[0.604,0.652], df[0.328,0.142], g[2.022,0.134]
1/1 [=====] - 0s 101ms/step
>3408, dr[0.287,0.308], df[0.456,0.243], g[2.004,0.308]
1/1 [=====] - 0s 99ms/step
>3409, dr[0.337,0.745], df[0.269,0.131], g[2.397,0.356]
1/1 [=====] - 0s 84ms/step
>3410, dr[0.497,0.420], df[0.420,0.054], g[2.376,0.111]
1/1 [=====] - 0s 98ms/step
>3411, dr[0.427,0.996], df[0.572,0.139], g[1.991,0.201]
1/1 [=====] - 0s 92ms/step
>3412, dr[0.304,0.657], df[0.605,0.180], g[2.394,0.128]
1/1 [=====] - 0s 81ms/step
>3413, dr[0.319,0.832], df[0.271,0.088], g[2.402,0.269]
1/1 [=====] - 0s 86ms/step
```

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>3414, dr[0.375,0.468], df[0.256,0.174], g[2.395,0.253]
1/1 [=====] - 0s 85ms/step
>3415, dr[0.265,0.658], df[0.121,0.187], g[2.396,0.176]
1/1 [=====] - 0s 93ms/step
>3416, dr[0.509,0.896], df[0.333,0.178], g[2.471,0.113]
1/1 [=====] - 0s 113ms/step
>3417, dr[0.135,0.799], df[0.631,0.231], g[1.820,0.193]
1/1 [=====] - 0s 112ms/step
>3418, dr[0.263,0.577], df[0.201,0.145], g[2.328,0.170]
1/1 [=====] - 0s 111ms/step
>3419, dr[0.562,0.622], df[0.384,0.172], g[1.865,0.213]
1/1 [=====] - 0s 111ms/step
>3420, dr[0.463,0.851], df[0.598,0.299], g[2.308,0.181]
1/1 [=====] - 0s 113ms/step
>3421, dr[0.416,0.526], df[0.245,0.049], g[2.414,0.134]
1/1 [=====] - 0s 125ms/step
>3422, dr[0.233,0.653], df[0.374,0.260], g[2.066,0.159]
1/1 [=====] - 0s 99ms/step
>3423, dr[0.473,0.658], df[0.481,0.074], g[2.407,0.124]
1/1 [=====] - 0s 140ms/step
>3424, dr[0.486,0.363], df[0.432,0.337], g[1.847,0.207]
1/1 [=====] - 0s 98ms/step
>3425, dr[0.442,1.316], df[0.350,0.104], g[2.218,0.144]
1/1 [=====] - 0s 106ms/step
>3426, dr[0.333,0.194], df[0.336,0.159], g[2.083,0.138]
1/1 [=====] - 0s 86ms/step
>3427, dr[0.425,0.705], df[0.350,0.048], g[1.691,0.133]
1/1 [=====] - 0s 97ms/step
>3428, dr[0.345,0.610], df[0.566,0.208], g[1.851,0.162]
1/1 [=====] - 0s 99ms/step
>3429, dr[0.243,0.634], df[0.332,0.141], g[2.247,0.169]
1/1 [=====] - 0s 97ms/step
>3430, dr[0.431,0.847], df[0.146,0.042], g[2.176,0.210]
1/1 [=====] - 0s 89ms/step
>3431, dr[0.322,0.707], df[0.806,0.434], g[1.755,0.116]
1/1 [=====] - 0s 86ms/step
>3432, dr[0.259,0.490], df[0.583,0.272], g[3.127,0.154]
1/1 [=====] - 0s 102ms/step
>3433, dr[0.388,0.547], df[0.180,0.123], g[2.745,0.095]
1/1 [=====] - 0s 112ms/step
>3434, dr[0.416,0.512], df[0.497,0.320], g[2.217,0.215]
1/1 [=====] - 0s 106ms/step
>3435, dr[0.505,0.664], df[0.282,0.161], g[2.525,0.192]
1/1 [=====] - 0s 113ms/step
>3436, dr[0.537,0.757], df[0.378,0.202], g[1.945,0.163]
1/1 [=====] - 0s 107ms/step
>3437, dr[0.361,0.685], df[0.468,0.096], g[2.076,0.129]
1/1 [=====] - 0s 122ms/step
>3438, dr[0.309,0.264], df[0.303,0.257], g[2.031,0.229]
1/1 [=====] - 0s 112ms/step
>3439, dr[0.308,0.585], df[0.545,0.169], g[2.710,0.206]
1/1 [=====] - 0s 107ms/step
>3440, dr[0.551,0.468], df[0.412,0.197], g[1.972,0.158]
1/1 [=====] - 0s 82ms/step
>3441, dr[0.475,0.466], df[0.189,0.080], g[1.800,0.228]
1/1 [=====] - 0s 84ms/step
>3442, dr[0.280,0.678], df[0.330,0.174], g[2.177,0.111]
1/1 [=====] - 0s 101ms/step
>3443, dr[0.359,0.535], df[0.507,0.253], g[2.100,0.238]
1/1 [=====] - 0s 89ms/step
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>3444, dr[0.443,0.545], df[0.354,0.134], g[2.438,0.182]
1/1 [=====] - 0s 100ms/step
>3445, dr[0.335,0.540], df[0.358,0.165], g[2.135,0.237]
1/1 [=====] - 0s 133ms/step
>3446, dr[0.202,0.372], df[0.262,0.107], g[2.345,0.147]
1/1 [=====] - 0s 93ms/step
>3447, dr[0.426,0.888], df[0.281,0.161], g[1.968,0.071]
1/1 [=====] - 0s 89ms/step
>3448, dr[0.251,0.477], df[0.517,0.291], g[2.095,0.228]
1/1 [=====] - 0s 85ms/step
>3449, dr[0.396,0.627], df[0.199,0.070], g[2.124,0.095]
1/1 [=====] - 0s 103ms/step
>3450, dr[0.281,0.510], df[0.334,0.052], g[2.185,0.136]
1/1 [=====] - 0s 88ms/step
>3451, dr[0.459,0.327], df[0.496,0.312], g[2.261,0.142]
1/1 [=====] - 0s 93ms/step
>3452, dr[0.462,0.664], df[0.197,0.168], g[1.840,0.106]
1/1 [=====] - 0s 103ms/step
>3453, dr[0.450,0.535], df[0.259,0.150], g[1.944,0.155]
1/1 [=====] - 0s 101ms/step
>3454, dr[0.370,0.786], df[0.374,0.354], g[2.009,0.161]
1/1 [=====] - 0s 118ms/step
>3455, dr[0.303,0.490], df[0.546,0.203], g[1.848,0.094]
1/1 [=====] - 0s 97ms/step
>3456, dr[0.301,0.622], df[0.758,0.214], g[2.450,0.124]
1/1 [=====] - 0s 85ms/step
>3457, dr[0.802,0.756], df[0.378,0.185], g[2.166,0.161]
1/1 [=====] - 0s 88ms/step
>3458, dr[0.367,0.824], df[0.538,0.123], g[2.414,0.219]
1/1 [=====] - 0s 101ms/step
>3459, dr[0.596,0.719], df[0.584,0.146], g[2.173,0.186]
1/1 [=====] - 0s 92ms/step
>3460, dr[0.185,0.874], df[0.301,0.126], g[2.181,0.141]
1/1 [=====] - 0s 80ms/step
>3461, dr[0.649,0.566], df[0.378,0.122], g[1.966,0.178]
1/1 [=====] - 0s 102ms/step
>3462, dr[0.235,1.161], df[0.717,0.148], g[2.021,0.091]
1/1 [=====] - 0s 113ms/step
>3463, dr[0.279,0.511], df[0.593,0.123], g[2.719,0.138]
1/1 [=====] - 0s 172ms/step
>3464, dr[0.750,0.592], df[0.220,0.159], g[2.069,0.111]
1/1 [=====] - 0s 124ms/step
>3465, dr[0.392,0.564], df[0.445,0.170], g[2.396,0.139]
1/1 [=====] - 0s 96ms/step
>3466, dr[0.572,0.526], df[0.440,0.212], g[2.278,0.145]
1/1 [=====] - 0s 95ms/step
>3467, dr[0.357,0.624], df[0.602,0.103], g[2.155,0.127]
1/1 [=====] - 0s 128ms/step
>3468, dr[0.557,0.879], df[0.310,0.131], g[1.945,0.091]
1/1 [=====] - 0s 172ms/step
>3469, dr[0.559,0.758], df[0.561,0.206], g[2.052,0.177]
1/1 [=====] - 0s 154ms/step
>3470, dr[0.417,1.232], df[0.451,0.112], g[2.266,0.117]
1/1 [=====] - 0s 80ms/step
>3471, dr[0.620,1.114], df[0.304,0.110], g[1.946,0.146]
1/1 [=====] - 0s 80ms/step
>3472, dr[0.447,0.360], df[0.541,0.100], g[1.957,0.154]
1/1 [=====] - 0s 138ms/step
>3473, dr[0.228,0.523], df[0.397,0.218], g[2.122,0.181]
1/1 [=====] - 0s 112ms/step
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>3474, dr[0.470,0.658], df[0.204,0.307], g[1.913,0.112]
1/1 [=====] - 0s 93ms/step
>3475, dr[0.265,0.774], df[0.460,0.102], g[1.824,0.109]
1/1 [=====] - 0s 98ms/step
>3476, dr[0.505,1.008], df[0.456,0.191], g[1.353,0.204]
1/1 [=====] - 0s 115ms/step
>3477, dr[0.244,0.630], df[0.423,0.254], g[2.350,0.121]
1/1 [=====] - 0s 100ms/step
>3478, dr[0.322,1.046], df[0.223,0.082], g[2.229,0.116]
1/1 [=====] - 0s 83ms/step
>3479, dr[0.485,0.767], df[0.428,0.144], g[1.722,0.180]
1/1 [=====] - 0s 109ms/step
>3480, dr[0.208,0.302], df[0.507,0.171], g[2.033,0.206]
1/1 [=====] - 0s 104ms/step
>3481, dr[0.542,0.476], df[0.276,0.163], g[2.049,0.118]
1/1 [=====] - 0s 77ms/step
>3482, dr[0.335,0.444], df[0.395,0.156], g[1.629,0.077]
1/1 [=====] - 0s 83ms/step
>3483, dr[0.264,0.589], df[0.331,0.101], g[2.093,0.112]
1/1 [=====] - 0s 75ms/step
>3484, dr[0.166,0.490], df[0.243,0.212], g[2.067,0.123]
1/1 [=====] - 0s 74ms/step
>3485, dr[0.492,0.931], df[0.288,0.084], g[2.279,0.111]
1/1 [=====] - 0s 109ms/step
>3486, dr[0.319,0.470], df[0.355,0.245], g[1.669,0.110]
1/1 [=====] - 0s 92ms/step
>3487, dr[0.354,0.509], df[0.637,0.155], g[2.192,0.156]
1/1 [=====] - 0s 91ms/step
>3488, dr[0.746,0.640], df[0.362,0.149], g[1.618,0.162]
1/1 [=====] - 0s 98ms/step
>3489, dr[0.421,0.645], df[0.557,0.188], g[1.470,0.126]
1/1 [=====] - 0s 78ms/step
>3490, dr[0.266,0.391], df[0.248,0.092], g[2.251,0.178]
1/1 [=====] - 0s 86ms/step
>3491, dr[0.323,0.338], df[0.507,0.151], g[2.314,0.169]
1/1 [=====] - 0s 90ms/step
>3492, dr[0.231,0.393], df[0.307,0.112], g[2.933,0.157]
1/1 [=====] - 0s 82ms/step
>3493, dr[0.666,0.845], df[0.396,0.274], g[1.666,0.117]
1/1 [=====] - 0s 92ms/step
>3494, dr[0.294,0.305], df[0.377,0.176], g[1.968,0.117]
1/1 [=====] - 0s 89ms/step
>3495, dr[0.316,0.694], df[0.382,0.113], g[1.853,0.194]
1/1 [=====] - 0s 80ms/step
>3496, dr[0.354,0.730], df[0.426,0.140], g[3.090,0.267]
1/1 [=====] - 0s 89ms/step
>3497, dr[0.352,0.372], df[0.221,0.186], g[2.084,0.113]
1/1 [=====] - 0s 88ms/step
>3498, dr[0.456,0.415], df[0.211,0.168], g[1.903,0.090]
1/1 [=====] - 0s 77ms/step
>3499, dr[0.367,0.871], df[0.456,0.221], g[1.695,0.145]
1/1 [=====] - 0s 75ms/step
>3500, dr[0.269,0.477], df[0.358,0.109], g[1.844,0.148]
1/1 [=====] - 0s 76ms/step
>3501, dr[0.353,0.410], df[0.317,0.192], g[2.161,0.281]
1/1 [=====] - 0s 83ms/step
>3502, dr[0.370,0.722], df[0.429,0.139], g[2.326,0.137]
1/1 [=====] - 0s 80ms/step
>3503, dr[0.371,0.406], df[0.389,0.108], g[1.837,0.285]
1/1 [=====] - 0s 81ms/step
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>3504, dr[0.434,0.739], df[0.375,0.164], g[1.863,0.216]
1/1 [=====] - 0s 80ms/step
>3505, dr[0.209,0.705], df[0.280,0.165], g[1.874,0.146]
1/1 [=====] - 0s 83ms/step
>3506, dr[0.283,0.826], df[0.575,0.301], g[2.240,0.141]
1/1 [=====] - 0s 85ms/step
>3507, dr[0.391,0.588], df[0.374,0.114], g[2.243,0.084]
1/1 [=====] - 0s 76ms/step
>3508, dr[0.547,0.769], df[0.235,0.106], g[1.609,0.120]
1/1 [=====] - 0s 77ms/step
>3509, dr[0.424,0.328], df[0.597,0.097], g[2.159,0.196]
1/1 [=====] - 0s 94ms/step
>3510, dr[0.535,0.623], df[0.585,0.207], g[2.019,0.187]
1/1 [=====] - 0s 80ms/step
>3511, dr[0.872,0.677], df[0.560,0.142], g[1.824,0.287]
1/1 [=====] - 0s 93ms/step
>3512, dr[0.428,0.754], df[0.384,0.048], g[2.038,0.196]
1/1 [=====] - 0s 88ms/step
>3513, dr[0.395,0.563], df[0.433,0.242], g[2.084,0.187]
1/1 [=====] - 0s 94ms/step
>3514, dr[0.360,0.721], df[0.483,0.193], g[1.815,0.151]
1/1 [=====] - 0s 173ms/step
>3515, dr[0.462,0.654], df[0.547,0.104], g[1.754,0.122]
1/1 [=====] - 0s 88ms/step
>3516, dr[0.436,0.487], df[0.404,0.117], g[2.508,0.137]
1/1 [=====] - 0s 90ms/step
>3517, dr[0.780,0.565], df[0.408,0.128], g[1.613,0.164]
1/1 [=====] - 0s 91ms/step
>3518, dr[0.228,0.827], df[0.620,0.169], g[1.811,0.260]
1/1 [=====] - 0s 140ms/step
>3519, dr[0.337,0.949], df[0.220,0.200], g[2.169,0.185]
1/1 [=====] - 0s 150ms/step
>3520, dr[0.427,0.544], df[0.266,0.308], g[1.420,0.178]
1/1 [=====] - 0s 142ms/step
>3521, dr[0.229,0.562], df[0.307,0.284], g[1.970,0.156]
1/1 [=====] - 0s 168ms/step
>3522, dr[0.270,0.523], df[0.385,0.211], g[2.169,0.176]
1/1 [=====] - 0s 160ms/step
>3523, dr[0.255,0.630], df[0.433,0.308], g[2.231,0.127]
1/1 [=====] - 0s 101ms/step
>3524, dr[0.378,0.517], df[0.271,0.154], g[2.007,0.178]
1/1 [=====] - 0s 104ms/step
>3525, dr[0.367,0.496], df[0.326,0.273], g[2.333,0.172]
1/1 [=====] - 0s 95ms/step
>3526, dr[0.368,0.893], df[0.297,0.172], g[2.060,0.142]
1/1 [=====] - 0s 157ms/step
>3527, dr[0.213,0.407], df[0.255,0.112], g[1.983,0.090]
1/1 [=====] - 0s 151ms/step
>3528, dr[0.491,0.611], df[0.361,0.151], g[1.617,0.215]
1/1 [=====] - 0s 133ms/step
>3529, dr[0.352,0.740], df[0.588,0.169], g[1.844,0.251]
1/1 [=====] - 0s 121ms/step
>3530, dr[0.592,0.796], df[0.229,0.125], g[2.273,0.201]
1/1 [=====] - 0s 140ms/step
>3531, dr[0.330,0.612], df[0.516,0.116], g[1.289,0.151]
1/1 [=====] - 0s 102ms/step
>3532, dr[0.229,0.449], df[0.275,0.052], g[1.981,0.145]
1/1 [=====] - 0s 108ms/step
>3533, dr[0.183,0.451], df[0.292,0.144], g[2.289,0.129]
1/1 [=====] - 0s 130ms/step
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>3534, dr[0.376,0.334], df[0.332,0.146], g[2.603,0.143]
1/1 [=====] - 0s 105ms/step
>3535, dr[0.418,0.284], df[0.220,0.139], g[2.574,0.081]
1/1 [=====] - 0s 103ms/step
>3536, dr[0.385,0.837], df[0.491,0.202], g[2.063,0.174]
1/1 [=====] - 0s 141ms/step
>3537, dr[0.249,0.688], df[0.535,0.309], g[2.117,0.226]
1/1 [=====] - 0s 95ms/step
>3538, dr[0.326,0.475], df[0.220,0.069], g[2.197,0.101]
1/1 [=====] - 0s 78ms/step
>3539, dr[0.583,0.843], df[0.200,0.100], g[2.103,0.227]
1/1 [=====] - 0s 99ms/step
>3540, dr[0.436,0.595], df[0.707,0.242], g[1.731,0.105]
1/1 [=====] - 0s 90ms/step
>3541, dr[0.277,0.770], df[0.430,0.227], g[1.913,0.173]
1/1 [=====] - 0s 85ms/step
>3542, dr[0.361,0.410], df[0.489,0.144], g[2.236,0.273]
1/1 [=====] - 0s 89ms/step
>3543, dr[0.623,0.685], df[0.330,0.114], g[2.075,0.099]
1/1 [=====] - 0s 79ms/step
>3544, dr[0.202,0.213], df[0.557,0.240], g[2.264,0.177]
1/1 [=====] - 0s 84ms/step
>3545, dr[0.427,0.359], df[0.354,0.198], g[2.542,0.086]
1/1 [=====] - 0s 88ms/step
>3546, dr[0.900,0.362], df[0.612,0.095], g[2.002,0.122]
1/1 [=====] - 0s 83ms/step
>3547, dr[0.241,1.177], df[0.352,0.136], g[1.884,0.177]
1/1 [=====] - 0s 89ms/step
>3548, dr[0.309,0.716], df[0.200,0.123], g[2.038,0.119]
1/1 [=====] - 0s 91ms/step
>3549, dr[0.519,0.631], df[0.549,0.139], g[1.900,0.151]
1/1 [=====] - 0s 93ms/step
>3550, dr[0.366,0.707], df[0.368,0.087], g[1.914,0.168]
1/1 [=====] - 0s 93ms/step
>3551, dr[0.426,0.245], df[0.535,0.359], g[2.089,0.189]
1/1 [=====] - 0s 83ms/step
>3552, dr[0.419,0.549], df[0.466,0.210], g[2.145,0.166]
1/1 [=====] - 0s 78ms/step
>3553, dr[0.321,0.936], df[0.338,0.123], g[2.221,0.084]
1/1 [=====] - 0s 93ms/step
>3554, dr[0.341,0.687], df[0.483,0.084], g[2.026,0.142]
1/1 [=====] - 0s 130ms/step
>3555, dr[0.383,0.683], df[0.362,0.100], g[1.857,0.208]
1/1 [=====] - 0s 92ms/step
>3556, dr[0.732,0.552], df[0.484,0.099], g[1.499,0.142]
1/1 [=====] - 0s 79ms/step
>3557, dr[0.363,0.934], df[0.469,0.075], g[1.858,0.213]
1/1 [=====] - 0s 80ms/step
>3558, dr[0.280,0.473], df[0.504,0.070], g[2.241,0.182]
1/1 [=====] - 0s 86ms/step
>3559, dr[0.210,0.338], df[0.269,0.155], g[2.808,0.101]
1/1 [=====] - 0s 83ms/step
>3560, dr[0.807,0.427], df[0.267,0.222], g[2.120,0.156]
1/1 [=====] - 0s 91ms/step
>3561, dr[0.323,0.537], df[0.463,0.126], g[1.827,0.114]
1/1 [=====] - 0s 105ms/step
>3562, dr[0.397,0.674], df[0.337,0.138], g[1.688,0.141]
1/1 [=====] - 0s 102ms/step
>3563, dr[0.210,0.538], df[0.307,0.211], g[2.103,0.162]
1/1 [=====] - 0s 113ms/step
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>3564, dr[0.326,0.619], df[0.386,0.101], g[2.009,0.085]
1/1 [=====] - 0s 78ms/step
>3565, dr[0.447,0.588], df[0.533,0.147], g[2.586,0.119]
1/1 [=====] - 0s 96ms/step
>3566, dr[0.477,0.664], df[0.329,0.079], g[2.310,0.272]
1/1 [=====] - 0s 87ms/step
>3567, dr[0.422,0.564], df[0.392,0.255], g[1.778,0.229]
1/1 [=====] - 0s 94ms/step
>3568, dr[0.606,0.810], df[0.317,0.097], g[2.034,0.156]
1/1 [=====] - 0s 83ms/step
>3569, dr[0.281,0.443], df[0.580,0.241], g[2.086,0.119]
1/1 [=====] - 0s 98ms/step
>3570, dr[0.454,0.467], df[0.398,0.063], g[2.280,0.134]
1/1 [=====] - 0s 91ms/step
>3571, dr[0.376,0.415], df[0.349,0.173], g[1.989,0.175]
1/1 [=====] - 0s 82ms/step
>3572, dr[0.380,0.375], df[0.391,0.152], g[1.994,0.175]
1/1 [=====] - 0s 93ms/step
>3573, dr[0.476,0.662], df[0.422,0.054], g[2.099,0.196]
1/1 [=====] - 0s 102ms/step
>3574, dr[0.306,0.724], df[0.533,0.081], g[2.669,0.107]
1/1 [=====] - 0s 82ms/step
>3575, dr[0.642,0.377], df[0.348,0.299], g[2.334,0.152]
1/1 [=====] - 0s 86ms/step
>3576, dr[0.574,0.720], df[0.573,0.074], g[1.945,0.232]
1/1 [=====] - 0s 92ms/step
>3577, dr[0.564,0.687], df[0.429,0.163], g[2.106,0.101]
1/1 [=====] - 0s 97ms/step
>3578, dr[0.480,0.711], df[0.407,0.219], g[1.717,0.101]
1/1 [=====] - 0s 89ms/step
>3579, dr[0.248,0.329], df[0.544,0.129], g[2.381,0.093]
1/1 [=====] - 0s 86ms/step
>3580, dr[0.310,0.344], df[0.338,0.230], g[2.678,0.084]
1/1 [=====] - 0s 80ms/step
>3581, dr[0.650,0.458], df[0.507,0.127], g[2.242,0.193]
1/1 [=====] - 0s 83ms/step
>3582, dr[0.244,1.034], df[0.324,0.081], g[2.081,0.143]
1/1 [=====] - 0s 77ms/step
>3583, dr[0.380,0.527], df[0.680,0.127], g[2.233,0.159]
1/1 [=====] - 0s 88ms/step
>3584, dr[0.622,1.243], df[0.390,0.147], g[1.989,0.124]
1/1 [=====] - 0s 86ms/step
>3585, dr[0.402,0.480], df[0.434,0.246], g[2.029,0.192]
1/1 [=====] - 0s 80ms/step
>3586, dr[0.496,0.411], df[0.417,0.139], g[2.072,0.176]
1/1 [=====] - 0s 98ms/step
>3587, dr[0.270,0.736], df[0.374,0.196], g[2.148,0.121]
1/1 [=====] - 0s 78ms/step
>3588, dr[0.336,0.888], df[0.461,0.181], g[1.939,0.148]
1/1 [=====] - 0s 77ms/step
>3589, dr[0.281,0.550], df[0.332,0.176], g[2.546,0.196]
1/1 [=====] - 0s 80ms/step
>3590, dr[0.380,0.463], df[0.317,0.097], g[2.079,0.078]
1/1 [=====] - 0s 83ms/step
>3591, dr[0.513,0.820], df[0.312,0.175], g[2.116,0.117]
1/1 [=====] - 0s 101ms/step
>3592, dr[0.215,0.849], df[0.428,0.100], g[2.588,0.152]
1/1 [=====] - 0s 91ms/step
>3593, dr[0.307,0.606], df[0.572,0.280], g[2.275,0.119]
1/1 [=====] - 0s 78ms/step
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>3594, dr[0.492,0.494], df[0.339,0.196], g[1.827,0.158]
1/1 [=====] - 0s 86ms/step
>3595, dr[0.451,0.645], df[0.225,0.208], g[1.816,0.097]
1/1 [=====] - 0s 88ms/step
>3596, dr[0.364,0.267], df[0.435,0.100], g[1.606,0.185]
1/1 [=====] - 0s 87ms/step
>3597, dr[0.280,0.706], df[0.541,0.090], g[2.050,0.185]
1/1 [=====] - 0s 98ms/step
>3598, dr[0.295,0.512], df[0.408,0.103], g[2.125,0.098]
1/1 [=====] - 0s 76ms/step
>3599, dr[0.444,0.678], df[0.374,0.154], g[1.828,0.173]
1/1 [=====] - 0s 79ms/step
>3600, dr[0.428,0.509], df[0.473,0.216], g[2.313,0.104]
1/1 [=====] - 0s 83ms/step
>3601, dr[0.225,0.859], df[0.342,0.115], g[2.063,0.275]
1/1 [=====] - 0s 83ms/step
>3602, dr[0.585,0.774], df[0.252,0.092], g[2.137,0.212]
1/1 [=====] - 0s 88ms/step
>3603, dr[0.417,0.613], df[0.484,0.058], g[2.123,0.286]
1/1 [=====] - 0s 78ms/step
>3604, dr[0.352,0.525], df[0.555,0.101], g[2.337,0.140]
1/1 [=====] - 0s 86ms/step
>3605, dr[0.315,0.377], df[0.410,0.144], g[2.075,0.253]
1/1 [=====] - 0s 81ms/step
>3606, dr[0.684,0.778], df[0.355,0.093], g[1.466,0.184]
1/1 [=====] - 0s 82ms/step
>3607, dr[0.182,0.534], df[0.949,0.267], g[2.611,0.129]
1/1 [=====] - 0s 144ms/step
>3608, dr[0.550,1.388], df[0.383,0.289], g[2.831,0.130]
1/1 [=====] - 0s 116ms/step
>3609, dr[0.523,0.871], df[0.480,0.253], g[2.587,0.127]
1/1 [=====] - 0s 86ms/step
>3610, dr[0.766,0.701], df[0.573,0.071], g[2.029,0.106]
1/1 [=====] - 0s 83ms/step
>3611, dr[0.369,0.978], df[0.260,0.108], g[1.674,0.197]
1/1 [=====] - 0s 93ms/step
>3612, dr[0.135,0.849], df[0.429,0.101], g[1.831,0.101]
1/1 [=====] - 0s 113ms/step
>3613, dr[0.437,1.052], df[0.664,0.108], g[2.386,0.177]
1/1 [=====] - 0s 125ms/step
>3614, dr[0.613,0.797], df[0.354,0.092], g[1.902,0.237]
1/1 [=====] - 0s 142ms/step
>3615, dr[0.277,0.478], df[0.374,0.172], g[1.811,0.230]
1/1 [=====] - 0s 112ms/step
>3616, dr[0.544,0.265], df[0.320,0.120], g[2.119,0.100]
1/1 [=====] - 0s 82ms/step
>3617, dr[0.190,0.507], df[0.396,0.095], g[2.418,0.167]
1/1 [=====] - 0s 122ms/step
>3618, dr[0.434,0.400], df[0.299,0.106], g[1.872,0.125]
1/1 [=====] - 0s 130ms/step
>3619, dr[0.338,0.491], df[0.529,0.072], g[2.511,0.184]
1/1 [=====] - 0s 111ms/step
>3620, dr[0.310,0.742], df[0.407,0.109], g[2.895,0.289]
1/1 [=====] - 0s 80ms/step
>3621, dr[0.563,0.150], df[0.510,0.126], g[2.580,0.119]
1/1 [=====] - 0s 89ms/step
>3622, dr[0.724,0.857], df[0.259,0.180], g[1.765,0.110]
1/1 [=====] - 0s 107ms/step
>3623, dr[0.402,0.543], df[0.465,0.051], g[1.422,0.228]
1/1 [=====] - 0s 89ms/step
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>3624, dr[0.197,0.450], df[0.380,0.077], g[2.051,0.408]
1/1 [=====] - 0s 85ms/step
>3625, dr[0.345,0.521], df[0.328,0.095], g[2.106,0.218]
1/1 [=====] - 0s 100ms/step
>3626, dr[0.279,0.554], df[0.263,0.161], g[2.295,0.269]
1/1 [=====] - 0s 89ms/step
>3627, dr[0.478,0.482], df[0.373,0.069], g[2.031,0.121]
1/1 [=====] - 0s 77ms/step
>3628, dr[0.421,0.477], df[0.267,0.070], g[2.011,0.055]
1/1 [=====] - 0s 97ms/step
>3629, dr[0.398,0.365], df[0.531,0.078], g[1.785,0.149]
1/1 [=====] - 0s 85ms/step
>3630, dr[0.263,0.628], df[0.403,0.276], g[1.842,0.145]
1/1 [=====] - 0s 79ms/step
>3631, dr[0.417,0.520], df[0.514,0.174], g[2.386,0.242]
1/1 [=====] - 0s 82ms/step
>3632, dr[0.579,0.615], df[0.404,0.170], g[2.302,0.289]
1/1 [=====] - 0s 79ms/step
>3633, dr[0.430,0.822], df[0.261,0.260], g[2.100,0.257]
1/1 [=====] - 0s 94ms/step
>3634, dr[0.512,0.579], df[0.676,0.078], g[1.953,0.096]
1/1 [=====] - 0s 94ms/step
>3635, dr[0.390,0.600], df[0.482,0.183], g[2.131,0.222]
1/1 [=====] - 0s 83ms/step
>3636, dr[0.383,0.221], df[0.275,0.275], g[1.878,0.191]
1/1 [=====] - 0s 96ms/step
>3637, dr[0.517,0.816], df[0.638,0.112], g[2.165,0.098]
1/1 [=====] - 0s 110ms/step
>3638, dr[0.262,0.366], df[0.295,0.111], g[2.074,0.120]
1/1 [=====] - 0s 90ms/step
>3639, dr[0.268,0.406], df[0.306,0.182], g[2.405,0.135]
1/1 [=====] - 0s 103ms/step
>3640, dr[0.459,0.147], df[0.397,0.125], g[2.343,0.153]
1/1 [=====] - 0s 90ms/step
>3641, dr[0.276,0.466], df[0.286,0.187], g[2.125,0.149]
1/1 [=====] - 0s 95ms/step
>3642, dr[0.586,0.660], df[0.292,0.178], g[1.728,0.177]
1/1 [=====] - 0s 88ms/step
>3643, dr[0.420,0.926], df[0.506,0.149], g[1.913,0.110]
1/1 [=====] - 0s 97ms/step
>3644, dr[0.341,0.722], df[0.381,0.141], g[2.078,0.070]
1/1 [=====] - 0s 80ms/step
>3645, dr[0.422,0.371], df[0.566,0.104], g[2.365,0.195]
1/1 [=====] - 0s 85ms/step
>3646, dr[0.451,0.637], df[0.377,0.371], g[1.983,0.254]
1/1 [=====] - 0s 107ms/step
>3647, dr[0.653,0.639], df[0.417,0.121], g[2.066,0.067]
1/1 [=====] - 0s 84ms/step
>3648, dr[0.285,0.834], df[0.433,0.347], g[1.842,0.112]
1/1 [=====] - 0s 100ms/step
>3649, dr[0.465,0.899], df[0.339,0.131], g[1.772,0.158]
1/1 [=====] - 0s 79ms/step
>3650, dr[0.465,0.703], df[0.784,0.217], g[2.495,0.214]
1/1 [=====] - 0s 105ms/step
>3651, dr[0.456,0.754], df[0.261,0.190], g[2.004,0.151]
1/1 [=====] - 0s 86ms/step
>3652, dr[0.377,0.861], df[0.526,0.230], g[2.124,0.172]
1/1 [=====] - 0s 85ms/step
>3653, dr[0.569,0.770], df[0.578,0.219], g[1.556,0.228]
1/1 [=====] - 0s 84ms/step
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```
>3654, dr[0.307,0.413], df[0.609,0.158], g[2.170,0.149]
1/1 [=====] - 0s 93ms/step
>3655, dr[0.524,0.835], df[0.278,0.046], g[1.987,0.186]
1/1 [=====] - 0s 109ms/step
>3656, dr[0.380,0.558], df[0.297,0.181], g[2.085,0.106]
1/1 [=====] - 0s 104ms/step
>3657, dr[0.329,0.646], df[0.496,0.129], g[1.917,0.174]
1/1 [=====] - 0s 81ms/step
>3658, dr[0.482,0.530], df[0.949,0.203], g[2.293,0.129]
1/1 [=====] - 0s 92ms/step
>3659, dr[0.308,0.451], df[0.473,0.307], g[2.779,0.189]
1/1 [=====] - 0s 80ms/step
>3660, dr[0.374,0.669], df[0.279,0.132], g[2.263,0.139]
1/1 [=====] - 0s 95ms/step
>3661, dr[0.705,0.353], df[0.173,0.110], g[2.278,0.092]
1/1 [=====] - 0s 101ms/step
>3662, dr[0.661,0.804], df[0.735,0.160], g[1.591,0.178]
1/1 [=====] - 0s 83ms/step
>3663, dr[0.234,0.619], df[0.657,0.247], g[1.497,0.196]
1/1 [=====] - 0s 89ms/step
>3664, dr[0.493,0.458], df[0.465,0.050], g[1.505,0.121]
1/1 [=====] - 0s 88ms/step
>3665, dr[0.349,0.542], df[0.366,0.399], g[2.107,0.162]
1/1 [=====] - 0s 94ms/step
>3666, dr[0.597,0.518], df[0.630,0.259], g[2.272,0.126]
1/1 [=====] - 0s 89ms/step
>3667, dr[0.582,0.421], df[0.469,0.276], g[2.187,0.174]
1/1 [=====] - 0s 89ms/step
>3668, dr[0.300,0.493], df[0.541,0.172], g[2.441,0.148]
1/1 [=====] - 0s 92ms/step
>3669, dr[0.460,0.809], df[0.358,0.093], g[2.130,0.067]
1/1 [=====] - 0s 87ms/step
>3670, dr[0.557,0.634], df[0.361,0.103], g[1.764,0.117]
1/1 [=====] - 0s 96ms/step
>3671, dr[0.551,1.209], df[0.633,0.131], g[1.648,0.162]
1/1 [=====] - 0s 89ms/step
>3672, dr[0.206,0.726], df[0.647,0.129], g[2.345,0.113]
1/1 [=====] - 0s 88ms/step
>3673, dr[0.769,0.585], df[0.322,0.208], g[1.930,0.200]
1/1 [=====] - 0s 82ms/step
>3674, dr[0.593,0.664], df[0.512,0.130], g[2.275,0.178]
1/1 [=====] - 0s 80ms/step
>3675, dr[0.307,0.929], df[0.461,0.159], g[1.960,0.100]
1/1 [=====] - 0s 87ms/step
>3676, dr[0.887,1.364], df[0.454,0.276], g[1.827,0.146]
1/1 [=====] - 0s 86ms/step
>3677, dr[0.489,0.845], df[0.861,0.043], g[2.104,0.121]
1/1 [=====] - 0s 90ms/step
>3678, dr[0.299,0.683], df[0.448,0.297], g[2.775,0.117]
1/1 [=====] - 0s 88ms/step
>3679, dr[0.672,0.550], df[0.212,0.094], g[1.964,0.131]
1/1 [=====] - 0s 95ms/step
>3680, dr[0.445,0.718], df[0.385,0.330], g[1.682,0.089]
1/1 [=====] - 0s 100ms/step
>3681, dr[0.342,0.707], df[0.247,0.212], g[2.039,0.170]
1/1 [=====] - 0s 89ms/step
>3682, dr[0.325,0.485], df[0.542,0.209], g[2.022,0.184]
1/1 [=====] - 0s 95ms/step
>3683, dr[0.546,0.848], df[0.527,0.199], g[1.994,0.210]
1/1 [=====] - 0s 83ms/step
```

```
>3684, dr[0.419,0.228], df[0.724,0.158], g[2.159,0.143]
1/1 [=====] - 0s 88ms/step
>3685, dr[0.321,0.373], df[0.278,0.292], g[2.422,0.136]
1/1 [=====] - 0s 82ms/step
>3686, dr[0.453,0.573], df[0.325,0.245], g[1.899,0.174]
1/1 [=====] - 0s 90ms/step
>3687, dr[0.409,0.302], df[0.436,0.164], g[2.025,0.292]
1/1 [=====] - 0s 77ms/step
>3688, dr[0.282,0.457], df[0.255,0.064], g[1.975,0.180]
1/1 [=====] - 0s 80ms/step
>3689, dr[0.196,0.228], df[0.326,0.106], g[2.086,0.219]
1/1 [=====] - 0s 84ms/step
>3690, dr[0.191,0.594], df[0.392,0.097], g[2.111,0.168]
1/1 [=====] - 0s 81ms/step
>3691, dr[0.532,0.652], df[0.471,0.210], g[1.874,0.041]
1/1 [=====] - 0s 99ms/step
>3692, dr[0.461,0.497], df[0.521,0.248], g[2.050,0.106]
1/1 [=====] - 0s 80ms/step
>3693, dr[0.637,0.289], df[0.269,0.159], g[1.915,0.209]
1/1 [=====] - 0s 79ms/step
>3694, dr[0.449,0.627], df[0.619,0.129], g[1.812,0.142]
1/1 [=====] - 0s 86ms/step
>3695, dr[0.208,0.472], df[0.352,0.139], g[2.103,0.075]
1/1 [=====] - 0s 80ms/step
>3696, dr[0.535,0.725], df[0.398,0.079], g[1.715,0.172]
1/1 [=====] - 0s 88ms/step
>3697, dr[0.408,0.581], df[0.508,0.170], g[1.770,0.313]
1/1 [=====] - 0s 78ms/step
>3698, dr[0.576,0.465], df[0.708,0.381], g[1.459,0.178]
1/1 [=====] - 0s 88ms/step
>3699, dr[0.538,0.596], df[0.562,0.237], g[2.005,0.080]
1/1 [=====] - 0s 86ms/step
>3700, dr[0.298,0.458], df[0.365,0.165], g[1.944,0.175]
1/1 [=====] - 0s 88ms/step
>3701, dr[0.437,0.910], df[0.396,0.040], g[1.710,0.113]
1/1 [=====] - 0s 87ms/step
>3702, dr[0.509,0.555], df[0.455,0.268], g[1.711,0.193]
1/1 [=====] - 0s 81ms/step
>3703, dr[0.308,0.921], df[0.625,0.132], g[2.290,0.229]
1/1 [=====] - 0s 80ms/step
>3704, dr[0.406,0.560], df[0.336,0.231], g[2.503,0.246]
1/1 [=====] - 0s 86ms/step
>3705, dr[0.493,0.761], df[0.483,0.070], g[2.218,0.084]
1/1 [=====] - 0s 105ms/step
>3706, dr[0.346,0.673], df[0.549,0.064], g[2.393,0.092]
1/1 [=====] - 0s 90ms/step
>3707, dr[0.545,0.988], df[0.345,0.150], g[1.913,0.146]
1/1 [=====] - 0s 123ms/step
>3708, dr[0.203,0.383], df[0.547,0.237], g[1.946,0.179]
1/1 [=====] - 0s 97ms/step
>3709, dr[0.437,0.785], df[0.336,0.084], g[2.166,0.283]
1/1 [=====] - 0s 94ms/step
>3710, dr[0.494,0.688], df[0.412,0.077], g[1.699,0.273]
1/1 [=====] - 0s 87ms/step
>3711, dr[0.604,0.444], df[0.589,0.238], g[2.004,0.130]
1/1 [=====] - 0s 84ms/step
>3712, dr[0.552,0.781], df[0.589,0.054], g[2.054,0.110]
1/1 [=====] - 0s 92ms/step
>3713, dr[0.339,0.773], df[0.256,0.078], g[2.035,0.160]
1/1 [=====] - 0s 106ms/step
```

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>3714, dr[0.338,0.408], df[0.404,0.260], g[1.761,0.174]
1/1 [=====] - 0s 89ms/step
>3715, dr[0.722,0.366], df[0.462,0.150], g[1.694,0.163]
1/1 [=====] - 0s 88ms/step
>3716, dr[0.258,1.151], df[0.338,0.173], g[1.917,0.141]
1/1 [=====] - 0s 100ms/step
>3717, dr[0.544,0.336], df[0.558,0.070], g[1.849,0.120]
1/1 [=====] - 0s 83ms/step
>3718, dr[0.240,0.715], df[0.405,0.255], g[2.502,0.074]
1/1 [=====] - 0s 98ms/step
>3719, dr[0.776,0.924], df[0.606,0.130], g[2.020,0.049]
1/1 [=====] - 0s 137ms/step
>3720, dr[0.645,0.810], df[0.447,0.330], g[1.675,0.186]
1/1 [=====] - 0s 130ms/step
>3721, dr[0.271,0.782], df[0.359,0.075], g[1.993,0.153]
1/1 [=====] - 0s 100ms/step
>3722, dr[0.508,0.891], df[0.446,0.239], g[2.021,0.232]
1/1 [=====] - 0s 124ms/step
>3723, dr[0.347,0.627], df[0.539,0.230], g[2.052,0.144]
1/1 [=====] - 0s 153ms/step
>3724, dr[0.444,0.746], df[0.496,0.119], g[2.713,0.119]
1/1 [=====] - 0s 193ms/step
>3725, dr[0.429,0.712], df[0.212,0.102], g[2.210,0.179]
1/1 [=====] - 0s 116ms/step
>3726, dr[0.234,0.637], df[0.298,0.188], g[2.197,0.141]
1/1 [=====] - 0s 107ms/step
>3727, dr[0.683,0.539], df[0.523,0.212], g[1.806,0.096]
1/1 [=====] - 0s 132ms/step
>3728, dr[0.339,0.557], df[0.603,0.334], g[1.689,0.175]
1/1 [=====] - 0s 105ms/step
>3729, dr[0.495,0.918], df[0.556,0.201], g[2.394,0.111]
1/1 [=====] - 0s 105ms/step
>3730, dr[0.378,0.544], df[0.558,0.169], g[2.075,0.202]
1/1 [=====] - 0s 136ms/step
>3731, dr[0.384,0.541], df[0.364,0.131], g[2.184,0.130]
1/1 [=====] - 0s 145ms/step
>3732, dr[0.419,0.313], df[0.396,0.049], g[2.086,0.083]
1/1 [=====] - 0s 81ms/step
>3733, dr[0.517,0.712], df[0.589,0.217], g[1.650,0.125]
1/1 [=====] - 0s 82ms/step
>3734, dr[0.508,1.143], df[0.485,0.055], g[2.428,0.085]
1/1 [=====] - 0s 86ms/step
>3735, dr[0.544,0.777], df[0.636,0.134], g[1.923,0.160]
1/1 [=====] - 0s 82ms/step
>3736, dr[0.573,1.045], df[0.610,0.278], g[2.089,0.144]
1/1 [=====] - 0s 78ms/step
>3737, dr[0.406,0.594], df[0.369,0.118], g[1.841,0.100]
1/1 [=====] - 0s 96ms/step
>3738, dr[0.307,0.540], df[0.306,0.273], g[1.930,0.068]
1/1 [=====] - 0s 90ms/step
>3739, dr[0.458,0.661], df[0.323,0.182], g[1.595,0.110]
1/1 [=====] - 0s 82ms/step
>3740, dr[0.373,0.928], df[0.327,0.114], g[1.396,0.163]
1/1 [=====] - 0s 85ms/step
>3741, dr[0.250,0.556], df[0.732,0.117], g[2.131,0.088]
1/1 [=====] - 0s 98ms/step
>3742, dr[0.492,0.559], df[0.427,0.175], g[2.236,0.139]
1/1 [=====] - 0s 84ms/step
>3743, dr[0.462,0.636], df[0.420,0.159], g[1.975,0.155]
1/1 [=====] - 0s 92ms/step
```

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>3744, dr[0.541,0.378], df[0.433,0.103], g[1.520,0.126]
1/1 [=====] - 0s 104ms/step
>3745, dr[0.388,0.978], df[0.273,0.269], g[1.800,0.121]
1/1 [=====] - 0s 92ms/step
>3746, dr[0.354,0.470], df[0.433,0.144], g[2.269,0.115]
1/1 [=====] - 0s 154ms/step
>3747, dr[0.706,1.015], df[0.816,0.238], g[1.158,0.087]
1/1 [=====] - 0s 93ms/step
>3748, dr[0.365,0.643], df[0.411,0.258], g[1.576,0.153]
1/1 [=====] - 0s 61ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 101ms/step
>3749, dr[0.304,0.371], df[0.675,0.086], g[1.856,0.212]
1/1 [=====] - 0s 94ms/step
>3750, dr[0.567,0.625], df[0.379,0.189], g[1.708,0.217]
1/1 [=====] - 0s 82ms/step
>3751, dr[0.272,0.252], df[0.367,0.155], g[2.137,0.306]
1/1 [=====] - 0s 198ms/step
>3752, dr[0.558,0.453], df[0.331,0.118], g[1.601,0.195]
1/1 [=====] - 0s 87ms/step
>3753, dr[0.402,0.604], df[0.708,0.188], g[1.791,0.190]
1/1 [=====] - 0s 86ms/step
>3754, dr[0.365,0.649], df[0.401,0.095], g[2.059,0.114]
1/1 [=====] - 0s 81ms/step
>3755, dr[0.348,0.255], df[0.307,0.143], g[2.034,0.241]
1/1 [=====] - 0s 84ms/step
>3756, dr[0.688,0.736], df[0.458,0.141], g[2.146,0.155]
1/1 [=====] - 0s 85ms/step
>3757, dr[0.574,0.786], df[0.670,0.128], g[1.342,0.263]
1/1 [=====] - 0s 91ms/step
>3758, dr[0.598,0.370], df[0.401,0.115], g[2.202,0.137]
1/1 [=====] - 0s 96ms/step
>3759, dr[0.493,0.951], df[0.621,0.211], g[1.866,0.104]
1/1 [=====] - 0s 93ms/step
>3760, dr[0.341,1.081], df[0.461,0.097], g[2.449,0.117]
1/1 [=====] - 0s 94ms/step
>3761, dr[0.520,0.785], df[0.342,0.193], g[2.203,0.103]
1/1 [=====] - 0s 83ms/step
>3762, dr[0.432,0.662], df[0.449,0.191], g[1.711,0.164]
1/1 [=====] - 0s 91ms/step
>3763, dr[0.374,0.401], df[0.598,0.219], g[1.870,0.141]
1/1 [=====] - 0s 82ms/step
>3764, dr[0.517,0.478], df[0.260,0.062], g[2.194,0.079]
1/1 [=====] - 0s 89ms/step
>3765, dr[0.466,0.340], df[0.457,0.109], g[1.542,0.193]
1/1 [=====] - 0s 94ms/step
>3766, dr[0.468,0.235], df[0.602,0.138], g[1.770,0.180]
1/1 [=====] - 0s 88ms/step
>3767, dr[0.283,0.785], df[0.295,0.038], g[1.919,0.102]
1/1 [=====] - 0s 92ms/step
>3768, dr[0.319,0.456], df[0.243,0.088], g[1.850,0.109]
1/1 [=====] - 0s 102ms/step
>3769, dr[0.549,0.578], df[0.452,0.095], g[1.493,0.140]
1/1 [=====] - 0s 83ms/step
>3770, dr[0.443,0.623], df[0.490,0.159], g[1.584,0.109]
1/1 [=====] - 0s 92ms/step
>3771, dr[0.406,1.390], df[0.550,0.069], g[1.709,0.128]
1/1 [=====] - 0s 88ms/step
```

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>3772, dr[0.443,0.285], df[0.352,0.249], g[2.256,0.263]
1/1 [=====] - 0s 80ms/step
>3773, dr[0.344,0.623], df[0.145,0.174], g[1.344,0.356]
1/1 [=====] - 0s 83ms/step
>3774, dr[0.494,0.685], df[0.679,0.147], g[1.358,0.237]
1/1 [=====] - 0s 86ms/step
>3775, dr[0.240,0.257], df[0.451,0.140], g[1.992,0.139]
1/1 [=====] - 0s 154ms/step
>3776, dr[0.539,0.516], df[0.384,0.286], g[2.021,0.097]
1/1 [=====] - 0s 90ms/step
>3777, dr[0.282,0.750], df[0.467,0.114], g[1.939,0.121]
1/1 [=====] - 0s 113ms/step
>3778, dr[0.420,0.288], df[0.785,0.130], g[2.092,0.109]
1/1 [=====] - 0s 85ms/step
>3779, dr[0.320,0.601], df[0.505,0.226], g[2.809,0.171]
1/1 [=====] - 0s 87ms/step
>3780, dr[0.673,0.446], df[0.288,0.232], g[2.202,0.268]
1/1 [=====] - 0s 79ms/step
>3781, dr[0.681,1.005], df[0.377,0.316], g[1.892,0.235]
1/1 [=====] - 0s 82ms/step
>3782, dr[0.543,0.815], df[0.447,0.257], g[1.373,0.284]
1/1 [=====] - 0s 90ms/step
>3783, dr[0.203,0.530], df[0.559,0.153], g[1.876,0.213]
1/1 [=====] - 0s 99ms/step
>3784, dr[0.240,0.278], df[0.327,0.230], g[2.140,0.250]
1/1 [=====] - 0s 96ms/step
>3785, dr[0.341,0.427], df[0.499,0.153], g[1.836,0.363]
1/1 [=====] - 0s 87ms/step
>3786, dr[0.406,0.707], df[0.354,0.120], g[2.374,0.140]
1/1 [=====] - 0s 95ms/step
>3787, dr[0.406,0.478], df[0.383,0.224], g[2.070,0.259]
1/1 [=====] - 0s 97ms/step
>3788, dr[0.455,0.399], df[0.408,0.115], g[1.820,0.098]
1/1 [=====] - 0s 115ms/step
>3789, dr[0.351,0.466], df[0.414,0.147], g[2.457,0.215]
1/1 [=====] - 0s 85ms/step
>3790, dr[0.270,0.892], df[0.479,0.222], g[2.252,0.167]
1/1 [=====] - 0s 100ms/step
>3791, dr[0.677,0.820], df[0.417,0.302], g[2.015,0.226]
1/1 [=====] - 0s 96ms/step
>3792, dr[0.542,0.736], df[0.855,0.265], g[2.174,0.290]
1/1 [=====] - 0s 88ms/step
>3793, dr[0.353,0.311], df[0.283,0.141], g[2.192,0.196]
1/1 [=====] - 0s 98ms/step
>3794, dr[0.595,0.705], df[0.358,0.243], g[1.623,0.172]
1/1 [=====] - 0s 97ms/step
>3795, dr[0.546,0.567], df[0.383,0.160], g[1.411,0.207]
1/1 [=====] - 0s 99ms/step
>3796, dr[0.228,0.618], df[0.486,0.164], g[1.635,0.186]
1/1 [=====] - 0s 89ms/step
>3797, dr[0.361,0.334], df[0.323,0.255], g[1.901,0.237]
1/1 [=====] - 0s 86ms/step
>3798, dr[0.469,0.689], df[0.339,0.543], g[1.603,0.232]
1/1 [=====] - 0s 91ms/step
>3799, dr[0.420,0.691], df[0.451,0.081], g[1.655,0.136]
1/1 [=====] - 0s 90ms/step
>3800, dr[0.334,0.323], df[0.518,0.086], g[2.044,0.172]
1/1 [=====] - 0s 92ms/step
>3801, dr[0.665,0.455], df[0.535,0.180], g[2.157,0.202]
1/1 [=====] - 0s 92ms/step
```

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>3802, dr[0.436,0.251], df[0.242,0.134], g[1.829,0.189]
1/1 [=====] - 0s 92ms/step
>3803, dr[0.523,0.512], df[0.713,0.155], g[1.721,0.202]
1/1 [=====] - 0s 80ms/step
>3804, dr[0.573,0.790], df[0.481,0.092], g[1.687,0.154]
1/1 [=====] - 0s 93ms/step
>3805, dr[0.322,0.910], df[0.627,0.182], g[1.860,0.125]
1/1 [=====] - 0s 84ms/step
>3806, dr[0.393,1.085], df[0.627,0.107], g[1.770,0.208]
1/1 [=====] - 0s 92ms/step
>3807, dr[0.504,0.510], df[0.467,0.140], g[2.400,0.098]
1/1 [=====] - 0s 87ms/step
>3808, dr[0.326,0.606], df[0.322,0.218], g[1.985,0.284]
1/1 [=====] - 0s 101ms/step
>3809, dr[0.619,0.515], df[0.730,0.278], g[2.291,0.209]
1/1 [=====] - 0s 83ms/step
>3810, dr[0.343,0.320], df[0.539,0.466], g[2.162,0.322]
1/1 [=====] - 0s 83ms/step
>3811, dr[0.719,0.630], df[0.533,0.277], g[2.102,0.182]
1/1 [=====] - 0s 181ms/step
>3812, dr[0.531,0.898], df[0.430,0.132], g[2.170,0.124]
1/1 [=====] - 0s 82ms/step
>3813, dr[0.477,1.069], df[0.439,0.413], g[2.208,0.141]
1/1 [=====] - 0s 77ms/step
>3814, dr[0.482,0.762], df[0.548,0.068], g[1.927,0.199]
1/1 [=====] - 0s 85ms/step
>3815, dr[0.636,0.399], df[0.291,0.142], g[2.045,0.143]
1/1 [=====] - 0s 83ms/step
>3816, dr[0.397,0.420], df[0.610,0.205], g[1.877,0.148]
1/1 [=====] - 0s 82ms/step
>3817, dr[0.578,0.683], df[0.547,0.340], g[1.868,0.283]
1/1 [=====] - 0s 84ms/step
>3818, dr[0.464,0.397], df[0.362,0.149], g[1.660,0.132]
1/1 [=====] - 0s 85ms/step
>3819, dr[0.459,0.524], df[0.487,0.092], g[1.615,0.155]
1/1 [=====] - 0s 89ms/step
>3820, dr[0.445,0.851], df[0.573,0.190], g[1.854,0.086]
1/1 [=====] - 0s 82ms/step
>3821, dr[0.365,0.387], df[0.385,0.253], g[1.821,0.161]
1/1 [=====] - 0s 83ms/step
>3822, dr[0.513,0.469], df[0.325,0.221], g[1.588,0.101]
1/1 [=====] - 0s 160ms/step
>3823, dr[0.322,0.750], df[0.456,0.367], g[1.756,0.207]
1/1 [=====] - 0s 78ms/step
>3824, dr[0.638,0.437], df[0.975,0.178], g[1.870,0.305]
1/1 [=====] - 0s 83ms/step
>3825, dr[0.369,0.247], df[0.221,0.130], g[2.344,0.186]
1/1 [=====] - 0s 83ms/step
>3826, dr[0.502,0.756], df[0.185,0.056], g[1.965,0.218]
1/1 [=====] - 0s 78ms/step
>3827, dr[0.422,0.511], df[0.545,0.098], g[1.271,0.172]
1/1 [=====] - 0s 108ms/step
>3828, dr[0.443,0.305], df[0.509,0.193], g[1.613,0.183]
1/1 [=====] - 0s 113ms/step
>3829, dr[0.242,0.631], df[0.522,0.381], g[1.959,0.119]
1/1 [=====] - 0s 102ms/step
>3830, dr[0.722,0.577], df[0.757,0.095], g[1.537,0.186]
1/1 [=====] - 0s 89ms/step
>3831, dr[0.555,0.764], df[0.334,0.097], g[1.732,0.200]
1/1 [=====] - 0s 88ms/step
```

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>3832, dr[0.396,0.394], df[0.774,0.196], g[1.575,0.105]
1/1 [=====] - 0s 79ms/step
>3833, dr[0.354,0.212], df[0.466,0.177], g[2.181,0.148]
1/1 [=====] - 0s 81ms/step
>3834, dr[0.203,0.504], df[0.318,0.102], g[2.250,0.152]
1/1 [=====] - 0s 83ms/step
>3835, dr[0.606,0.418], df[0.450,0.303], g[2.149,0.159]
1/1 [=====] - 0s 83ms/step
>3836, dr[0.478,0.954], df[0.198,0.331], g[1.711,0.172]
1/1 [=====] - 0s 83ms/step
>3837, dr[0.460,1.190], df[0.493,0.058], g[1.243,0.173]
1/1 [=====] - 0s 79ms/step
>3838, dr[0.306,0.808], df[0.753,0.244], g[1.913,0.214]
1/1 [=====] - 0s 79ms/step
>3839, dr[0.531,1.006], df[0.550,0.228], g[2.238,0.177]
1/1 [=====] - 0s 89ms/step
>3840, dr[0.466,0.815], df[0.475,0.373], g[2.331,0.165]
1/1 [=====] - 0s 80ms/step
>3841, dr[0.344,0.465], df[0.357,0.131], g[1.911,0.148]
1/1 [=====] - 0s 88ms/step
>3842, dr[0.544,0.278], df[0.656,0.187], g[2.297,0.186]
1/1 [=====] - 0s 96ms/step
>3843, dr[0.742,0.467], df[0.484,0.336], g[2.351,0.107]
1/1 [=====] - 0s 132ms/step
>3844, dr[0.700,0.560], df[0.548,0.204], g[1.846,0.239]
1/1 [=====] - 0s 82ms/step
>3845, dr[0.618,0.648], df[0.441,0.131], g[1.822,0.133]
1/1 [=====] - 0s 83ms/step
>3846, dr[0.503,0.380], df[0.554,0.220], g[2.062,0.084]
1/1 [=====] - 0s 78ms/step
>3847, dr[0.601,0.376], df[0.460,0.160], g[1.892,0.166]
1/1 [=====] - 0s 81ms/step
>3848, dr[0.323,0.325], df[0.394,0.151], g[1.909,0.214]
1/1 [=====] - 0s 85ms/step
>3849, dr[0.506,1.077], df[0.455,0.128], g[1.456,0.080]
1/1 [=====] - 0s 89ms/step
>3850, dr[0.635,0.776], df[0.958,0.206], g[1.665,0.140]
1/1 [=====] - 0s 103ms/step
>3851, dr[0.401,0.392], df[0.383,0.173], g[1.782,0.192]
1/1 [=====] - 0s 99ms/step
>3852, dr[0.554,0.266], df[0.386,0.084], g[1.822,0.133]
1/1 [=====] - 0s 110ms/step
>3853, dr[0.557,1.015], df[0.362,0.278], g[1.773,0.242]
1/1 [=====] - 0s 97ms/step
>3854, dr[0.506,0.354], df[0.567,0.174], g[1.453,0.173]
1/1 [=====] - 0s 95ms/step
>3855, dr[0.552,0.661], df[0.456,0.160], g[1.329,0.197]
1/1 [=====] - 0s 84ms/step
>3856, dr[0.643,0.369], df[0.528,0.287], g[1.461,0.146]
1/1 [=====] - 0s 93ms/step
>3857, dr[0.501,0.535], df[0.505,0.171], g[1.662,0.104]
1/1 [=====] - 0s 85ms/step
>3858, dr[0.332,0.465], df[0.517,0.134], g[1.668,0.171]
1/1 [=====] - 0s 87ms/step
>3859, dr[0.670,0.688], df[0.468,0.290], g[1.873,0.125]
1/1 [=====] - 0s 91ms/step
>3860, dr[0.367,0.411], df[0.674,0.372], g[2.213,0.216]
1/1 [=====] - 0s 90ms/step
>3861, dr[0.600,0.953], df[0.464,0.264], g[1.663,0.105]
1/1 [=====] - 0s 88ms/step
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>3862, dr[0.583,0.524], df[0.308,0.251], g[1.771,0.149]
1/1 [=====] - 0s 89ms/step
>3863, dr[0.437,0.522], df[0.774,0.126], g[1.467,0.206]
1/1 [=====] - 0s 80ms/step
>3864, dr[0.661,0.850], df[0.679,0.298], g[1.761,0.120]
1/1 [=====] - 0s 84ms/step
>3865, dr[0.467,1.010], df[0.320,0.102], g[1.593,0.108]
1/1 [=====] - 0s 89ms/step
>3866, dr[0.186,0.969], df[0.343,0.221], g[1.642,0.137]
1/1 [=====] - 0s 79ms/step
>3867, dr[0.440,0.750], df[0.732,0.151], g[1.441,0.099]
1/1 [=====] - 0s 90ms/step
>3868, dr[0.582,0.711], df[0.310,0.081], g[1.377,0.165]
1/1 [=====] - 0s 83ms/step
>3869, dr[0.284,0.783], df[0.679,0.149], g[1.944,0.103]
1/1 [=====] - 0s 89ms/step
>3870, dr[0.346,0.451], df[0.526,0.154], g[1.800,0.194]
1/1 [=====] - 0s 88ms/step
>3871, dr[0.672,0.848], df[0.471,0.440], g[2.138,0.131]
1/1 [=====] - 0s 82ms/step
>3872, dr[0.499,1.348], df[0.436,0.329], g[1.332,0.153]
1/1 [=====] - 0s 80ms/step
>3873, dr[0.315,0.540], df[0.422,0.236], g[1.625,0.148]
1/1 [=====] - 0s 97ms/step
>3874, dr[0.387,0.350], df[0.456,0.106], g[1.598,0.127]
1/1 [=====] - 0s 90ms/step
>3875, dr[0.501,0.926], df[0.548,0.097], g[2.070,0.204]
1/1 [=====] - 0s 91ms/step
>3876, dr[0.454,0.985], df[0.384,0.216], g[1.693,0.135]
1/1 [=====] - 0s 80ms/step
>3877, dr[0.539,0.453], df[0.448,0.120], g[1.948,0.295]
1/1 [=====] - 0s 87ms/step
>3878, dr[0.383,0.495], df[0.578,0.086], g[1.698,0.125]
1/1 [=====] - 0s 84ms/step
>3879, dr[0.538,0.430], df[0.718,0.180], g[2.477,0.143]
1/1 [=====] - 0s 91ms/step
>3880, dr[0.589,0.970], df[0.271,0.165], g[1.428,0.237]
1/1 [=====] - 0s 94ms/step
>3881, dr[0.993,1.007], df[0.768,0.038], g[1.664,0.236]
1/1 [=====] - 0s 83ms/step
>3882, dr[0.333,0.487], df[0.478,0.095], g[1.954,0.151]
1/1 [=====] - 0s 80ms/step
>3883, dr[0.697,0.412], df[0.544,0.086], g[1.931,0.222]
1/1 [=====] - 0s 93ms/step
>3884, dr[0.321,0.639], df[0.517,0.367], g[1.521,0.061]
1/1 [=====] - 0s 83ms/step
>3885, dr[0.378,0.354], df[0.409,0.058], g[1.881,0.125]
1/1 [=====] - 0s 81ms/step
>3886, dr[0.372,0.388], df[0.447,0.133], g[2.255,0.145]
1/1 [=====] - 0s 86ms/step
>3887, dr[0.694,0.611], df[0.278,0.151], g[1.809,0.154]
1/1 [=====] - 0s 107ms/step
>3888, dr[0.250,0.397], df[0.400,0.145], g[2.199,0.131]
1/1 [=====] - 0s 89ms/step
>3889, dr[0.659,0.921], df[0.435,0.158], g[1.584,0.187]
1/1 [=====] - 0s 77ms/step
>3890, dr[0.511,0.413], df[0.490,0.077], g[1.836,0.121]
1/1 [=====] - 0s 85ms/step
>3891, dr[0.297,0.456], df[0.401,0.067], g[1.881,0.126]
1/1 [=====] - 0s 97ms/step
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>3892, dr[0.372,0.496], df[0.651,0.280], g[1.973,0.158]
1/1 [=====] - 0s 82ms/step
>3893, dr[0.234,0.359], df[0.271,0.182], g[2.001,0.148]
1/1 [=====] - 0s 78ms/step
>3894, dr[0.420,0.609], df[0.410,0.192], g[2.012,0.131]
1/1 [=====] - 0s 86ms/step
>3895, dr[0.637,0.497], df[0.760,0.166], g[2.149,0.196]
1/1 [=====] - 0s 82ms/step
>3896, dr[0.746,0.869], df[0.567,0.229], g[1.968,0.152]
1/1 [=====] - 0s 98ms/step
>3897, dr[0.367,0.571], df[0.429,0.204], g[1.585,0.197]
1/1 [=====] - 0s 81ms/step
>3898, dr[0.355,1.026], df[0.370,0.155], g[1.866,0.185]
1/1 [=====] - 0s 77ms/step
>3899, dr[0.444,0.632], df[0.506,0.259], g[1.860,0.127]
1/1 [=====] - 0s 103ms/step
>3900, dr[0.412,0.376], df[0.420,0.303], g[2.076,0.168]
1/1 [=====] - 0s 90ms/step
>3901, dr[0.572,0.482], df[0.575,0.207], g[1.876,0.124]
1/1 [=====] - 0s 79ms/step
>3902, dr[0.445,0.782], df[0.356,0.207], g[2.140,0.116]
1/1 [=====] - 0s 83ms/step
>3903, dr[0.370,0.421], df[0.389,0.116], g[1.787,0.194]
1/1 [=====] - 0s 83ms/step
>3904, dr[0.761,0.211], df[0.964,0.208], g[2.251,0.082]
1/1 [=====] - 0s 83ms/step
>3905, dr[0.525,0.428], df[0.418,0.176], g[2.017,0.160]
1/1 [=====] - 0s 104ms/step
>3906, dr[0.447,0.478], df[0.459,0.185], g[1.751,0.151]
1/1 [=====] - 0s 85ms/step
>3907, dr[0.571,0.474], df[0.594,0.046], g[1.557,0.090]
1/1 [=====] - 0s 89ms/step
>3908, dr[0.429,0.910], df[0.362,0.268], g[1.854,0.119]
1/1 [=====] - 0s 138ms/step
>3909, dr[0.628,0.690], df[0.403,0.095], g[1.465,0.129]
1/1 [=====] - 0s 126ms/step
>3910, dr[0.387,0.744], df[0.586,0.108], g[1.747,0.117]
1/1 [=====] - 0s 101ms/step
>3911, dr[0.501,0.520], df[0.494,0.125], g[1.482,0.231]
1/1 [=====] - 0s 87ms/step
>3912, dr[0.454,0.725], df[0.710,0.274], g[1.607,0.136]
1/1 [=====] - 0s 103ms/step
>3913, dr[0.304,0.885], df[0.369,0.178], g[2.368,0.103]
1/1 [=====] - 0s 106ms/step
>3914, dr[0.902,0.875], df[0.603,0.229], g[1.645,0.140]
1/1 [=====] - 0s 83ms/step
>3915, dr[0.458,0.642], df[0.395,0.097], g[2.004,0.170]
1/1 [=====] - 0s 87ms/step
>3916, dr[0.282,0.503], df[0.464,0.266], g[1.777,0.229]
1/1 [=====] - 0s 109ms/step
>3917, dr[0.449,0.329], df[0.610,0.179], g[2.104,0.129]
1/1 [=====] - 0s 83ms/step
>3918, dr[0.603,0.346], df[0.377,0.241], g[1.834,0.244]
1/1 [=====] - 0s 94ms/step
>3919, dr[0.948,0.690], df[0.496,0.208], g[1.363,0.113]
1/1 [=====] - 0s 145ms/step
>3920, dr[0.383,0.525], df[0.565,0.178], g[1.866,0.172]
1/1 [=====] - 0s 90ms/step
>3921, dr[0.444,0.499], df[0.619,0.142], g[2.070,0.214]
1/1 [=====] - 0s 80ms/step
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>3922, dr[0.502,0.601], df[0.427,0.076], g[1.921,0.142]
1/1 [=====] - 0s 82ms/step
>3923, dr[0.387,0.622], df[0.365,0.289], g[2.106,0.129]
1/1 [=====] - 0s 107ms/step
>3924, dr[0.556,0.443], df[0.310,0.273], g[1.806,0.119]
1/1 [=====] - 0s 85ms/step
>3925, dr[0.389,0.704], df[0.224,0.113], g[1.262,0.252]
1/1 [=====] - 0s 84ms/step
>3926, dr[0.791,0.501], df[0.714,0.363], g[1.212,0.228]
1/1 [=====] - 0s 94ms/step
>3927, dr[0.254,0.848], df[0.292,0.210], g[1.498,0.180]
1/1 [=====] - 0s 81ms/step
>3928, dr[0.523,0.457], df[0.791,0.356], g[1.718,0.200]
1/1 [=====] - 0s 92ms/step
>3929, dr[0.498,0.848], df[0.451,0.219], g[1.869,0.328]
1/1 [=====] - 0s 84ms/step
>3930, dr[0.577,0.339], df[0.457,0.178], g[1.601,0.196]
1/1 [=====] - 0s 79ms/step
>3931, dr[0.461,0.471], df[0.537,0.128], g[1.500,0.232]
1/1 [=====] - 0s 79ms/step
>3932, dr[0.984,0.807], df[0.580,0.109], g[1.103,0.151]
1/1 [=====] - 0s 82ms/step
>3933, dr[0.329,0.833], df[0.504,0.127], g[1.304,0.184]
1/1 [=====] - 0s 119ms/step
>3934, dr[0.363,0.773], df[0.508,0.084], g[1.897,0.158]
1/1 [=====] - 0s 87ms/step
>3935, dr[0.357,0.415], df[0.387,0.427], g[1.889,0.087]
1/1 [=====] - 0s 94ms/step
>3936, dr[0.441,0.650], df[0.308,0.094], g[2.012,0.115]
1/1 [=====] - 0s 104ms/step
>3937, dr[0.566,0.510], df[0.387,0.254], g[1.502,0.156]
1/1 [=====] - 0s 83ms/step
>3938, dr[0.477,0.709], df[0.801,0.290], g[1.550,0.246]
1/1 [=====] - 0s 79ms/step
>3939, dr[0.562,0.451], df[0.474,0.200], g[1.635,0.187]
1/1 [=====] - 0s 82ms/step
>3940, dr[0.698,0.574], df[0.720,0.198], g[1.427,0.361]
1/1 [=====] - 0s 90ms/step
>3941, dr[0.616,1.163], df[0.571,0.210], g[1.933,0.173]
1/1 [=====] - 0s 93ms/step
>3942, dr[0.329,0.603], df[0.392,0.359], g[1.825,0.143]
1/1 [=====] - 0s 96ms/step
>3943, dr[0.503,0.550], df[0.305,0.138], g[1.703,0.075]
1/1 [=====] - 0s 107ms/step
>3944, dr[0.507,0.766], df[0.606,0.357], g[1.909,0.290]
1/1 [=====] - 0s 101ms/step
>3945, dr[0.581,0.829], df[0.522,0.246], g[1.531,0.192]
1/1 [=====] - 0s 118ms/step
>3946, dr[0.462,0.700], df[0.704,0.234], g[2.056,0.262]
1/1 [=====] - 0s 103ms/step
>3947, dr[0.531,0.437], df[0.417,0.280], g[1.859,0.216]
1/1 [=====] - 0s 86ms/step
>3948, dr[0.591,0.374], df[0.339,0.090], g[1.697,0.163]
1/1 [=====] - 0s 82ms/step
>3949, dr[0.263,0.988], df[0.588,0.365], g[1.804,0.215]
1/1 [=====] - 0s 104ms/step
>3950, dr[0.528,0.507], df[0.343,0.185], g[1.598,0.112]
1/1 [=====] - 0s 99ms/step
>3951, dr[0.416,0.548], df[0.544,0.095], g[1.750,0.140]
1/1 [=====] - 0s 115ms/step
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>3952, dr[1.002,0.753], df[0.484,0.100], g[1.875,0.200]
1/1 [=====] - 0s 79ms/step
>3953, dr[0.440,0.156], df[0.599,0.112], g[1.667,0.209]
1/1 [=====] - 0s 97ms/step
>3954, dr[0.462,0.263], df[0.537,0.103], g[1.364,0.150]
1/1 [=====] - 0s 86ms/step
>3955, dr[0.522,0.446], df[0.479,0.098], g[1.410,0.120]
1/1 [=====] - 0s 90ms/step
>3956, dr[0.361,0.374], df[0.452,0.193], g[1.704,0.135]
1/1 [=====] - 0s 102ms/step
>3957, dr[0.358,0.497], df[0.389,0.101], g[1.415,0.139]
1/1 [=====] - 0s 94ms/step
>3958, dr[0.520,0.483], df[0.736,0.191], g[1.735,0.186]
1/1 [=====] - 0s 96ms/step
>3959, dr[0.432,0.330], df[0.375,0.091], g[2.125,0.134]
1/1 [=====] - 0s 90ms/step
>3960, dr[0.563,0.690], df[0.463,0.155], g[2.069,0.133]
1/1 [=====] - 0s 98ms/step
>3961, dr[0.405,0.284], df[0.126,0.132], g[1.812,0.158]
1/1 [=====] - 0s 126ms/step
>3962, dr[0.305,0.425], df[0.546,0.095], g[1.246,0.202]
1/1 [=====] - 0s 105ms/step
>3963, dr[0.490,0.611], df[1.043,0.283], g[1.891,0.171]
1/1 [=====] - 0s 96ms/step
>3964, dr[0.317,0.951], df[0.417,0.122], g[2.298,0.193]
1/1 [=====] - 0s 99ms/step
>3965, dr[0.703,0.417], df[0.374,0.119], g[2.000,0.156]
1/1 [=====] - 0s 148ms/step
>3966, dr[0.458,0.681], df[0.421,0.129], g[1.762,0.147]
1/1 [=====] - 0s 82ms/step
>3967, dr[0.289,0.460], df[0.457,0.077], g[1.929,0.201]
1/1 [=====] - 0s 111ms/step
>3968, dr[0.718,0.658], df[0.471,0.107], g[1.762,0.146]
1/1 [=====] - 0s 83ms/step
>3969, dr[0.632,0.557], df[0.690,0.290], g[1.772,0.091]
1/1 [=====] - 0s 106ms/step
>3970, dr[0.538,0.776], df[0.572,0.134], g[1.964,0.146]
1/1 [=====] - 0s 87ms/step
>3971, dr[0.696,0.413], df[0.744,0.288], g[2.065,0.293]
1/1 [=====] - 0s 83ms/step
>3972, dr[0.555,0.931], df[0.410,0.074], g[1.792,0.221]
1/1 [=====] - 0s 86ms/step
>3973, dr[0.412,0.919], df[0.607,0.224], g[1.943,0.133]
1/1 [=====] - 0s 98ms/step
>3974, dr[0.572,0.610], df[0.486,0.112], g[2.249,0.089]
1/1 [=====] - 0s 88ms/step
>3975, dr[0.544,0.504], df[0.610,0.118], g[2.223,0.094]
1/1 [=====] - 0s 94ms/step
>3976, dr[0.528,0.597], df[0.586,0.342], g[1.709,0.237]
1/1 [=====] - 0s 79ms/step
>3977, dr[0.298,0.480], df[0.455,0.189], g[1.982,0.261]
1/1 [=====] - 0s 98ms/step
>3978, dr[0.578,0.868], df[0.552,0.168], g[2.089,0.355]
1/1 [=====] - 0s 88ms/step
>3979, dr[0.460,0.643], df[0.584,0.149], g[1.975,0.327]
1/1 [=====] - 0s 83ms/step
>3980, dr[0.514,0.530], df[0.406,0.061], g[2.268,0.227]
1/1 [=====] - 0s 93ms/step
>3981, dr[0.541,0.941], df[0.663,0.219], g[1.715,0.115]
1/1 [=====] - 0s 80ms/step
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>3982, dr[0.401,0.478], df[0.476,0.132], g[2.136,0.096]
1/1 [=====] - 0s 84ms/step
>3983, dr[0.421,0.282], df[0.508,0.121], g[1.866,0.125]
1/1 [=====] - 0s 95ms/step
>3984, dr[0.564,0.505], df[0.240,0.285], g[1.974,0.132]
1/1 [=====] - 0s 96ms/step
>3985, dr[0.415,1.002], df[0.292,0.098], g[1.008,0.113]
1/1 [=====] - 0s 77ms/step
>3986, dr[0.255,0.745], df[0.718,0.189], g[1.652,0.166]
1/1 [=====] - 0s 98ms/step
>3987, dr[0.419,0.484], df[0.281,0.125], g[2.241,0.137]
1/1 [=====] - 0s 161ms/step
>3988, dr[0.732,0.864], df[0.463,0.208], g[1.669,0.096]
1/1 [=====] - 0s 86ms/step
>3989, dr[0.292,0.361], df[0.356,0.081], g[2.394,0.224]
1/1 [=====] - 0s 94ms/step
>3990, dr[0.478,0.381], df[0.523,0.098], g[1.755,0.152]
1/1 [=====] - 0s 116ms/step
>3991, dr[0.445,0.470], df[0.421,0.151], g[1.609,0.185]
1/1 [=====] - 0s 82ms/step
>3992, dr[0.307,0.395], df[0.473,0.294], g[2.092,0.341]
1/1 [=====] - 0s 97ms/step
>3993, dr[0.450,0.439], df[0.340,0.253], g[2.254,0.174]
1/1 [=====] - 0s 118ms/step
>3994, dr[0.808,0.566], df[0.467,0.332], g[1.635,0.120]
1/1 [=====] - 0s 88ms/step
>3995, dr[0.512,0.551], df[0.636,0.184], g[1.391,0.133]
1/1 [=====] - 0s 77ms/step
>3996, dr[0.294,0.419], df[0.535,0.128], g[2.054,0.162]
1/1 [=====] - 0s 92ms/step
>3997, dr[0.410,0.498], df[0.415,0.093], g[2.032,0.096]
1/1 [=====] - 0s 77ms/step
>3998, dr[0.392,0.360], df[0.434,0.077], g[1.698,0.102]
1/1 [=====] - 0s 78ms/step
>3999, dr[0.701,0.374], df[0.437,0.145], g[2.157,0.120]
1/1 [=====] - 0s 100ms/step
>4000, dr[0.452,0.903], df[0.540,0.045], g[1.886,0.071]
1/1 [=====] - 0s 97ms/step
>4001, dr[0.462,0.612], df[0.517,0.142], g[1.516,0.120]
1/1 [=====] - 0s 96ms/step
>4002, dr[0.356,0.337], df[0.599,0.077], g[1.893,0.170]
1/1 [=====] - 0s 80ms/step
>4003, dr[0.375,0.367], df[0.493,0.138], g[1.638,0.335]
1/1 [=====] - 0s 81ms/step
>4004, dr[0.319,0.558], df[0.261,0.375], g[2.095,0.201]
1/1 [=====] - 0s 97ms/step
>4005, dr[0.577,0.445], df[0.318,0.109], g[2.254,0.135]
1/1 [=====] - 0s 89ms/step
>4006, dr[0.501,1.131], df[0.505,0.187], g[1.473,0.267]
1/1 [=====] - 0s 86ms/step
>4007, dr[0.525,0.575], df[0.410,0.082], g[1.838,0.194]
1/1 [=====] - 0s 90ms/step
>4008, dr[0.262,0.567], df[0.481,0.199], g[1.528,0.120]
1/1 [=====] - 0s 87ms/step
>4009, dr[0.425,0.326], df[0.403,0.219], g[1.734,0.079]
1/1 [=====] - 0s 86ms/step
>4010, dr[0.422,0.606], df[0.525,0.110], g[1.695,0.125]
1/1 [=====] - 0s 97ms/step
>4011, dr[0.688,0.302], df[0.560,0.119], g[1.717,0.230]
1/1 [=====] - 0s 84ms/step
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>4012, dr[0.433,0.395], df[0.449,0.485], g[1.642,0.190]
1/1 [=====] - 0s 93ms/step
>4013, dr[0.386,0.731], df[0.652,0.216], g[2.226,0.122]
1/1 [=====] - 0s 91ms/step
>4014, dr[0.421,0.335], df[0.241,0.084], g[1.730,0.240]
1/1 [=====] - 0s 79ms/step
>4015, dr[0.497,0.360], df[0.526,0.224], g[1.631,0.232]
1/1 [=====] - 0s 87ms/step
>4016, dr[0.619,0.351], df[0.446,0.147], g[1.641,0.068]
1/1 [=====] - 0s 83ms/step
>4017, dr[0.324,0.479], df[0.517,0.081], g[1.544,0.223]
1/1 [=====] - 0s 91ms/step
>4018, dr[0.409,0.441], df[0.294,0.133], g[1.630,0.163]
1/1 [=====] - 0s 90ms/step
>4019, dr[0.380,0.650], df[0.428,0.158], g[1.750,0.079]
1/1 [=====] - 0s 83ms/step
>4020, dr[0.414,0.795], df[0.565,0.128], g[1.837,0.164]
1/1 [=====] - 0s 92ms/step
>4021, dr[0.259,0.680], df[0.551,0.168], g[1.829,0.154]
1/1 [=====] - 0s 91ms/step
>4022, dr[0.590,0.475], df[0.267,0.166], g[2.005,0.072]
1/1 [=====] - 0s 114ms/step
>4023, dr[0.632,0.661], df[0.368,0.089], g[1.698,0.144]
1/1 [=====] - 0s 98ms/step
>4024, dr[0.301,0.413], df[0.536,0.234], g[1.866,0.087]
1/1 [=====] - 0s 83ms/step
>4025, dr[0.453,0.437], df[0.383,0.057], g[1.500,0.126]
1/1 [=====] - 0s 96ms/step
>4026, dr[0.438,0.600], df[0.711,0.291], g[1.997,0.128]
1/1 [=====] - 0s 86ms/step
>4027, dr[0.358,0.539], df[0.596,0.173], g[2.025,0.082]
1/1 [=====] - 0s 92ms/step
>4028, dr[0.435,0.562], df[0.424,0.117], g[1.937,0.196]
1/1 [=====] - 0s 87ms/step
>4029, dr[0.588,0.812], df[0.491,0.161], g[2.009,0.311]
1/1 [=====] - 0s 141ms/step
>4030, dr[0.452,1.164], df[0.220,0.059], g[1.667,0.201]
1/1 [=====] - 0s 94ms/step
>4031, dr[0.403,0.790], df[0.316,0.136], g[1.316,0.110]
1/1 [=====] - 0s 101ms/step
>4032, dr[0.572,0.695], df[0.856,0.258], g[1.540,0.238]
1/1 [=====] - 0s 87ms/step
>4033, dr[0.425,0.353], df[0.759,0.100], g[1.855,0.236]
1/1 [=====] - 0s 99ms/step
>4034, dr[0.441,0.511], df[0.376,0.130], g[2.043,0.046]
1/1 [=====] - 0s 81ms/step
>4035, dr[0.522,0.487], df[0.447,0.056], g[1.589,0.174]
1/1 [=====] - 0s 85ms/step
>4036, dr[0.464,0.733], df[0.326,0.103], g[1.666,0.055]
1/1 [=====] - 0s 127ms/step
>4037, dr[0.394,0.735], df[0.428,0.159], g[1.453,0.108]
1/1 [=====] - 0s 122ms/step
>4038, dr[0.649,0.711], df[0.547,0.113], g[1.445,0.323]
1/1 [=====] - 0s 105ms/step
>4039, dr[0.209,0.915], df[0.573,0.120], g[1.690,0.219]
1/1 [=====] - 0s 107ms/step
>4040, dr[0.372,0.495], df[0.596,0.169], g[1.595,0.142]
1/1 [=====] - 0s 120ms/step
>4041, dr[0.423,0.730], df[0.267,0.163], g[1.717,0.113]
1/1 [=====] - 0s 86ms/step
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>4042, dr[0.487,1.043], df[0.527,0.168], g[1.364,0.306]
1/1 [=====] - 0s 101ms/step
>4043, dr[0.387,0.475], df[0.706,0.233], g[2.119,0.225]
1/1 [=====] - 0s 80ms/step
>4044, dr[0.473,0.559], df[0.314,0.076], g[1.765,0.138]
1/1 [=====] - 0s 86ms/step
>4045, dr[0.571,1.067], df[0.460,0.147], g[1.686,0.206]
1/1 [=====] - 0s 99ms/step
>4046, dr[0.644,0.893], df[0.415,0.081], g[1.485,0.125]
1/1 [=====] - 0s 78ms/step
>4047, dr[0.466,0.649], df[0.539,0.072], g[1.589,0.134]
1/1 [=====] - 0s 95ms/step
>4048, dr[0.375,0.876], df[0.386,0.264], g[1.902,0.213]
1/1 [=====] - 0s 85ms/step
>4049, dr[0.351,0.468], df[0.670,0.162], g[1.600,0.075]
1/1 [=====] - 0s 86ms/step
>4050, dr[0.433,0.252], df[0.428,0.075], g[1.804,0.101]
1/1 [=====] - 0s 85ms/step
>4051, dr[0.386,0.454], df[0.481,0.155], g[1.897,0.097]
1/1 [=====] - 0s 100ms/step
>4052, dr[0.764,0.527], df[0.358,0.096], g[1.726,0.200]
1/1 [=====] - 0s 80ms/step
>4053, dr[0.829,0.394], df[0.837,0.155], g[1.932,0.160]
1/1 [=====] - 0s 91ms/step
>4054, dr[0.250,0.645], df[0.780,0.327], g[1.881,0.093]
1/1 [=====] - 0s 90ms/step
>4055, dr[0.535,0.516], df[0.662,0.182], g[2.317,0.071]
1/1 [=====] - 0s 85ms/step
>4056, dr[0.480,0.842], df[0.334,0.281], g[1.769,0.253]
1/1 [=====] - 0s 94ms/step
>4057, dr[0.433,0.413], df[0.261,0.108], g[2.043,0.215]
1/1 [=====] - 0s 83ms/step
>4058, dr[0.571,0.871], df[0.435,0.102], g[1.382,0.231]
1/1 [=====] - 0s 87ms/step
>4059, dr[0.372,0.210], df[0.352,0.205], g[1.673,0.078]
1/1 [=====] - 0s 88ms/step
>4060, dr[0.469,0.502], df[0.315,0.093], g[1.851,0.075]
1/1 [=====] - 0s 85ms/step
>4061, dr[0.386,0.541], df[0.580,0.123], g[1.344,0.230]
1/1 [=====] - 0s 88ms/step
>4062, dr[0.394,0.802], df[0.636,0.158], g[1.759,0.138]
1/1 [=====] - 0s 88ms/step
>4063, dr[0.266,0.492], df[0.369,0.199], g[1.604,0.156]
1/1 [=====] - 0s 83ms/step
>4064, dr[0.654,0.558], df[0.369,0.149], g[1.776,0.058]
1/1 [=====] - 0s 91ms/step
>4065, dr[0.606,0.655], df[0.886,0.204], g[1.468,0.135]
1/1 [=====] - 0s 91ms/step
>4066, dr[0.237,0.507], df[0.773,0.148], g[1.791,0.160]
1/1 [=====] - 0s 84ms/step
>4067, dr[0.563,0.608], df[0.261,0.127], g[2.579,0.163]
1/1 [=====] - 0s 81ms/step
>4068, dr[0.750,0.872], df[0.453,0.065], g[1.841,0.203]
1/1 [=====] - 0s 78ms/step
>4069, dr[0.377,0.329], df[0.622,0.171], g[1.446,0.132]
1/1 [=====] - 0s 89ms/step
>4070, dr[0.365,0.523], df[0.506,0.203], g[1.883,0.171]
1/1 [=====] - 0s 78ms/step
>4071, dr[0.629,0.486], df[0.447,0.100], g[2.021,0.112]
1/1 [=====] - 0s 83ms/step
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>4072, dr[0.390,0.736], df[0.403,0.084], g[1.384,0.254]
1/1 [=====] - 0s 85ms/step
>4073, dr[0.397,0.462], df[0.393,0.140], g[1.632,0.066]
1/1 [=====] - 0s 80ms/step
>4074, dr[0.572,0.665], df[0.830,0.276], g[1.836,0.174]
1/1 [=====] - 0s 90ms/step
>4075, dr[0.383,0.521], df[0.526,0.162], g[2.083,0.108]
1/1 [=====] - 0s 85ms/step
>4076, dr[0.641,0.646], df[0.379,0.118], g[1.940,0.096]
1/1 [=====] - 0s 79ms/step
>4077, dr[0.619,0.697], df[0.434,0.171], g[1.787,0.209]
1/1 [=====] - 0s 104ms/step
>4078, dr[0.659,0.622], df[1.024,0.196], g[1.558,0.284]
1/1 [=====] - 0s 79ms/step
>4079, dr[0.458,0.708], df[0.447,0.251], g[2.256,0.135]
1/1 [=====] - 0s 88ms/step
>4080, dr[0.737,0.489], df[0.511,0.232], g[1.795,0.106]
1/1 [=====] - 0s 94ms/step
>4081, dr[0.358,0.507], df[0.594,0.128], g[1.712,0.089]
1/1 [=====] - 0s 84ms/step
>4082, dr[0.455,0.304], df[0.561,0.171], g[1.955,0.229]
1/1 [=====] - 0s 123ms/step
>4083, dr[0.532,0.283], df[0.526,0.168], g[2.221,0.193]
1/1 [=====] - 0s 83ms/step
>4084, dr[0.763,0.771], df[0.552,0.170], g[1.600,0.176]
1/1 [=====] - 0s 78ms/step
>4085, dr[0.448,0.547], df[0.238,0.062], g[1.643,0.061]
1/1 [=====] - 0s 109ms/step
>4086, dr[0.725,0.754], df[0.510,0.088], g[1.501,0.106]
1/1 [=====] - 0s 82ms/step
>4087, dr[0.206,0.709], df[0.633,0.113], g[1.685,0.113]
1/1 [=====] - 0s 112ms/step
>4088, dr[0.405,0.517], df[0.460,0.085], g[1.887,0.249]
1/1 [=====] - 0s 77ms/step
>4089, dr[0.454,0.425], df[0.397,0.120], g[1.803,0.112]
1/1 [=====] - 0s 109ms/step
>4090, dr[0.580,0.082], df[0.426,0.238], g[1.592,0.135]
1/1 [=====] - 0s 94ms/step
>4091, dr[0.614,0.764], df[0.317,0.238], g[1.202,0.120]
1/1 [=====] - 0s 78ms/step
>4092, dr[0.273,0.608], df[0.620,0.113], g[1.324,0.093]
1/1 [=====] - 0s 95ms/step
>4093, dr[0.263,0.623], df[0.473,0.075], g[1.504,0.099]
1/1 [=====] - 0s 113ms/step
>4094, dr[0.418,0.973], df[0.536,0.221], g[2.066,0.160]
1/1 [=====] - 0s 105ms/step
>4095, dr[0.530,0.702], df[0.249,0.098], g[1.589,0.173]
1/1 [=====] - 0s 100ms/step
>4096, dr[0.667,0.853], df[0.498,0.187], g[1.546,0.121]
1/1 [=====] - 0s 113ms/step
>4097, dr[0.512,0.729], df[0.804,0.150], g[1.869,0.248]
1/1 [=====] - 0s 119ms/step
>4098, dr[0.339,0.864], df[0.318,0.150], g[1.747,0.153]
1/1 [=====] - 0s 117ms/step
>4099, dr[0.516,0.683], df[0.297,0.148], g[1.680,0.165]
1/1 [=====] - 0s 103ms/step
>4100, dr[0.268,0.413], df[0.525,0.094], g[1.855,0.186]
1/1 [=====] - 0s 98ms/step
>4101, dr[0.479,0.461], df[0.351,0.226], g[1.388,0.108]
1/1 [=====] - 0s 100ms/step
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>4102, dr[0.444,0.554], df[0.499,0.097], g[1.627,0.136]
1/1 [=====] - 0s 86ms/step
>4103, dr[0.364,0.432], df[0.269,0.192], g[1.667,0.099]
1/1 [=====] - 0s 83ms/step
>4104, dr[0.476,0.925], df[0.585,0.052], g[1.751,0.124]
1/1 [=====] - 0s 119ms/step
>4105, dr[0.363,0.484], df[0.480,0.505], g[1.991,0.167]
1/1 [=====] - 0s 101ms/step
>4106, dr[0.700,0.847], df[0.377,0.118], g[1.647,0.173]
1/1 [=====] - 0s 87ms/step
>4107, dr[0.263,0.633], df[0.459,0.218], g[1.724,0.115]
1/1 [=====] - 0s 106ms/step
>4108, dr[0.561,0.633], df[0.879,0.155], g[2.017,0.127]
1/1 [=====] - 0s 105ms/step
>4109, dr[0.382,0.707], df[0.588,0.478], g[2.144,0.073]
1/1 [=====] - 0s 96ms/step
>4110, dr[0.576,0.577], df[0.427,0.153], g[1.995,0.113]
1/1 [=====] - 0s 99ms/step
>4111, dr[0.387,0.506], df[0.379,0.224], g[2.043,0.048]
1/1 [=====] - 0s 114ms/step
>4112, dr[0.611,0.421], df[0.527,0.091], g[1.608,0.118]
1/1 [=====] - 0s 112ms/step
>4113, dr[0.464,0.619], df[0.543,0.181], g[1.725,0.076]
1/1 [=====] - 0s 113ms/step
>4114, dr[0.479,0.395], df[0.544,0.131], g[1.855,0.178]
1/1 [=====] - 0s 111ms/step
>4115, dr[0.721,0.855], df[0.384,0.125], g[1.452,0.225]
1/1 [=====] - 0s 106ms/step
>4116, dr[0.327,0.469], df[0.348,0.134], g[1.674,0.110]
1/1 [=====] - 0s 116ms/step
>4117, dr[0.433,0.304], df[0.567,0.093], g[1.400,0.164]
1/1 [=====] - 0s 77ms/step
>4118, dr[0.435,0.420], df[0.432,0.220], g[1.612,0.084]
1/1 [=====] - 0s 76ms/step
>4119, dr[0.267,0.286], df[0.608,0.139], g[1.566,0.152]
1/1 [=====] - 0s 86ms/step
>4120, dr[0.556,0.468], df[0.321,0.095], g[1.957,0.334]
1/1 [=====] - 0s 79ms/step
>4121, dr[0.638,0.712], df[0.830,0.218], g[1.579,0.280]
1/1 [=====] - 0s 85ms/step
>4122, dr[0.448,0.760], df[0.611,0.222], g[1.746,0.169]
1/1 [=====] - 0s 97ms/step
>4123, dr[0.641,0.530], df[0.368,0.137], g[1.875,0.167]
1/1 [=====] - 0s 100ms/step
>4124, dr[0.348,0.625], df[0.514,0.065], g[1.759,0.234]
1/1 [=====] - 0s 97ms/step
>4125, dr[0.652,0.683], df[0.633,0.081], g[1.462,0.173]
1/1 [=====] - 0s 85ms/step
>4126, dr[0.555,0.450], df[0.515,0.094], g[1.356,0.048]
1/1 [=====] - 0s 87ms/step
>4127, dr[0.591,0.970], df[0.544,0.090], g[1.634,0.216]
1/1 [=====] - 0s 115ms/step
>4128, dr[0.394,0.870], df[0.246,0.074], g[1.434,0.192]
1/1 [=====] - 0s 99ms/step
>4129, dr[0.497,0.320], df[0.442,0.064], g[1.484,0.146]
1/1 [=====] - 0s 99ms/step
>4130, dr[0.219,0.676], df[0.475,0.058], g[1.810,0.105]
1/1 [=====] - 0s 130ms/step
>4131, dr[0.258,0.547], df[0.310,0.166], g[2.413,0.127]
1/1 [=====] - 0s 96ms/step
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>4132, dr[1.046,0.441], df[0.471,0.119], g[1.348,0.143]
1/1 [=====] - 0s 85ms/step
>4133, dr[0.494,0.790], df[0.377,0.311], g[1.471,0.126]
1/1 [=====] - 0s 86ms/step
>4134, dr[0.328,0.605], df[0.531,0.113], g[1.364,0.225]
1/1 [=====] - 0s 84ms/step
>4135, dr[0.280,0.762], df[0.602,0.041], g[2.139,0.118]
1/1 [=====] - 0s 81ms/step
>4136, dr[0.435,0.922], df[0.221,0.129], g[1.843,0.184]
1/1 [=====] - 0s 89ms/step
>4137, dr[0.615,0.678], df[0.456,0.146], g[1.468,0.109]
1/1 [=====] - 0s 77ms/step
>4138, dr[0.358,0.435], df[0.657,0.054], g[1.228,0.124]
1/1 [=====] - 0s 82ms/step
>4139, dr[0.475,0.809], df[0.708,0.261], g[1.341,0.210]
1/1 [=====] - 0s 79ms/step
>4140, dr[0.366,0.593], df[0.512,0.057], g[1.777,0.173]
1/1 [=====] - 0s 79ms/step
>4141, dr[0.739,0.841], df[0.603,0.142], g[1.580,0.169]
1/1 [=====] - 0s 96ms/step
>4142, dr[0.483,0.576], df[0.410,0.257], g[1.586,0.114]
1/1 [=====] - 0s 79ms/step
>4143, dr[0.386,0.650], df[0.467,0.245], g[1.700,0.202]
1/1 [=====] - 0s 82ms/step
>4144, dr[0.594,0.627], df[0.900,0.158], g[1.891,0.200]
1/1 [=====] - 0s 109ms/step
>4145, dr[0.296,0.807], df[0.454,0.148], g[1.933,0.142]
1/1 [=====] - 0s 80ms/step
>4146, dr[0.536,0.365], df[0.391,0.081], g[2.119,0.141]
1/1 [=====] - 0s 77ms/step
>4147, dr[0.439,0.407], df[0.485,0.122], g[1.933,0.131]
1/1 [=====] - 0s 91ms/step
>4148, dr[0.732,1.026], df[0.436,0.099], g[1.755,0.119]
1/1 [=====] - 0s 92ms/step
>4149, dr[0.525,0.611], df[0.664,0.297], g[1.512,0.163]
1/1 [=====] - 0s 101ms/step
>4150, dr[0.427,0.640], df[0.504,0.176], g[1.365,0.189]
1/1 [=====] - 0s 109ms/step
>4151, dr[0.429,0.402], df[0.740,0.086], g[1.525,0.138]
1/1 [=====] - 0s 87ms/step
>4152, dr[0.361,0.465], df[0.347,0.205], g[1.814,0.238]
1/1 [=====] - 0s 78ms/step
>4153, dr[0.348,0.502], df[0.306,0.197], g[2.061,0.094]
1/1 [=====] - 0s 92ms/step
>4154, dr[0.390,0.311], df[0.514,0.049], g[2.053,0.113]
1/1 [=====] - 0s 84ms/step
>4155, dr[0.736,0.721], df[0.722,0.113], g[2.072,0.161]
1/1 [=====] - 0s 81ms/step
>4156, dr[0.680,0.868], df[0.495,0.080], g[1.512,0.192]
1/1 [=====] - 0s 78ms/step
>4157, dr[0.426,0.914], df[0.366,0.403], g[1.494,0.122]
1/1 [=====] - 0s 85ms/step
>4158, dr[0.442,0.285], df[0.362,0.139], g[1.450,0.184]
1/1 [=====] - 0s 89ms/step
>4159, dr[0.452,0.608], df[0.514,0.040], g[1.392,0.221]
1/1 [=====] - 0s 82ms/step
>4160, dr[0.417,0.645], df[0.588,0.183], g[1.510,0.144]
1/1 [=====] - 0s 80ms/step
>4161, dr[0.326,0.421], df[0.439,0.057], g[1.706,0.137]
1/1 [=====] - 0s 76ms/step
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>4162, dr[0.730,0.580], df[0.489,0.133], g[2.003,0.115]
1/1 [=====] - 0s 87ms/step
>4163, dr[0.338,0.342], df[0.455,0.119], g[1.722,0.328]
1/1 [=====] - 0s 84ms/step
>4164, dr[0.608,0.931], df[0.380,0.160], g[1.540,0.277]
1/1 [=====] - 0s 78ms/step
>4165, dr[0.515,1.482], df[0.456,0.261], g[1.563,0.086]
1/1 [=====] - 0s 81ms/step
>4166, dr[0.503,0.753], df[0.654,0.206], g[1.242,0.176]
1/1 [=====] - 0s 78ms/step
>4167, dr[0.307,0.180], df[0.471,0.104], g[1.523,0.119]
1/1 [=====] - 0s 82ms/step
>4168, dr[0.410,0.693], df[0.269,0.131], g[1.166,0.194]
1/1 [=====] - 0s 87ms/step
>4169, dr[0.330,0.602], df[0.335,0.169], g[1.710,0.076]
1/1 [=====] - 0s 84ms/step
>4170, dr[0.509,0.435], df[0.367,0.064], g[1.409,0.198]
1/1 [=====] - 0s 90ms/step
>4171, dr[0.549,0.505], df[0.595,0.116], g[1.307,0.186]
1/1 [=====] - 0s 117ms/step
>4172, dr[0.725,0.485], df[0.554,0.174], g[1.203,0.160]
1/1 [=====] - 0s 93ms/step
>4173, dr[0.437,0.611], df[0.646,0.077], g[1.481,0.250]
1/1 [=====] - 0s 81ms/step
>4174, dr[0.505,0.457], df[0.476,0.117], g[1.567,0.193]
1/1 [=====] - 0s 78ms/step
>4175, dr[0.691,0.280], df[0.727,0.133], g[1.517,0.188]
1/1 [=====] - 0s 79ms/step
>4176, dr[0.416,0.480], df[0.497,0.042], g[1.522,0.106]
1/1 [=====] - 0s 114ms/step
>4177, dr[0.569,0.573], df[0.507,0.095], g[1.496,0.152]
1/1 [=====] - 0s 102ms/step
>4178, dr[0.387,0.532], df[0.714,0.106], g[2.233,0.217]
1/1 [=====] - 0s 104ms/step
>4179, dr[0.442,0.922], df[0.467,0.264], g[1.846,0.131]
1/1 [=====] - 0s 83ms/step
>4180, dr[0.660,0.512], df[0.210,0.095], g[1.596,0.247]
1/1 [=====] - 0s 111ms/step
>4181, dr[0.487,0.656], df[0.558,0.092], g[1.599,0.156]
1/1 [=====] - 0s 102ms/step
>4182, dr[0.344,0.202], df[0.747,0.173], g[1.529,0.142]
1/1 [=====] - 0s 103ms/step
>4183, dr[0.460,0.301], df[0.336,0.133], g[1.949,0.188]
1/1 [=====] - 0s 124ms/step
>4184, dr[0.701,0.631], df[0.905,0.232], g[1.910,0.082]
1/1 [=====] - 0s 108ms/step
>4185, dr[0.416,0.345], df[0.524,0.039], g[2.188,0.138]
1/1 [=====] - 0s 100ms/step
>4186, dr[0.783,0.622], df[0.506,0.117], g[1.296,0.099]
1/1 [=====] - 0s 104ms/step
>4187, dr[0.299,0.887], df[0.308,0.117], g[1.904,0.157]
1/1 [=====] - 0s 105ms/step
>4188, dr[0.438,0.429], df[0.543,0.101], g[1.708,0.131]
1/1 [=====] - 0s 91ms/step
>4189, dr[0.421,0.795], df[0.347,0.066], g[1.527,0.192]
1/1 [=====] - 0s 114ms/step
>4190, dr[0.416,0.430], df[0.521,0.197], g[1.508,0.163]
1/1 [=====] - 0s 86ms/step
>4191, dr[0.729,0.835], df[0.706,0.175], g[1.804,0.243]
1/1 [=====] - 0s 84ms/step
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>4192, dr[0.326,0.706], df[0.505,0.083], g[1.908,0.142]
1/1 [=====] - 0s 84ms/step
>4193, dr[0.651,0.576], df[0.603,0.206], g[1.473,0.118]
1/1 [=====] - 0s 78ms/step
>4194, dr[0.673,0.593], df[0.773,0.066], g[1.737,0.237]
1/1 [=====] - 0s 81ms/step
>4195, dr[0.588,0.328], df[0.474,0.164], g[1.543,0.275]
1/1 [=====] - 0s 82ms/step
>4196, dr[0.680,0.312], df[0.675,0.181], g[1.556,0.124]
1/1 [=====] - 0s 109ms/step
>4197, dr[0.552,0.400], df[0.468,0.117], g[1.710,0.264]
1/1 [=====] - 0s 99ms/step
>4198, dr[0.654,0.639], df[0.386,0.071], g[1.353,0.090]
1/1 [=====] - 0s 84ms/step
>4199, dr[0.319,0.621], df[0.688,0.118], g[1.559,0.197]
1/1 [=====] - 0s 100ms/step
>4200, dr[0.428,0.548], df[0.439,0.032], g[1.759,0.186]
1/1 [=====] - 0s 86ms/step
>4201, dr[0.515,0.656], df[0.444,0.175], g[1.744,0.097]
1/1 [=====] - 0s 98ms/step
>4202, dr[0.503,0.545], df[0.403,0.089], g[1.569,0.112]
1/1 [=====] - 0s 82ms/step
>4203, dr[0.456,0.325], df[0.419,0.038], g[1.572,0.168]
1/1 [=====] - 0s 86ms/step
>4204, dr[0.389,0.846], df[0.303,0.265], g[1.798,0.272]
1/1 [=====] - 0s 79ms/step
>4205, dr[0.391,0.685], df[0.620,0.100], g[1.634,0.118]
1/1 [=====] - 0s 82ms/step
>4206, dr[0.319,0.652], df[0.630,0.087], g[1.904,0.102]
1/1 [=====] - 0s 104ms/step
>4207, dr[0.497,0.671], df[0.434,0.149], g[1.518,0.160]
1/1 [=====] - 0s 80ms/step
>4208, dr[0.585,0.636], df[0.616,0.145], g[1.435,0.132]
1/1 [=====] - 0s 90ms/step
>4209, dr[0.709,0.448], df[0.303,0.104], g[1.311,0.316]
1/1 [=====] - 0s 109ms/step
>4210, dr[0.396,0.483], df[0.728,0.111], g[1.527,0.211]
1/1 [=====] - 0s 101ms/step
>4211, dr[0.644,0.554], df[0.494,0.133], g[1.422,0.166]
1/1 [=====] - 0s 81ms/step
>4212, dr[0.521,0.507], df[0.441,0.194], g[1.512,0.276]
1/1 [=====] - 0s 80ms/step
>4213, dr[0.590,0.364], df[0.375,0.114], g[1.295,0.081]
1/1 [=====] - 0s 102ms/step
>4214, dr[0.430,0.597], df[0.689,0.084], g[1.487,0.212]
1/1 [=====] - 0s 112ms/step
>4215, dr[0.312,0.730], df[0.559,0.101], g[1.810,0.130]
1/1 [=====] - 0s 119ms/step
>4216, dr[0.545,0.465], df[0.487,0.275], g[1.814,0.167]
1/1 [=====] - 0s 99ms/step
>4217, dr[0.509,0.715], df[0.430,0.116], g[1.606,0.114]
1/1 [=====] - 0s 87ms/step
>4218, dr[0.345,0.680], df[0.512,0.133], g[2.021,0.134]
1/1 [=====] - 0s 124ms/step
>4219, dr[0.524,0.540], df[0.447,0.052], g[1.663,0.110]
1/1 [=====] - 0s 90ms/step
>4220, dr[0.360,0.755], df[0.342,0.129], g[1.529,0.138]
1/1 [=====] - 0s 84ms/step
>4221, dr[0.523,0.546], df[0.680,0.167], g[1.993,0.160]
1/1 [=====] - 0s 90ms/step
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>4222, dr[0.736,0.706], df[0.668,0.197], g[1.952,0.119]
1/1 [=====] - 0s 89ms/step
>4223, dr[0.394,0.606], df[0.284,0.140], g[1.857,0.209]
1/1 [=====] - 0s 94ms/step
>4224, dr[0.641,0.459], df[0.660,0.218], g[1.675,0.153]
1/1 [=====] - 0s 99ms/step
>4225, dr[0.506,0.410], df[0.580,0.192], g[1.460,0.197]
1/1 [=====] - 0s 97ms/step
>4226, dr[0.338,0.452], df[0.297,0.150], g[1.548,0.083]
1/1 [=====] - 0s 82ms/step
>4227, dr[0.559,0.764], df[0.525,0.115], g[1.549,0.239]
1/1 [=====] - 0s 91ms/step
>4228, dr[0.469,0.488], df[0.678,0.144], g[1.610,0.085]
1/1 [=====] - 0s 104ms/step
>4229, dr[0.364,0.574], df[0.467,0.103], g[1.848,0.237]
1/1 [=====] - 0s 84ms/step
>4230, dr[0.380,0.786], df[0.448,0.153], g[1.846,0.117]
1/1 [=====] - 0s 89ms/step
>4231, dr[0.364,0.580], df[0.679,0.202], g[1.664,0.187]
1/1 [=====] - 0s 103ms/step
>4232, dr[0.606,0.553], df[0.377,0.124], g[1.786,0.137]
1/1 [=====] - 0s 82ms/step
>4233, dr[0.584,0.575], df[0.652,0.448], g[1.657,0.224]
1/1 [=====] - 0s 136ms/step
>4234, dr[0.550,0.532], df[0.329,0.043], g[1.809,0.216]
1/1 [=====] - 0s 85ms/step
>4235, dr[0.440,0.251], df[0.431,0.111], g[1.759,0.185]
1/1 [=====] - 0s 82ms/step
>4236, dr[0.551,0.488], df[0.725,0.121], g[1.917,0.146]
1/1 [=====] - 0s 119ms/step
>4237, dr[0.474,0.585], df[0.618,0.105], g[2.055,0.243]
1/1 [=====] - 0s 91ms/step
>4238, dr[0.710,0.509], df[0.519,0.200], g[1.853,0.060]
1/1 [=====] - 0s 100ms/step
>4239, dr[0.411,0.363], df[0.832,0.098], g[1.954,0.164]
1/1 [=====] - 0s 81ms/step
>4240, dr[0.640,0.860], df[0.323,0.136], g[1.684,0.128]
1/1 [=====] - 0s 94ms/step
>4241, dr[0.664,0.537], df[0.479,0.158], g[1.784,0.141]
1/1 [=====] - 0s 89ms/step
>4242, dr[0.495,0.646], df[0.538,0.134], g[1.431,0.179]
1/1 [=====] - 0s 81ms/step
>4243, dr[0.550,0.856], df[0.859,0.107], g[1.450,0.186]
1/1 [=====] - 0s 93ms/step
>4244, dr[0.352,0.646], df[0.649,0.434], g[2.030,0.212]
1/1 [=====] - 0s 106ms/step
>4245, dr[0.670,0.632], df[0.422,0.265], g[1.716,0.174]
1/1 [=====] - 0s 82ms/step
>4246, dr[0.735,0.259], df[0.401,0.080], g[1.955,0.178]
1/1 [=====] - 0s 81ms/step
>4247, dr[0.791,0.491], df[0.648,0.093], g[1.415,0.081]
1/1 [=====] - 0s 85ms/step
>4248, dr[0.301,0.892], df[0.510,0.204], g[1.474,0.084]
1/1 [=====] - 0s 83ms/step
>4249, dr[0.478,0.538], df[0.339,0.038], g[1.490,0.152]
1/1 [=====] - 0s 82ms/step
>4250, dr[0.640,0.345], df[0.512,0.139], g[1.437,0.208]
1/1 [=====] - 0s 82ms/step
>4251, dr[0.249,0.487], df[0.549,0.180], g[1.319,0.134]
1/1 [=====] - 0s 78ms/step
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>4252, dr[0.526,0.653], df[0.689,0.134], g[1.467,0.209]
1/1 [=====] - 0s 85ms/step
>4253, dr[0.249,0.287], df[0.488,0.076], g[2.234,0.097]
1/1 [=====] - 0s 87ms/step
>4254, dr[0.707,0.427], df[0.516,0.173], g[1.876,0.148]
1/1 [=====] - 0s 83ms/step
>4255, dr[0.671,1.264], df[0.424,0.063], g[1.770,0.116]
1/1 [=====] - 0s 92ms/step
>4256, dr[0.476,0.315], df[0.512,0.232], g[1.981,0.057]
1/1 [=====] - 0s 83ms/step
>4257, dr[0.352,0.706], df[0.500,0.081], g[1.822,0.119]
1/1 [=====] - 0s 82ms/step
>4258, dr[0.533,0.963], df[0.513,0.209], g[1.737,0.155]
1/1 [=====] - 0s 79ms/step
>4259, dr[0.446,0.567], df[0.404,0.120], g[1.927,0.118]
1/1 [=====] - 0s 85ms/step
>4260, dr[0.580,0.755], df[0.654,0.252], g[1.457,0.112]
1/1 [=====] - 0s 86ms/step
>4261, dr[0.522,0.536], df[0.790,0.096], g[1.958,0.069]
1/1 [=====] - 0s 81ms/step
>4262, dr[0.657,0.477], df[0.433,0.322], g[1.594,0.119]
1/1 [=====] - 0s 85ms/step
>4263, dr[0.540,0.387], df[0.394,0.305], g[1.560,0.257]
1/1 [=====] - 0s 81ms/step
>4264, dr[0.384,0.557], df[0.443,0.172], g[1.685,0.127]
1/1 [=====] - 0s 79ms/step
>4265, dr[0.553,0.281], df[0.412,0.204], g[1.502,0.105]
1/1 [=====] - 0s 87ms/step
>4266, dr[0.376,0.503], df[0.353,0.128], g[1.638,0.179]
1/1 [=====] - 0s 80ms/step
>4267, dr[0.467,0.414], df[0.420,0.096], g[1.598,0.219]
1/1 [=====] - 0s 81ms/step
>4268, dr[0.477,0.852], df[0.418,0.038], g[1.862,0.150]
1/1 [=====] - 0s 86ms/step
>4269, dr[0.841,0.250], df[0.846,0.129], g[1.374,0.213]
1/1 [=====] - 0s 91ms/step
>4270, dr[0.277,0.223], df[0.449,0.048], g[1.601,0.190]
1/1 [=====] - 0s 86ms/step
>4271, dr[0.622,1.196], df[0.679,0.131], g[1.649,0.116]
1/1 [=====] - 0s 82ms/step
>4272, dr[0.382,0.817], df[0.268,0.029], g[1.830,0.074]
1/1 [=====] - 0s 82ms/step
>4273, dr[0.643,0.632], df[0.588,0.375], g[1.524,0.172]
1/1 [=====] - 0s 85ms/step
>4274, dr[0.401,0.292], df[0.469,0.123], g[2.076,0.072]
1/1 [=====] - 0s 81ms/step
>4275, dr[0.659,0.842], df[0.508,0.111], g[1.269,0.239]
1/1 [=====] - 0s 83ms/step
>4276, dr[0.716,0.598], df[0.622,0.065], g[1.271,0.194]
1/1 [=====] - 0s 83ms/step
>4277, dr[0.499,0.819], df[0.473,0.123], g[1.297,0.156]
1/1 [=====] - 0s 80ms/step
>4278, dr[0.253,0.422], df[0.384,0.041], g[1.675,0.082]
1/1 [=====] - 0s 92ms/step
>4279, dr[0.450,0.803], df[0.619,0.057], g[1.392,0.114]
1/1 [=====] - 0s 82ms/step
>4280, dr[0.665,0.288], df[0.447,0.048], g[1.758,0.065]
1/1 [=====] - 0s 85ms/step
>4281, dr[0.490,0.671], df[0.540,0.058], g[1.893,0.104]
1/1 [=====] - 0s 78ms/step
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>4282, dr[0.501,0.556], df[0.356,0.115], g[1.812,0.098]
1/1 [=====] - 0s 85ms/step
>4283, dr[0.370,0.923], df[0.438,0.112], g[1.910,0.177]
1/1 [=====] - 0s 83ms/step
>4284, dr[0.331,0.395], df[0.321,0.160], g[1.748,0.154]
1/1 [=====] - 0s 105ms/step
>4285, dr[0.444,0.427], df[0.432,0.167], g[1.674,0.131]
1/1 [=====] - 0s 87ms/step
>4286, dr[0.577,0.776], df[0.413,0.089], g[1.495,0.081]
1/1 [=====] - 0s 80ms/step
>4287, dr[0.269,0.648], df[0.534,0.182], g[1.477,0.228]
1/1 [=====] - 0s 106ms/step
>4288, dr[0.518,0.390], df[0.592,0.183], g[1.503,0.170]
1/1 [=====] - 0s 91ms/step
>4289, dr[0.508,0.389], df[0.452,0.053], g[1.477,0.156]
1/1 [=====] - 0s 111ms/step
>4290, dr[0.627,0.486], df[0.495,0.290], g[1.452,0.308]
1/1 [=====] - 0s 96ms/step
>4291, dr[0.499,0.868], df[0.553,0.171], g[1.313,0.246]
1/1 [=====] - 0s 104ms/step
>4292, dr[0.418,0.393], df[0.575,0.131], g[2.167,0.037]
1/1 [=====] - 0s 98ms/step
>4293, dr[0.776,0.384], df[0.321,0.096], g[1.297,0.165]
1/1 [=====] - 0s 81ms/step
>4294, dr[0.349,0.362], df[0.574,0.234], g[1.345,0.250]
1/1 [=====] - 0s 85ms/step
>4295, dr[0.381,0.688], df[0.856,0.168], g[1.855,0.124]
1/1 [=====] - 0s 85ms/step
>4296, dr[0.539,0.872], df[0.385,0.093], g[1.780,0.121]
1/1 [=====] - 0s 86ms/step
>4297, dr[0.679,0.591], df[0.275,0.147], g[1.241,0.114]
1/1 [=====] - 0s 82ms/step
>4298, dr[0.291,0.698], df[0.558,0.334], g[1.508,0.246]
1/1 [=====] - 0s 95ms/step
>4299, dr[0.468,0.375], df[0.363,0.247], g[1.364,0.157]
1/1 [=====] - 0s 81ms/step
>4300, dr[0.343,0.482], df[0.343,0.052], g[1.357,0.169]
1/1 [=====] - 0s 87ms/step
>4301, dr[0.488,0.614], df[0.591,0.110], g[1.644,0.148]
1/1 [=====] - 0s 101ms/step
>4302, dr[0.386,0.633], df[0.923,0.283], g[1.874,0.146]
1/1 [=====] - 0s 84ms/step
>4303, dr[0.785,0.455], df[0.371,0.033], g[1.873,0.119]
1/1 [=====] - 0s 82ms/step
>4304, dr[0.475,0.921], df[0.629,0.078], g[1.991,0.124]
1/1 [=====] - 0s 96ms/step
>4305, dr[0.648,0.428], df[0.342,0.142], g[1.779,0.102]
1/1 [=====] - 0s 89ms/step
>4306, dr[0.504,1.199], df[0.395,0.081], g[1.792,0.136]
1/1 [=====] - 0s 88ms/step
>4307, dr[0.483,0.561], df[0.562,0.121], g[1.738,0.116]
1/1 [=====] - 0s 97ms/step
>4308, dr[0.898,1.169], df[0.576,0.088], g[1.550,0.099]
1/1 [=====] - 0s 90ms/step
>4309, dr[0.343,0.521], df[0.530,0.054], g[1.736,0.224]
1/1 [=====] - 0s 86ms/step
>4310, dr[0.457,0.966], df[0.538,0.174], g[1.778,0.190]
1/1 [=====] - 0s 102ms/step
>4311, dr[0.650,0.769], df[0.824,0.103], g[1.830,0.099]
1/1 [=====] - 0s 91ms/step
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>4312, dr[0.628,0.642], df[0.453,0.212], g[1.762,0.189]
1/1 [=====] - 0s 85ms/step
>4313, dr[0.769,1.349], df[0.613,0.101], g[1.466,0.066]
1/1 [=====] - 0s 94ms/step
>4314, dr[0.348,0.532], df[0.588,0.090], g[1.503,0.109]
1/1 [=====] - 0s 83ms/step
>4315, dr[0.456,0.418], df[0.412,0.069], g[1.840,0.091]
1/1 [=====] - 0s 87ms/step
>4316, dr[0.355,0.479], df[0.453,0.135], g[1.617,0.093]
1/1 [=====] - 0s 86ms/step
>4317, dr[0.480,0.642], df[0.582,0.099], g[1.300,0.090]
1/1 [=====] - 0s 80ms/step
>4318, dr[0.391,0.706], df[0.476,0.099], g[1.976,0.110]
1/1 [=====] - 0s 87ms/step
>4319, dr[0.648,0.808], df[0.425,0.056], g[1.829,0.043]
1/1 [=====] - 0s 84ms/step
>4320, dr[0.435,0.496], df[0.321,0.104], g[1.740,0.184]
1/1 [=====] - 0s 87ms/step
>4321, dr[0.425,0.467], df[0.498,0.135], g[1.434,0.294]
1/1 [=====] - 0s 92ms/step
>4322, dr[0.601,0.411], df[0.799,0.229], g[1.981,0.201]
1/1 [=====] - 0s 84ms/step
>4323, dr[0.540,0.682], df[0.392,0.073], g[1.645,0.100]
1/1 [=====] - 0s 84ms/step
>4324, dr[0.655,0.447], df[0.746,0.104], g[1.453,0.171]
1/1 [=====] - 0s 83ms/step
>4325, dr[0.551,0.699], df[0.732,0.081], g[1.992,0.080]
1/1 [=====] - 0s 95ms/step
>4326, dr[0.459,0.827], df[0.372,0.145], g[1.377,0.080]
1/1 [=====] - 0s 86ms/step
>4327, dr[0.276,0.961], df[0.633,0.201], g[1.933,0.162]
1/1 [=====] - 0s 86ms/step
>4328, dr[0.792,0.770], df[0.467,0.039], g[1.715,0.091]
1/1 [=====] - 0s 84ms/step
>4329, dr[0.494,0.869], df[0.575,0.033], g[1.825,0.079]
1/1 [=====] - 0s 96ms/step
>4330, dr[0.509,0.622], df[0.287,0.043], g[1.518,0.267]
1/1 [=====] - 0s 85ms/step
>4331, dr[0.579,0.339], df[1.018,0.140], g[1.516,0.096]
1/1 [=====] - 0s 139ms/step
>4332, dr[0.421,0.428], df[0.470,0.126], g[2.213,0.099]
1/1 [=====] - 0s 127ms/step
>4333, dr[0.265,0.333], df[0.404,0.055], g[1.777,0.110]
1/1 [=====] - 0s 80ms/step
>4334, dr[0.581,0.565], df[0.353,0.191], g[1.921,0.125]
1/1 [=====] - 0s 80ms/step
>4335, dr[0.813,0.846], df[0.345,0.091], g[1.477,0.085]
1/1 [=====] - 0s 97ms/step
>4336, dr[0.559,0.668], df[0.377,0.142], g[1.279,0.085]
1/1 [=====] - 0s 82ms/step
>4337, dr[0.367,0.767], df[0.845,0.145], g[1.223,0.168]
1/1 [=====] - 0s 107ms/step
>4338, dr[0.213,0.462], df[0.453,0.095], g[1.687,0.187]
1/1 [=====] - 0s 126ms/step
>4339, dr[0.286,1.268], df[0.440,0.054], g[1.848,0.058]
1/1 [=====] - 0s 110ms/step
>4340, dr[0.534,0.783], df[0.420,0.087], g[1.559,0.169]
1/1 [=====] - 0s 92ms/step
>4341, dr[0.575,0.755], df[0.438,0.060], g[1.542,0.092]
1/1 [=====] - 0s 88ms/step
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>4342, dr[0.413,1.058], df[0.467,0.140], g[1.583,0.158]
1/1 [=====] - 0s 113ms/step
>4343, dr[0.402,0.416], df[0.691,0.066], g[1.870,0.055]
1/1 [=====] - 0s 91ms/step
>4344, dr[0.511,0.594], df[0.457,0.037], g[1.548,0.154]
1/1 [=====] - 0s 87ms/step
>4345, dr[0.448,0.452], df[0.473,0.143], g[1.872,0.162]
1/1 [=====] - 0s 156ms/step
>4346, dr[0.386,0.483], df[0.413,0.249], g[1.999,0.128]
1/1 [=====] - 0s 93ms/step
>4347, dr[0.592,0.280], df[0.427,0.081], g[1.558,0.092]
1/1 [=====] - 0s 95ms/step
>4348, dr[0.634,0.387], df[0.647,0.071], g[1.808,0.061]
1/1 [=====] - 0s 104ms/step
>4349, dr[0.438,0.852], df[0.456,0.461], g[1.379,0.353]
1/1 [=====] - 0s 136ms/step
>4350, dr[0.502,0.535], df[0.339,0.082], g[1.463,0.315]
1/1 [=====] - 0s 92ms/step
>4351, dr[0.381,0.400], df[0.686,0.172], g[1.352,0.219]
1/1 [=====] - 0s 91ms/step
>4352, dr[0.556,0.417], df[0.373,0.068], g[1.727,0.142]
1/1 [=====] - 0s 118ms/step
>4353, dr[0.493,0.423], df[0.586,0.045], g[1.655,0.171]
1/1 [=====] - 0s 96ms/step
>4354, dr[0.395,0.489], df[0.399,0.073], g[1.603,0.232]
1/1 [=====] - 0s 91ms/step
>4355, dr[0.844,0.497], df[0.399,0.183], g[1.393,0.114]
1/1 [=====] - 0s 94ms/step
>4356, dr[0.474,0.683], df[0.875,0.198], g[1.515,0.131]
1/1 [=====] - 0s 92ms/step
>4357, dr[0.677,0.736], df[0.450,0.072], g[1.602,0.105]
1/1 [=====] - 0s 127ms/step
>4358, dr[0.738,0.642], df[0.635,0.089], g[1.363,0.140]
1/1 [=====] - 0s 88ms/step
>4359, dr[0.408,0.850], df[0.622,0.262], g[1.576,0.103]
1/1 [=====] - 0s 85ms/step
>4360, dr[0.595,0.615], df[0.415,0.151], g[1.444,0.112]
1/1 [=====] - 0s 100ms/step
>4361, dr[0.404,0.509], df[0.650,0.141], g[1.760,0.041]
1/1 [=====] - 0s 89ms/step
>4362, dr[0.410,0.486], df[0.383,0.196], g[1.477,0.051]
1/1 [=====] - 0s 90ms/step
>4363, dr[0.577,0.457], df[0.666,0.074], g[1.486,0.197]
1/1 [=====] - 0s 90ms/step
>4364, dr[0.397,0.732], df[0.575,0.075], g[1.576,0.272]
1/1 [=====] - 0s 106ms/step
>4365, dr[0.424,0.753], df[0.420,0.134], g[1.710,0.242]
1/1 [=====] - 0s 95ms/step
>4366, dr[0.670,0.356], df[0.348,0.095], g[1.426,0.069]
1/1 [=====] - 0s 119ms/step
>4367, dr[0.638,0.890], df[0.529,0.083], g[1.473,0.070]
1/1 [=====] - 0s 91ms/step
>4368, dr[0.518,0.889], df[0.843,0.129], g[1.397,0.135]
1/1 [=====] - 0s 101ms/step
>4369, dr[0.439,0.629], df[0.754,0.074], g[1.903,0.101]
1/1 [=====] - 0s 91ms/step
>4370, dr[0.559,0.332], df[0.434,0.223], g[1.865,0.166]
1/1 [=====] - 0s 111ms/step
>4371, dr[0.649,0.509], df[0.590,0.284], g[1.480,0.163]
1/1 [=====] - 0s 97ms/step
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>4372, dr[0.610,0.478], df[0.334,0.133], g[1.706,0.130]
1/1 [=====] - 0s 96ms/step
>4373, dr[0.513,0.559], df[0.681,0.156], g[1.912,0.143]
1/1 [=====] - 0s 127ms/step
>4374, dr[0.710,0.647], df[0.505,0.125], g[1.587,0.203]
1/1 [=====] - 0s 119ms/step
>4375, dr[0.552,0.912], df[0.753,0.174], g[1.513,0.118]
1/1 [=====] - 0s 116ms/step
>4376, dr[0.426,0.515], df[0.407,0.083], g[1.414,0.145]
1/1 [=====] - 0s 92ms/step
>4377, dr[0.686,1.516], df[0.516,0.062], g[1.532,0.208]
1/1 [=====] - 0s 110ms/step
>4378, dr[0.629,0.874], df[0.658,0.272], g[1.544,0.372]
1/1 [=====] - 0s 92ms/step
>4379, dr[0.369,0.656], df[0.377,0.182], g[1.790,0.070]
1/1 [=====] - 0s 89ms/step
>4380, dr[0.496,0.477], df[0.604,0.086], g[1.744,0.207]
1/1 [=====] - 0s 109ms/step
>4381, dr[0.522,0.488], df[0.401,0.257], g[1.668,0.074]
1/1 [=====] - 0s 89ms/step
>4382, dr[0.427,0.495], df[0.558,0.315], g[1.932,0.155]
1/1 [=====] - 0s 107ms/step
>4383, dr[0.613,0.438], df[0.600,0.088], g[1.573,0.077]
1/1 [=====] - 0s 114ms/step
>4384, dr[0.449,0.361], df[0.468,0.092], g[2.042,0.117]
1/1 [=====] - 0s 97ms/step
>4385, dr[0.624,0.991], df[0.473,0.073], g[2.001,0.084]
1/1 [=====] - 0s 102ms/step
>4386, dr[0.522,0.676], df[0.526,0.155], g[1.980,0.068]
1/1 [=====] - 0s 103ms/step
>4387, dr[0.409,0.120], df[0.429,0.074], g[1.644,0.071]
1/1 [=====] - 0s 96ms/step
>4388, dr[0.384,0.494], df[0.484,0.195], g[1.341,0.130]
1/1 [=====] - 0s 97ms/step
>4389, dr[0.482,0.672], df[0.530,0.166], g[1.501,0.083]
1/1 [=====] - 0s 88ms/step
>4390, dr[0.498,0.700], df[0.362,0.109], g[1.489,0.230]
1/1 [=====] - 0s 89ms/step
>4391, dr[0.279,0.387], df[0.681,0.075], g[1.892,0.171]
1/1 [=====] - 0s 85ms/step
>4392, dr[0.539,0.638], df[0.396,0.089], g[1.748,0.130]
1/1 [=====] - 0s 87ms/step
>4393, dr[0.788,0.599], df[0.608,0.120], g[1.692,0.137]
1/1 [=====] - 0s 80ms/step
>4394, dr[0.434,0.392], df[0.446,0.131], g[1.718,0.119]
1/1 [=====] - 0s 83ms/step
>4395, dr[0.533,0.556], df[0.446,0.311], g[1.478,0.128]
1/1 [=====] - 0s 113ms/step
>4396, dr[0.394,0.290], df[0.621,0.063], g[1.874,0.126]
1/1 [=====] - 0s 111ms/step
>4397, dr[0.355,0.166], df[0.283,0.128], g[1.787,0.089]
1/1 [=====] - 0s 96ms/step
>4398, dr[0.759,0.405], df[0.469,0.157], g[1.503,0.153]
1/1 [=====] - 0s 115ms/step
>4399, dr[0.882,0.849], df[0.545,0.185], g[1.366,0.132]
1/1 [=====] - 0s 105ms/step
>4400, dr[0.492,0.384], df[0.931,0.086], g[1.292,0.118]
1/1 [=====] - 0s 103ms/step
>4401, dr[0.417,0.375], df[0.604,0.043], g[1.901,0.096]
1/1 [=====] - 0s 97ms/step
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>4402, dr[0.444,0.545], df[0.363,0.147], g[1.629,0.147]
1/1 [=====] - 0s 124ms/step
>4403, dr[0.485,0.492], df[0.487,0.068], g[1.901,0.185]
1/1 [=====] - 0s 114ms/step
>4404, dr[0.679,0.722], df[0.225,0.095], g[1.498,0.113]
1/1 [=====] - 0s 145ms/step
>4405, dr[0.307,0.883], df[0.491,0.130], g[1.262,0.353]
1/1 [=====] - 0s 94ms/step
>4406, dr[0.373,0.637], df[0.329,0.111], g[1.644,0.188]
1/1 [=====] - 0s 132ms/step
>4407, dr[0.475,0.479], df[0.430,0.128], g[1.311,0.117]
1/1 [=====] - 0s 122ms/step
>4408, dr[0.359,0.669], df[0.684,0.112], g[1.686,0.167]
1/1 [=====] - 0s 97ms/step
>4409, dr[0.561,0.913], df[0.409,0.067], g[1.367,0.210]
1/1 [=====] - 0s 105ms/step
>4410, dr[0.433,0.499], df[0.508,0.274], g[1.372,0.095]
1/1 [=====] - 0s 91ms/step
>4411, dr[0.364,0.244], df[0.449,0.236], g[1.982,0.096]
1/1 [=====] - 0s 95ms/step
>4412, dr[0.660,0.621], df[0.377,0.241], g[1.408,0.197]
1/1 [=====] - 0s 94ms/step
>4413, dr[0.837,0.610], df[0.645,0.050], g[0.922,0.201]
1/1 [=====] - 0s 95ms/step
>4414, dr[0.269,0.603], df[0.820,0.171], g[1.442,0.198]
1/1 [=====] - 0s 111ms/step
>4415, dr[0.743,0.509], df[0.458,0.053], g[1.673,0.126]
1/1 [=====] - 0s 86ms/step
>4416, dr[0.471,1.125], df[0.626,0.216], g[1.718,0.072]
1/1 [=====] - 0s 104ms/step
>4417, dr[0.345,0.738], df[0.445,0.214], g[1.504,0.145]
1/1 [=====] - 0s 86ms/step
>4418, dr[0.611,0.470], df[0.507,0.223], g[1.641,0.206]
1/1 [=====] - 0s 89ms/step
>4419, dr[0.346,0.628], df[0.730,0.116], g[1.887,0.133]
1/1 [=====] - 0s 85ms/step
>4420, dr[0.465,0.705], df[0.474,0.257], g[1.779,0.121]
1/1 [=====] - 0s 88ms/step
>4421, dr[0.657,0.517], df[0.365,0.053], g[1.958,0.120]
1/1 [=====] - 0s 92ms/step
>4422, dr[0.502,0.438], df[0.391,0.090], g[1.519,0.119]
1/1 [=====] - 0s 94ms/step
>4423, dr[0.304,1.111], df[0.630,0.225], g[1.795,0.113]
1/1 [=====] - 0s 114ms/step
>4424, dr[0.478,0.763], df[0.611,0.099], g[1.950,0.159]
1/1 [=====] - 0s 99ms/step
>4425, dr[0.559,0.801], df[0.303,0.054], g[1.552,0.121]
1/1 [=====] - 0s 134ms/step
>4426, dr[0.519,0.789], df[0.409,0.033], g[1.473,0.158]
1/1 [=====] - 0s 92ms/step
>4427, dr[0.416,0.496], df[0.467,0.358], g[1.593,0.140]
1/1 [=====] - 0s 103ms/step
>4428, dr[0.567,0.759], df[0.531,0.253], g[1.628,0.155]
1/1 [=====] - 0s 101ms/step
>4429, dr[0.421,0.375], df[0.436,0.110], g[1.599,0.079]
1/1 [=====] - 0s 98ms/step
>4430, dr[0.335,0.649], df[0.587,0.178], g[1.439,0.195]
1/1 [=====] - 0s 113ms/step
>4431, dr[0.628,0.226], df[0.561,0.169], g[1.728,0.208]
1/1 [=====] - 0s 109ms/step
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>4432, dr[0.648,0.910], df[0.396,0.128], g[1.235,0.128]
1/1 [=====] - 0s 97ms/step
>4433, dr[0.475,0.644], df[0.523,0.137], g[1.270,0.201]
1/1 [=====] - 0s 93ms/step
>4434, dr[0.373,0.574], df[0.547,0.094], g[1.798,0.085]
1/1 [=====] - 0s 101ms/step
>4435, dr[0.490,0.552], df[0.565,0.207], g[1.449,0.162]
1/1 [=====] - 0s 93ms/step
>4436, dr[0.326,0.814], df[0.414,0.089], g[1.392,0.205]
1/1 [=====] - 0s 139ms/step
>4437, dr[0.432,0.451], df[0.395,0.135], g[1.570,0.137]
1/1 [=====] - 0s 89ms/step
>4438, dr[0.432,0.635], df[0.282,0.117], g[1.540,0.122]
1/1 [=====] - 0s 100ms/step
>4439, dr[0.466,0.640], df[0.462,0.073], g[1.832,0.066]
1/1 [=====] - 0s 98ms/step
>4440, dr[0.457,0.608], df[0.517,0.064], g[1.327,0.172]
1/1 [=====] - 0s 94ms/step
>4441, dr[0.666,0.598], df[0.479,0.069], g[1.416,0.169]
1/1 [=====] - 0s 93ms/step
>4442, dr[0.364,0.237], df[0.565,0.041], g[1.810,0.114]
1/1 [=====] - 0s 99ms/step
>4443, dr[0.677,0.916], df[0.351,0.119], g[1.363,0.160]
1/1 [=====] - 0s 81ms/step
>4444, dr[0.547,0.589], df[0.737,0.080], g[1.434,0.130]
1/1 [=====] - 0s 101ms/step
>4445, dr[0.468,0.265], df[0.488,0.144], g[1.608,0.156]
1/1 [=====] - 0s 101ms/step
>4446, dr[0.507,0.821], df[0.497,0.099], g[1.437,0.111]
1/1 [=====] - 0s 137ms/step
>4447, dr[0.303,0.589], df[0.588,0.217], g[1.441,0.116]
1/1 [=====] - 0s 82ms/step
>4448, dr[0.540,0.277], df[0.581,0.078], g[1.883,0.073]
1/1 [=====] - 0s 88ms/step
>4449, dr[0.554,0.692], df[0.503,0.132], g[1.778,0.040]
1/1 [=====] - 0s 80ms/step
>4450, dr[0.512,0.494], df[0.320,0.068], g[1.775,0.059]
1/1 [=====] - 0s 82ms/step
>4451, dr[0.614,0.794], df[0.385,0.055], g[1.770,0.080]
1/1 [=====] - 0s 80ms/step
>4452, dr[0.516,0.690], df[0.495,0.149], g[1.793,0.092]
1/1 [=====] - 0s 80ms/step
>4453, dr[0.530,0.329], df[0.635,0.061], g[1.241,0.256]
1/1 [=====] - 0s 86ms/step
>4454, dr[0.405,0.568], df[0.614,0.251], g[1.330,0.144]
1/1 [=====] - 0s 84ms/step
>4455, dr[0.399,0.871], df[0.416,0.144], g[1.715,0.086]
1/1 [=====] - 0s 80ms/step
>4456, dr[0.481,0.536], df[0.533,0.040], g[1.561,0.112]
1/1 [=====] - 0s 88ms/step
>4457, dr[0.444,0.739], df[0.504,0.118], g[2.134,0.093]
1/1 [=====] - 0s 84ms/step
>4458, dr[0.833,0.721], df[0.501,0.068], g[1.316,0.164]
1/1 [=====] - 0s 85ms/step
>4459, dr[0.247,0.297], df[0.539,0.046], g[1.623,0.067]
1/1 [=====] - 0s 82ms/step
>4460, dr[0.455,0.449], df[0.526,0.054], g[1.364,0.118]
1/1 [=====] - 0s 80ms/step
>4461, dr[0.568,0.525], df[0.607,0.073], g[1.486,0.100]
1/1 [=====] - 0s 88ms/step
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>4462, dr[0.467,0.713], df[0.413,0.057], g[1.805,0.094]
1/1 [=====] - 0s 84ms/step
>4463, dr[0.258,0.358], df[0.229,0.056], g[1.675,0.131]
1/1 [=====] - 0s 79ms/step
>4464, dr[0.458,0.489], df[0.575,0.061], g[1.507,0.296]
1/1 [=====] - 0s 82ms/step
>4465, dr[0.700,0.540], df[0.432,0.140], g[1.528,0.080]
1/1 [=====] - 0s 81ms/step
>4466, dr[0.632,0.732], df[0.732,0.140], g[1.228,0.228]
1/1 [=====] - 0s 87ms/step
>4467, dr[0.342,0.410], df[0.817,0.083], g[1.919,0.082]
1/1 [=====] - 0s 80ms/step
>4468, dr[0.539,0.683], df[0.627,0.118], g[1.837,0.160]
1/1 [=====] - 0s 78ms/step
>4469, dr[0.886,0.778], df[0.332,0.059], g[1.804,0.075]
1/1 [=====] - 0s 91ms/step
>4470, dr[0.575,0.843], df[0.561,0.116], g[1.559,0.125]
1/1 [=====] - 0s 83ms/step
>4471, dr[0.482,0.678], df[0.685,0.085], g[1.564,0.271]
1/1 [=====] - 0s 82ms/step
>4472, dr[0.346,0.458], df[0.400,0.111], g[1.821,0.116]
1/1 [=====] - 0s 86ms/step
>4473, dr[0.653,0.522], df[0.615,0.113], g[1.634,0.201]
1/1 [=====] - 0s 80ms/step
>4474, dr[0.543,0.500], df[0.522,0.064], g[1.637,0.133]
1/1 [=====] - 0s 83ms/step
>4475, dr[0.389,0.481], df[0.523,0.332], g[1.550,0.136]
1/1 [=====] - 0s 84ms/step
>4476, dr[0.621,0.550], df[0.736,0.128], g[1.342,0.104]
1/1 [=====] - 0s 81ms/step
>4477, dr[0.693,0.648], df[0.738,0.246], g[1.723,0.079]
1/1 [=====] - 0s 87ms/step
>4478, dr[0.463,0.873], df[0.480,0.044], g[1.977,0.113]
1/1 [=====] - 0s 83ms/step
>4479, dr[0.467,0.586], df[0.550,0.069], g[1.659,0.096]
1/1 [=====] - 0s 83ms/step
>4480, dr[0.363,0.329], df[0.390,0.054], g[1.832,0.151]
1/1 [=====] - 0s 82ms/step
>4481, dr[0.729,0.882], df[0.758,0.220], g[1.419,0.075]
1/1 [=====] - 0s 81ms/step
>4482, dr[0.537,0.654], df[0.330,0.140], g[1.978,0.080]
1/1 [=====] - 0s 95ms/step
>4483, dr[0.469,0.677], df[0.525,0.120], g[1.636,0.208]
1/1 [=====] - 0s 86ms/step
>4484, dr[0.473,0.324], df[0.626,0.232], g[2.030,0.111]
1/1 [=====] - 0s 85ms/step
>4485, dr[0.661,0.472], df[0.324,0.116], g[1.425,0.108]
1/1 [=====] - 0s 93ms/step
>4486, dr[0.364,0.287], df[0.578,0.085], g[1.362,0.093]
1/1 [=====] - 0s 85ms/step
>4487, dr[0.398,0.474], df[0.334,0.103], g[1.836,0.247]
1/1 [=====] - 0s 84ms/step
>4488, dr[0.532,0.650], df[0.492,0.331], g[1.683,0.195]
1/1 [=====] - 0s 86ms/step
>4489, dr[0.632,0.623], df[0.462,0.059], g[1.704,0.104]
1/1 [=====] - 0s 80ms/step
>4490, dr[0.578,0.564], df[0.459,0.120], g[1.427,0.071]
1/1 [=====] - 0s 84ms/step
>4491, dr[0.365,0.309], df[0.598,0.156], g[1.637,0.157]
1/1 [=====] - 0s 83ms/step
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>4492, dr[0.671,0.408], df[0.596,0.114], g[1.439,0.068]
1/1 [=====] - 0s 81ms/step
>4493, dr[0.529,0.861], df[0.460,0.106], g[1.761,0.121]
1/1 [=====] - 0s 95ms/step
>4494, dr[0.466,0.552], df[0.356,0.039], g[1.582,0.105]
1/1 [=====] - 0s 80ms/step
>4495, dr[0.400,0.634], df[0.559,0.065], g[1.382,0.110]
1/1 [=====] - 0s 86ms/step
>4496, dr[0.356,0.421], df[0.433,0.151], g[1.777,0.114]
1/1 [=====] - 0s 80ms/step
>4497, dr[0.503,0.529], df[0.405,0.069], g[1.764,0.312]
1/1 [=====] - 0s 82ms/step
>4498, dr[0.368,0.263], df[0.558,0.226], g[2.002,0.142]
1/1 [=====] - 0s 86ms/step
>4499, dr[0.449,0.469], df[0.255,0.086], g[1.624,0.270]
1/1 [=====] - 0s 81ms/step
>4500, dr[0.694,0.607], df[0.695,0.174], g[1.543,0.194]
1/1 [=====] - 0s 89ms/step
>4501, dr[0.498,0.815], df[0.443,0.121], g[1.543,0.045]
1/1 [=====] - 0s 104ms/step
>4502, dr[0.524,0.290], df[0.608,0.097], g[1.834,0.103]
1/1 [=====] - 0s 84ms/step
>4503, dr[0.377,1.144], df[0.710,0.115], g[1.549,0.163]
1/1 [=====] - 0s 96ms/step
>4504, dr[0.530,0.496], df[0.393,0.129], g[1.932,0.084]
1/1 [=====] - 0s 90ms/step
>4505, dr[0.532,0.445], df[0.379,0.044], g[1.762,0.100]
1/1 [=====] - 0s 90ms/step
>4506, dr[0.497,0.553], df[0.598,0.210], g[1.448,0.096]
1/1 [=====] - 0s 82ms/step
>4507, dr[0.508,0.569], df[0.618,0.236], g[1.743,0.156]
1/1 [=====] - 0s 92ms/step
>4508, dr[0.655,0.580], df[0.439,0.068], g[1.828,0.136]
1/1 [=====] - 0s 90ms/step
>4509, dr[0.413,0.615], df[0.393,0.189], g[1.693,0.134]
1/1 [=====] - 0s 88ms/step
>4510, dr[0.552,0.750], df[0.890,0.141], g[1.750,0.167]
1/1 [=====] - 0s 88ms/step
>4511, dr[0.457,0.298], df[0.404,0.161], g[1.405,0.176]
1/1 [=====] - 0s 90ms/step
>4512, dr[0.467,0.529], df[0.510,0.143], g[1.769,0.092]
1/1 [=====] - 0s 83ms/step
>4513, dr[0.760,0.567], df[0.491,0.218], g[1.709,0.164]
1/1 [=====] - 0s 84ms/step
>4514, dr[0.559,0.444], df[0.631,0.074], g[1.507,0.137]
1/1 [=====] - 0s 81ms/step
>4515, dr[0.364,0.841], df[0.720,0.137], g[1.601,0.173]
1/1 [=====] - 0s 85ms/step
>4516, dr[0.701,0.512], df[0.487,0.038], g[1.969,0.100]
1/1 [=====] - 0s 81ms/step
>4517, dr[0.577,0.565], df[0.291,0.090], g[1.613,0.203]
1/1 [=====] - 0s 81ms/step
>4518, dr[0.490,0.346], df[0.625,0.158], g[1.572,0.107]
1/1 [=====] - 0s 94ms/step
>4519, dr[0.558,0.390], df[0.429,0.186], g[1.632,0.327]
1/1 [=====] - 0s 80ms/step
>4520, dr[0.428,0.557], df[0.484,0.170], g[1.616,0.200]
1/1 [=====] - 0s 83ms/step
>4521, dr[0.633,0.667], df[0.522,0.054], g[1.304,0.137]
1/1 [=====] - 0s 86ms/step
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>4522, dr[0.458,0.758], df[0.943,0.095], g[1.525,0.111]
1/1 [=====] - 0s 82ms/step
>4523, dr[0.444,0.550], df[0.549,0.150], g[2.118,0.233]
1/1 [=====] - 0s 88ms/step
>4524, dr[0.907,0.461], df[0.512,0.127], g[1.979,0.150]
1/1 [=====] - 0s 87ms/step
>4525, dr[0.739,0.592], df[0.507,0.120], g[1.696,0.108]
1/1 [=====] - 0s 82ms/step
>4526, dr[0.306,0.312], df[0.635,0.257], g[1.626,0.188]
1/1 [=====] - 0s 85ms/step
>4527, dr[0.328,0.420], df[0.440,0.034], g[1.918,0.120]
1/1 [=====] - 0s 89ms/step
>4528, dr[0.817,0.515], df[0.422,0.260], g[1.882,0.085]
1/1 [=====] - 0s 89ms/step
>4529, dr[0.452,0.469], df[0.409,0.070], g[1.459,0.076]
1/1 [=====] - 0s 80ms/step
>4530, dr[0.629,0.432], df[0.717,0.051], g[1.570,0.158]
1/1 [=====] - 0s 83ms/step
>4531, dr[0.737,0.664], df[0.831,0.309], g[1.672,0.085]
1/1 [=====] - 0s 84ms/step
>4532, dr[0.498,0.612], df[0.429,0.161], g[1.472,0.138]
1/1 [=====] - 0s 86ms/step
>4533, dr[0.404,0.933], df[0.555,0.231], g[1.424,0.079]
1/1 [=====] - 0s 80ms/step
>4534, dr[0.721,0.510], df[0.478,0.155], g[1.607,0.064]
1/1 [=====] - 0s 82ms/step
>4535, dr[0.320,0.576], df[0.498,0.098], g[1.623,0.058]
1/1 [=====] - 0s 89ms/step
>4536, dr[0.361,0.634], df[0.411,0.136], g[1.633,0.120]
1/1 [=====] - 0s 85ms/step
>4537, dr[0.474,0.998], df[0.393,0.048], g[1.461,0.127]
1/1 [=====] - 0s 82ms/step
>4538, dr[0.429,0.393], df[0.427,0.294], g[1.533,0.046]
1/1 [=====] - 0s 87ms/step
>4539, dr[0.458,0.824], df[0.378,0.063], g[1.905,0.168]
1/1 [=====] - 0s 80ms/step
>4540, dr[0.546,0.521], df[0.475,0.063], g[1.590,0.103]
1/1 [=====] - 0s 83ms/step
>4541, dr[0.494,0.684], df[0.407,0.039], g[1.589,0.110]
1/1 [=====] - 0s 81ms/step
>4542, dr[0.356,0.477], df[0.468,0.086], g[1.474,0.130]
1/1 [=====] - 0s 82ms/step
>4543, dr[0.634,0.726], df[0.554,0.062], g[1.214,0.119]
1/1 [=====] - 0s 93ms/step
>4544, dr[0.276,0.472], df[0.793,0.145], g[1.634,0.162]
1/1 [=====] - 0s 86ms/step
>4545, dr[0.631,0.534], df[0.519,0.043], g[1.520,0.081]
1/1 [=====] - 0s 98ms/step
>4546, dr[0.455,0.392], df[0.423,0.047], g[1.824,0.169]
1/1 [=====] - 0s 99ms/step
>4547, dr[0.418,0.641], df[0.437,0.205], g[1.761,0.079]
1/1 [=====] - 0s 89ms/step
>4548, dr[0.469,0.423], df[0.376,0.087], g[1.631,0.104]
1/1 [=====] - 0s 103ms/step
>4549, dr[0.560,0.298], df[0.481,0.059], g[1.231,0.134]
1/1 [=====] - 0s 93ms/step
>4550, dr[0.404,0.708], df[0.745,0.328], g[1.432,0.067]
1/1 [=====] - 0s 81ms/step
>4551, dr[0.658,0.469], df[0.685,0.073], g[1.463,0.143]
1/1 [=====] - 0s 84ms/step
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>4552, dr[0.563,0.734], df[0.614,0.111], g[1.793,0.261]
1/1 [=====] - 0s 82ms/step
>4553, dr[0.463,0.466], df[0.452,0.059], g[1.601,0.286]
1/1 [=====] - 0s 80ms/step
>4554, dr[0.667,0.620], df[0.393,0.130], g[1.222,0.106]
1/1 [=====] - 0s 89ms/step
>4555, dr[0.437,0.332], df[0.655,0.155], g[1.599,0.222]
1/1 [=====] - 0s 85ms/step
>4556, dr[0.498,0.362], df[0.367,0.072], g[1.380,0.133]
1/1 [=====] - 0s 90ms/step
>4557, dr[0.568,0.872], df[0.481,0.118], g[1.089,0.171]
1/1 [=====] - 0s 92ms/step
>4558, dr[0.306,0.559], df[0.904,0.383], g[1.508,0.154]
1/1 [=====] - 0s 83ms/step
>4559, dr[0.773,0.456], df[0.636,0.105], g[1.652,0.136]
1/1 [=====] - 0s 86ms/step
>4560, dr[0.526,0.457], df[0.540,0.110], g[1.725,0.117]
1/1 [=====] - 0s 84ms/step
>4561, dr[0.699,0.588], df[0.470,0.157], g[1.529,0.109]
1/1 [=====] - 0s 83ms/step
>4562, dr[0.663,0.356], df[0.653,0.073], g[1.745,0.060]
1/1 [=====] - 0s 90ms/step
>4563, dr[0.496,0.553], df[0.479,0.188], g[1.689,0.131]
1/1 [=====] - 0s 82ms/step
>4564, dr[0.468,0.500], df[0.310,0.028], g[1.631,0.133]
1/1 [=====] - 0s 82ms/step
>4565, dr[0.653,0.452], df[0.607,0.081], g[1.467,0.109]
1/1 [=====] - 0s 87ms/step
>4566, dr[0.434,0.308], df[0.487,0.207], g[1.507,0.122]
1/1 [=====] - 0s 82ms/step
>4567, dr[0.533,0.561], df[0.404,0.096], g[1.556,0.109]
1/1 [=====] - 0s 87ms/step
>4568, dr[0.387,0.476], df[0.662,0.192], g[1.617,0.075]
1/1 [=====] - 0s 82ms/step
>4569, dr[0.573,0.668], df[0.350,0.127], g[1.500,0.156]
1/1 [=====] - 0s 80ms/step
>4570, dr[0.466,0.330], df[0.641,0.148], g[1.308,0.088]
1/1 [=====] - 0s 97ms/step
>4571, dr[0.479,0.585], df[0.494,0.112], g[1.830,0.079]
1/1 [=====] - 0s 84ms/step
>4572, dr[0.491,0.458], df[0.485,0.030], g[1.392,0.054]
1/1 [=====] - 0s 84ms/step
>4573, dr[0.843,0.979], df[0.817,0.081], g[1.380,0.081]
1/1 [=====] - 0s 85ms/step
>4574, dr[0.325,1.027], df[0.402,0.073], g[1.711,0.088]
1/1 [=====] - 0s 84ms/step
>4575, dr[0.461,0.555], df[0.484,0.120], g[1.649,0.193]
1/1 [=====] - 0s 87ms/step
>4576, dr[0.392,0.436], df[0.453,0.250], g[1.723,0.061]
1/1 [=====] - 0s 84ms/step
>4577, dr[0.548,0.440], df[0.485,0.210], g[1.470,0.120]
1/1 [=====] - 0s 85ms/step
>4578, dr[0.531,0.482], df[0.358,0.033], g[1.638,0.121]
1/1 [=====] - 0s 87ms/step
>4579, dr[0.322,0.590], df[0.611,0.066], g[1.402,0.156]
1/1 [=====] - 0s 87ms/step
>4580, dr[0.514,0.246], df[0.559,0.131], g[1.657,0.095]
1/1 [=====] - 0s 86ms/step
>4581, dr[0.687,0.423], df[0.552,0.229], g[1.650,0.152]
1/1 [=====] - 0s 81ms/step
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>4582, dr[0.398,0.613], df[0.420,0.045], g[1.448,0.094]
1/1 [=====] - 0s 94ms/step
>4583, dr[0.513,0.431], df[0.694,0.058], g[1.911,0.081]
1/1 [=====] - 0s 86ms/step
>4584, dr[0.524,0.695], df[0.432,0.064], g[1.901,0.176]
1/1 [=====] - 0s 82ms/step
>4585, dr[0.369,0.595], df[0.534,0.148], g[1.682,0.182]
1/1 [=====] - 0s 87ms/step
>4586, dr[0.540,0.268], df[0.382,0.087], g[1.862,0.116]
1/1 [=====] - 0s 91ms/step
>4587, dr[0.835,0.717], df[0.668,0.250], g[1.542,0.097]
1/1 [=====] - 0s 86ms/step
>4588, dr[0.311,0.885], df[0.356,0.290], g[1.314,0.069]
1/1 [=====] - 0s 90ms/step
>4589, dr[0.450,0.480], df[0.541,0.059], g[1.583,0.135]
1/1 [=====] - 0s 100ms/step
>4590, dr[0.592,0.148], df[0.371,0.136], g[1.683,0.088]
1/1 [=====] - 0s 87ms/step
>4591, dr[0.523,0.696], df[0.328,0.051], g[1.393,0.119]
1/1 [=====] - 0s 94ms/step
>4592, dr[0.458,0.766], df[0.535,0.064], g[1.609,0.183]
1/1 [=====] - 0s 102ms/step
>4593, dr[0.349,0.500], df[0.598,0.099], g[1.488,0.289]
1/1 [=====] - 0s 87ms/step
>4594, dr[0.440,0.734], df[0.466,0.085], g[1.674,0.133]
1/1 [=====] - 0s 95ms/step
>4595, dr[0.409,0.647], df[0.391,0.098], g[1.608,0.065]
1/1 [=====] - 0s 113ms/step
>4596, dr[0.412,0.399], df[0.584,0.103], g[1.854,0.135]
1/1 [=====] - 0s 87ms/step
>4597, dr[0.521,0.550], df[0.554,0.071], g[1.520,0.098]
1/1 [=====] - 0s 105ms/step
>4598, dr[0.433,0.374], df[0.366,0.055], g[1.678,0.193]
1/1 [=====] - 0s 94ms/step
>4599, dr[0.558,0.952], df[0.430,0.185], g[1.499,0.238]
1/1 [=====] - 0s 87ms/step
>4600, dr[0.473,0.809], df[0.389,0.059], g[1.406,0.168]
1/1 [=====] - 0s 89ms/step
>4601, dr[0.617,0.266], df[0.450,0.112], g[1.192,0.144]
1/1 [=====] - 0s 110ms/step
>4602, dr[0.348,0.639], df[0.730,0.518], g[1.885,0.098]
1/1 [=====] - 0s 89ms/step
>4603, dr[0.482,0.981], df[0.441,0.166], g[1.481,0.142]
1/1 [=====] - 0s 91ms/step
>4604, dr[0.488,0.543], df[0.579,0.158], g[1.819,0.074]
1/1 [=====] - 0s 96ms/step
>4605, dr[0.542,0.818], df[0.736,0.123], g[1.830,0.098]
1/1 [=====] - 0s 89ms/step
>4606, dr[0.349,0.747], df[0.431,0.129], g[1.858,0.104]
1/1 [=====] - 0s 107ms/step
>4607, dr[0.667,0.524], df[0.522,0.118], g[1.906,0.104]
1/1 [=====] - 0s 99ms/step
>4608, dr[0.524,0.768], df[0.427,0.241], g[1.660,0.103]
1/1 [=====] - 0s 91ms/step
>4609, dr[0.514,0.284], df[0.599,0.077], g[1.387,0.241]
1/1 [=====] - 0s 89ms/step
>4610, dr[0.514,0.957], df[0.476,0.180], g[1.713,0.094]
1/1 [=====] - 0s 96ms/step
>4611, dr[0.465,0.376], df[0.337,0.142], g[1.630,0.147]
1/1 [=====] - 0s 92ms/step
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>4612, dr[0.608,0.467], df[0.628,0.153], g[1.611,0.144]
1/1 [=====] - 0s 92ms/step
>4613, dr[0.443,0.278], df[0.351,0.085], g[1.649,0.163]
1/1 [=====] - 0s 106ms/step
>4614, dr[0.645,0.567], df[0.689,0.158], g[1.388,0.132]
1/1 [=====] - 0s 140ms/step
>4615, dr[0.372,0.543], df[0.576,0.231], g[1.573,0.134]
1/1 [=====] - 0s 100ms/step
>4616, dr[0.511,0.444], df[0.560,0.101], g[1.512,0.061]
1/1 [=====] - 0s 99ms/step
>4617, dr[0.496,0.233], df[0.577,0.083], g[1.501,0.110]
1/1 [=====] - 0s 101ms/step
>4618, dr[0.499,0.805], df[0.493,0.162], g[1.434,0.144]
1/1 [=====] - 0s 102ms/step
>4619, dr[0.641,0.949], df[0.482,0.065], g[1.347,0.204]
1/1 [=====] - 0s 96ms/step
>4620, dr[0.554,0.742], df[0.512,0.179], g[1.619,0.174]
1/1 [=====] - 0s 92ms/step
>4621, dr[0.477,0.885], df[0.579,0.411], g[1.460,0.208]
1/1 [=====] - 0s 153ms/step
>4622, dr[0.505,0.590], df[0.748,0.108], g[1.688,0.142]
1/1 [=====] - 0s 114ms/step
>4623, dr[0.547,0.336], df[0.593,0.060], g[1.959,0.100]
1/1 [=====] - 0s 119ms/step
>4624, dr[0.552,0.868], df[0.386,0.078], g[1.731,0.163]
1/1 [=====] - 0s 142ms/step
>4625, dr[0.745,0.170], df[0.531,0.055], g[1.545,0.127]
1/1 [=====] - 0s 357ms/step
>4626, dr[0.349,0.922], df[0.605,0.204], g[1.715,0.154]
1/1 [=====] - 0s 150ms/step
>4627, dr[0.504,0.656], df[0.807,0.206], g[2.083,0.130]
1/1 [=====] - 0s 105ms/step
>4628, dr[0.531,0.566], df[0.386,0.293], g[1.730,0.082]
1/1 [=====] - 0s 96ms/step
>4629, dr[0.543,0.755], df[0.424,0.378], g[1.564,0.101]
1/1 [=====] - 0s 124ms/step
>4630, dr[0.513,0.476], df[0.504,0.287], g[1.587,0.165]
1/1 [=====] - 0s 104ms/step
>4631, dr[0.580,0.451], df[0.432,0.163], g[1.431,0.148]
1/1 [=====] - 0s 116ms/step
>4632, dr[0.610,0.553], df[0.626,0.134], g[1.286,0.126]
1/1 [=====] - 0s 195ms/step
>4633, dr[0.493,0.692], df[0.687,0.371], g[1.701,0.099]
1/1 [=====] - 0s 85ms/step
>4634, dr[0.549,0.833], df[0.476,0.126], g[1.585,0.113]
1/1 [=====] - 0s 86ms/step
>4635, dr[0.576,0.499], df[0.529,0.097], g[1.496,0.119]
1/1 [=====] - 0s 132ms/step
>4636, dr[0.495,0.329], df[0.492,0.132], g[1.592,0.152]
1/1 [=====] - 0s 111ms/step
>4637, dr[0.523,0.424], df[0.472,0.098], g[1.543,0.114]
1/1 [=====] - 0s 115ms/step
>4638, dr[0.500,0.424], df[0.564,0.143], g[1.307,0.100]
1/1 [=====] - 0s 107ms/step
>4639, dr[0.627,0.303], df[0.594,0.077], g[1.425,0.123]
1/1 [=====] - 0s 108ms/step
>4640, dr[0.474,0.222], df[0.483,0.117], g[1.445,0.074]
1/1 [=====] - 0s 112ms/step
>4641, dr[0.466,0.704], df[0.706,0.267], g[1.709,0.135]
1/1 [=====] - 0s 203ms/step
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```
>4642, dr[0.667,0.624], df[0.569,0.154], g[1.468,0.178]
1/1 [=====] - 0s 225ms/step
>4643, dr[0.396,0.575], df[0.501,0.069], g[1.551,0.079]
1/1 [=====] - 0s 147ms/step
>4644, dr[0.952,0.278], df[0.561,0.125], g[1.554,0.123]
1/1 [=====] - 0s 153ms/step
>4645, dr[0.384,0.740], df[0.639,0.117], g[1.342,0.254]
1/1 [=====] - 1s 542ms/step
>4646, dr[0.370,0.438], df[0.685,0.198], g[1.710,0.125]
1/1 [=====] - 0s 218ms/step
>4647, dr[0.352,0.769], df[0.535,0.232], g[1.714,0.106]
1/1 [=====] - 0s 187ms/step
>4648, dr[0.595,0.547], df[0.409,0.050], g[1.577,0.137]
1/1 [=====] - 1s 555ms/step
>4649, dr[0.642,0.689], df[0.365,0.131], g[1.314,0.169]
1/1 [=====] - 0s 122ms/step
>4650, dr[0.569,0.917], df[0.538,0.039], g[1.175,0.102]
1/1 [=====] - 0s 92ms/step
>4651, dr[0.503,1.146], df[0.576,0.206], g[1.524,0.148]
1/1 [=====] - 0s 217ms/step
>4652, dr[0.371,0.319], df[0.708,0.193], g[1.449,0.163]
1/1 [=====] - 0s 206ms/step
>4653, dr[0.564,1.012], df[0.500,0.086], g[1.426,0.167]
1/1 [=====] - 0s 96ms/step
>4654, dr[0.408,0.662], df[0.561,0.130], g[1.788,0.114]
1/1 [=====] - 0s 91ms/step
>4655, dr[0.551,0.462], df[0.519,0.155], g[1.580,0.196]
1/1 [=====] - 0s 91ms/step
>4656, dr[0.995,0.606], df[0.552,0.132], g[1.125,0.138]
1/1 [=====] - 0s 93ms/step
>4657, dr[0.607,0.643], df[0.531,0.058], g[1.334,0.042]
1/1 [=====] - 0s 84ms/step
>4658, dr[0.302,0.465], df[0.603,0.096], g[1.592,0.085]
1/1 [=====] - 0s 82ms/step
>4659, dr[0.562,0.886], df[0.714,0.066], g[1.302,0.137]
1/1 [=====] - 0s 91ms/step
>4660, dr[0.517,0.862], df[0.438,0.139], g[1.776,0.145]
1/1 [=====] - 0s 96ms/step
>4661, dr[0.460,0.524], df[0.472,0.177], g[1.977,0.088]
1/1 [=====] - 0s 90ms/step
>4662, dr[0.474,0.706], df[0.341,0.120], g[1.742,0.060]
1/1 [=====] - 0s 89ms/step
>4663, dr[0.627,0.604], df[0.573,0.279], g[1.486,0.073]
1/1 [=====] - 0s 88ms/step
>4664, dr[0.417,0.483], df[0.563,0.245], g[1.646,0.143]
1/1 [=====] - 0s 95ms/step
>4665, dr[0.721,0.728], df[0.465,0.119], g[1.565,0.088]
1/1 [=====] - 0s 89ms/step
>4666, dr[0.378,0.885], df[0.549,0.144], g[1.273,0.132]
1/1 [=====] - 0s 84ms/step
>4667, dr[0.472,0.769], df[0.401,0.087], g[1.792,0.082]
1/1 [=====] - 0s 93ms/step
>4668, dr[0.507,0.540], df[0.548,0.061], g[1.617,0.164]
1/1 [=====] - 0s 104ms/step
>4669, dr[0.481,0.277], df[0.659,0.063], g[1.439,0.072]
1/1 [=====] - 0s 105ms/step
>4670, dr[0.702,0.417], df[0.496,0.073], g[1.443,0.155]
1/1 [=====] - 0s 105ms/step
>4671, dr[0.733,0.541], df[0.984,0.096], g[1.617,0.078]
1/1 [=====] - 0s 106ms/step
```

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>4672, dr[0.418,0.371], df[0.773,0.255], g[1.594,0.174]
1/1 [=====] - 0s 94ms/step
>4673, dr[0.799,0.388], df[0.503,0.353], g[1.612,0.191]
1/1 [=====] - 0s 101ms/step
>4674, dr[0.332,0.554], df[0.478,0.242], g[1.464,0.119]
1/1 [=====] - 0s 107ms/step
>4675, dr[0.657,0.277], df[0.527,0.079], g[1.251,0.099]
1/1 [=====] - 0s 98ms/step
>4676, dr[0.413,0.403], df[0.559,0.047], g[1.794,0.215]
1/1 [=====] - 0s 96ms/step
>4677, dr[0.556,0.542], df[0.683,0.255], g[1.482,0.122]
1/1 [=====] - 0s 102ms/step
>4678, dr[0.392,0.793], df[0.323,0.062], g[1.550,0.218]
1/1 [=====] - 0s 89ms/step
>4679, dr[0.395,0.947], df[0.401,0.073], g[1.360,0.149]
1/1 [=====] - 0s 90ms/step
>4680, dr[0.452,0.514], df[0.341,0.066], g[1.552,0.139]
1/1 [=====] - 0s 85ms/step
>4681, dr[0.464,0.487], df[0.455,0.100], g[1.553,0.113]
1/1 [=====] - 0s 88ms/step
>4682, dr[0.597,0.468], df[0.505,0.084], g[1.452,0.093]
1/1 [=====] - 0s 89ms/step
>4683, dr[0.470,0.843], df[0.876,0.108], g[1.669,0.122]
1/1 [=====] - 0s 98ms/step
>4684, dr[0.425,0.696], df[0.478,0.079], g[1.716,0.247]
1/1 [=====] - 0s 117ms/step
>4685, dr[0.379,0.571], df[0.427,0.130], g[1.739,0.197]
4/4 [=====] - 0s 111ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_4685.png and model_4685.h5
1/1 [=====] - 0s 142ms/step
>4686, dr[0.954,0.797], df[0.532,0.189], g[1.418,0.218]
1/1 [=====] - 0s 125ms/step
>4687, dr[0.554,0.381], df[0.411,0.078], g[1.300,0.200]
1/1 [=====] - 0s 112ms/step
>4688, dr[0.416,0.810], df[0.665,0.112], g[1.569,0.200]
1/1 [=====] - 0s 102ms/step
>4689, dr[0.507,0.542], df[0.521,0.165], g[1.812,0.103]
1/1 [=====] - 0s 88ms/step
>4690, dr[0.492,0.734], df[0.512,0.098], g[1.702,0.241]
1/1 [=====] - 0s 123ms/step
>4691, dr[0.613,0.655], df[0.341,0.017], g[1.499,0.150]
1/1 [=====] - 0s 101ms/step
>4692, dr[0.722,0.867], df[0.715,0.112], g[1.697,0.074]
1/1 [=====] - 0s 109ms/step
>4693, dr[0.440,0.529], df[0.489,0.054], g[1.677,0.132]
1/1 [=====] - 0s 88ms/step
>4694, dr[0.341,0.418], df[0.565,0.202], g[1.424,0.215]
1/1 [=====] - 0s 100ms/step
>4695, dr[0.719,0.867], df[0.591,0.111], g[1.610,0.071]
1/1 [=====] - 0s 87ms/step
>4696, dr[0.505,0.357], df[0.427,0.090], g[1.390,0.087]
1/1 [=====] - 0s 150ms/step
>4697, dr[0.377,0.561], df[0.558,0.077], g[1.504,0.331]
1/1 [=====] - 0s 117ms/step
>4698, dr[0.538,0.799], df[0.407,0.181], g[1.432,0.105]
1/1 [=====] - 0s 137ms/step
>4699, dr[0.377,0.772], df[0.457,0.158], g[1.544,0.117]
1/1 [=====] - 0s 99ms/step
```

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>4700, dr[0.600,0.798], df[0.532,0.123], g[1.357,0.227]
1/1 [=====] - 0s 99ms/step
>4701, dr[0.553,0.438], df[0.470,0.103], g[1.291,0.186]
1/1 [=====] - 0s 85ms/step
>4702, dr[0.491,0.606], df[0.696,0.065], g[1.348,0.153]
1/1 [=====] - 0s 99ms/step
>4703, dr[0.315,0.311], df[0.602,0.183], g[1.817,0.080]
1/1 [=====] - 0s 113ms/step
>4704, dr[0.710,0.763], df[0.438,0.207], g[1.750,0.079]
1/1 [=====] - 0s 100ms/step
>4705, dr[0.470,0.656], df[0.405,0.156], g[1.473,0.135]
1/1 [=====] - 0s 101ms/step
>4706, dr[0.545,0.544], df[0.494,0.118], g[1.471,0.145]
1/1 [=====] - 0s 112ms/step
>4707, dr[0.319,0.747], df[0.739,0.170], g[1.894,0.073]
1/1 [=====] - 0s 114ms/step
>4708, dr[0.540,0.340], df[0.457,0.112], g[1.815,0.165]
1/1 [=====] - 0s 92ms/step
>4709, dr[0.459,1.037], df[0.567,0.077], g[1.865,0.304]
1/1 [=====] - 0s 116ms/step
>4710, dr[0.553,0.356], df[0.409,0.083], g[1.660,0.179]
1/1 [=====] - 0s 109ms/step
>4711, dr[0.622,0.409], df[0.615,0.238], g[1.653,0.139]
1/1 [=====] - 0s 113ms/step
>4712, dr[0.449,0.511], df[0.394,0.239], g[1.594,0.090]
1/1 [=====] - 0s 92ms/step
>4713, dr[0.447,0.728], df[0.459,0.313], g[1.826,0.051]
1/1 [=====] - 0s 91ms/step
>4714, dr[0.558,0.556], df[0.496,0.112], g[1.466,0.140]
1/1 [=====] - 0s 87ms/step
>4715, dr[0.425,0.632], df[0.431,0.107], g[1.415,0.156]
1/1 [=====] - 0s 111ms/step
>4716, dr[0.622,0.315], df[0.571,0.045], g[1.425,0.153]
1/1 [=====] - 0s 87ms/step
>4717, dr[0.392,0.579], df[0.399,0.048], g[1.131,0.107]
1/1 [=====] - 0s 89ms/step
>4718, dr[0.500,0.685], df[0.563,0.085], g[1.478,0.097]
1/1 [=====] - 0s 92ms/step
>4719, dr[0.490,0.964], df[0.646,0.109], g[1.624,0.158]
1/1 [=====] - 0s 93ms/step
>4720, dr[0.572,0.845], df[0.366,0.104], g[1.544,0.105]
1/1 [=====] - 0s 101ms/step
>4721, dr[0.435,0.294], df[0.362,0.123], g[1.375,0.313]
1/1 [=====] - 0s 92ms/step
>4722, dr[0.401,0.554], df[0.620,0.136], g[1.741,0.298]
1/1 [=====] - 0s 98ms/step
>4723, dr[0.446,0.692], df[0.518,0.193], g[1.504,0.069]
1/1 [=====] - 0s 91ms/step
>4724, dr[0.807,0.630], df[0.448,0.057], g[1.311,0.168]
1/1 [=====] - 0s 104ms/step
>4725, dr[0.396,0.545], df[0.627,0.103], g[1.578,0.086]
1/1 [=====] - 0s 99ms/step
>4726, dr[0.418,0.591], df[0.608,0.199], g[1.597,0.202]
1/1 [=====] - 0s 89ms/step
>4727, dr[0.638,0.769], df[0.430,0.285], g[1.371,0.156]
1/1 [=====] - 0s 88ms/step
>4728, dr[0.530,0.656], df[0.798,0.103], g[1.654,0.101]
1/1 [=====] - 0s 95ms/step
>4729, dr[0.639,0.408], df[0.366,0.080], g[1.385,0.043]
1/1 [=====] - 0s 87ms/step
```

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>4730, dr[0.489,1.139], df[0.378,0.055], g[1.338,0.119]
1/1 [=====] - 0s 89ms/step
>4731, dr[0.422,0.744], df[0.706,0.100], g[1.633,0.191]
1/1 [=====] - 0s 96ms/step
>4732, dr[0.501,0.513], df[0.828,0.133], g[1.411,0.198]
1/1 [=====] - 0s 198ms/step
>4733, dr[0.420,0.398], df[0.525,0.134], g[1.919,0.101]
1/1 [=====] - 0s 88ms/step
>4734, dr[0.790,0.418], df[0.412,0.066], g[1.589,0.072]
1/1 [=====] - 0s 85ms/step
>4735, dr[0.449,0.727], df[0.387,0.307], g[1.732,0.072]
1/1 [=====] - 0s 89ms/step
>4736, dr[0.512,0.380], df[0.447,0.173], g[1.546,0.127]
1/1 [=====] - 0s 90ms/step
>4737, dr[0.545,0.668], df[0.651,0.225], g[1.449,0.110]
1/1 [=====] - 0s 103ms/step
>4738, dr[0.487,0.264], df[0.417,0.154], g[1.516,0.071]
1/1 [=====] - 0s 104ms/step
>4739, dr[0.446,0.492], df[0.506,0.122], g[1.571,0.164]
1/1 [=====] - 0s 114ms/step
>4740, dr[0.474,0.437], df[0.476,0.061], g[1.315,0.157]
1/1 [=====] - 0s 98ms/step
>4741, dr[0.640,0.436], df[0.579,0.161], g[1.488,0.091]
1/1 [=====] - 0s 91ms/step
>4742, dr[0.303,0.332], df[0.437,0.281], g[1.313,0.080]
1/1 [=====] - 0s 108ms/step
>4743, dr[0.475,0.999], df[0.738,0.188], g[1.509,0.111]
1/1 [=====] - 0s 96ms/step
>4744, dr[0.596,0.561], df[0.418,0.082], g[1.502,0.117]
1/1 [=====] - 0s 91ms/step
>4745, dr[0.489,0.563], df[0.619,0.152], g[1.570,0.035]
1/1 [=====] - 0s 88ms/step
>4746, dr[0.583,0.354], df[0.372,0.221], g[1.341,0.110]
1/1 [=====] - 0s 101ms/step
>4747, dr[0.482,0.547], df[0.521,0.209], g[1.211,0.124]
1/1 [=====] - 0s 87ms/step
>4748, dr[0.569,0.725], df[0.584,0.165], g[1.619,0.065]
1/1 [=====] - 0s 88ms/step
>4749, dr[0.622,0.833], df[0.579,0.194], g[1.414,0.199]
1/1 [=====] - 0s 92ms/step
>4750, dr[0.321,0.503], df[0.415,0.052], g[1.241,0.157]
1/1 [=====] - 0s 87ms/step
>4751, dr[0.559,0.937], df[0.531,0.244], g[1.417,0.200]
1/1 [=====] - 0s 112ms/step
>4752, dr[0.448,0.748], df[0.800,0.121], g[1.571,0.113]
1/1 [=====] - 0s 101ms/step
>4753, dr[0.482,0.640], df[0.386,0.138], g[1.411,0.146]
1/1 [=====] - 0s 93ms/step
>4754, dr[0.461,0.489], df[0.491,0.109], g[1.430,0.083]
1/1 [=====] - 0s 83ms/step
>4755, dr[0.443,0.485], df[0.481,0.141], g[1.727,0.133]
1/1 [=====] - 0s 93ms/step
>4756, dr[0.358,0.703], df[0.536,0.110], g[1.746,0.092]
1/1 [=====] - 0s 84ms/step
>4757, dr[0.933,0.842], df[0.561,0.142], g[1.568,0.204]
1/1 [=====] - 0s 94ms/step
>4758, dr[0.480,0.569], df[0.608,0.218], g[1.485,0.099]
1/1 [=====] - 0s 91ms/step
>4759, dr[0.483,0.567], df[0.448,0.062], g[1.751,0.146]
1/1 [=====] - 0s 82ms/step
```

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>4760, dr[0.734,0.438], df[0.361,0.057], g[1.304,0.124]
1/1 [=====] - 0s 85ms/step
>4761, dr[0.467,0.743], df[0.563,0.175], g[1.291,0.142]
1/1 [=====] - 0s 102ms/step
>4762, dr[0.369,0.387], df[0.555,0.207], g[1.451,0.134]
1/1 [=====] - 0s 91ms/step
>4763, dr[0.518,1.242], df[0.517,0.076], g[1.544,0.097]
1/1 [=====] - 0s 86ms/step
>4764, dr[0.493,0.517], df[0.553,0.098], g[1.433,0.062]
1/1 [=====] - 0s 424ms/step
>4765, dr[0.505,0.318], df[0.563,0.076], g[1.419,0.089]
1/1 [=====] - 0s 100ms/step
>4766, dr[0.596,0.519], df[0.533,0.064], g[1.540,0.113]
1/1 [=====] - 0s 130ms/step
>4767, dr[0.357,0.297], df[0.439,0.077], g[1.674,0.107]
1/1 [=====] - 0s 107ms/step
>4768, dr[0.410,0.293], df[0.469,0.036], g[1.638,0.127]
1/1 [=====] - 0s 89ms/step
>4769, dr[0.695,0.488], df[0.402,0.023], g[1.396,0.090]
1/1 [=====] - 0s 84ms/step
>4770, dr[0.593,0.421], df[0.647,0.116], g[1.622,0.089]
1/1 [=====] - 0s 89ms/step
>4771, dr[0.485,0.503], df[0.418,0.136], g[1.410,0.182]
1/1 [=====] - 0s 87ms/step
>4772, dr[0.444,1.049], df[0.661,0.053], g[1.580,0.078]
1/1 [=====] - 0s 83ms/step
>4773, dr[0.528,0.427], df[0.462,0.084], g[1.592,0.117]
1/1 [=====] - 0s 94ms/step
>4774, dr[0.489,0.360], df[0.304,0.156], g[1.447,0.069]
1/1 [=====] - 0s 87ms/step
>4775, dr[0.585,0.830], df[0.546,0.077], g[1.250,0.175]
1/1 [=====] - 0s 92ms/step
>4776, dr[0.509,0.538], df[0.742,0.095], g[1.536,0.072]
1/1 [=====] - 0s 122ms/step
>4777, dr[0.481,0.553], df[0.436,0.133], g[1.813,0.156]
1/1 [=====] - 0s 108ms/step
>4778, dr[0.469,0.519], df[0.512,0.077], g[1.316,0.207]
1/1 [=====] - 0s 98ms/step
>4779, dr[0.662,0.548], df[0.524,0.256], g[1.488,0.217]
1/1 [=====] - 0s 96ms/step
>4780, dr[0.412,0.628], df[0.647,0.104], g[1.410,0.095]
1/1 [=====] - 0s 96ms/step
>4781, dr[0.632,0.846], df[0.529,0.157], g[1.547,0.111]
1/1 [=====] - 0s 97ms/step
>4782, dr[0.557,0.462], df[0.546,0.067], g[1.615,0.098]
1/1 [=====] - 0s 96ms/step
>4783, dr[0.568,0.579], df[0.502,0.326], g[1.374,0.074]
1/1 [=====] - 0s 92ms/step
>4784, dr[0.456,1.056], df[0.542,0.302], g[1.201,0.268]
1/1 [=====] - 0s 88ms/step
>4785, dr[0.647,0.875], df[0.308,0.096], g[1.239,0.073]
1/1 [=====] - 0s 93ms/step
>4786, dr[0.497,0.114], df[0.543,0.078], g[1.099,0.118]
1/1 [=====] - 0s 96ms/step
>4787, dr[0.737,0.370], df[0.581,0.071], g[1.260,0.059]
1/1 [=====] - 0s 90ms/step
>4788, dr[0.440,0.357], df[0.598,0.079], g[1.311,0.141]
1/1 [=====] - 0s 91ms/step
>4789, dr[0.676,0.586], df[0.694,0.121], g[1.247,0.159]
1/1 [=====] - 0s 90ms/step
```

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>4790, dr[0.524,0.418], df[0.555,0.220], g[1.544,0.123]
1/1 [=====] - 0s 89ms/step
>4791, dr[0.544,0.449], df[0.655,0.155], g[1.544,0.082]
1/1 [=====] - 0s 84ms/step
>4792, dr[0.711,1.767], df[0.477,0.128], g[1.440,0.185]
1/1 [=====] - 0s 101ms/step
>4793, dr[0.489,0.453], df[0.411,0.253], g[1.673,0.088]
1/1 [=====] - 0s 105ms/step
>4794, dr[0.348,0.761], df[0.405,0.064], g[1.586,0.188]
1/1 [=====] - 0s 91ms/step
>4795, dr[0.460,1.094], df[0.616,0.112], g[1.599,0.078]
1/1 [=====] - 0s 96ms/step
>4796, dr[0.470,0.430], df[0.434,0.131], g[1.586,0.088]
1/1 [=====] - 0s 85ms/step
>4797, dr[0.499,0.834], df[0.392,0.159], g[1.478,0.150]
1/1 [=====] - 0s 100ms/step
>4798, dr[0.706,0.342], df[0.680,0.087], g[1.431,0.139]
1/1 [=====] - 0s 105ms/step
>4799, dr[0.496,0.659], df[0.592,0.139], g[1.296,0.150]
1/1 [=====] - 0s 93ms/step
>4800, dr[0.596,0.982], df[0.685,0.075], g[1.485,0.193]
1/1 [=====] - 0s 89ms/step
>4801, dr[0.411,0.445], df[0.577,0.104], g[1.579,0.117]
1/1 [=====] - 0s 94ms/step
>4802, dr[0.561,0.328], df[0.469,0.104], g[1.683,0.147]
1/1 [=====] - 0s 84ms/step
>4803, dr[0.710,0.500], df[0.505,0.067], g[1.438,0.077]
1/1 [=====] - 0s 115ms/step
>4804, dr[0.388,0.529], df[0.451,0.042], g[1.572,0.095]
1/1 [=====] - 0s 97ms/step
>4805, dr[0.492,0.714], df[0.547,0.101], g[1.418,0.075]
1/1 [=====] - 0s 110ms/step
>4806, dr[0.493,0.555], df[0.461,0.087], g[1.354,0.074]
1/1 [=====] - 0s 110ms/step
>4807, dr[0.444,0.477], df[0.581,0.097], g[1.738,0.133]
1/1 [=====] - 0s 103ms/step
>4808, dr[0.467,0.601], df[0.720,0.190], g[1.667,0.200]
1/1 [=====] - 0s 128ms/step
>4809, dr[0.733,0.593], df[0.392,0.061], g[1.571,0.082]
1/1 [=====] - 0s 116ms/step
>4810, dr[0.459,0.559], df[0.429,0.134], g[1.721,0.079]
1/1 [=====] - 0s 139ms/step
>4811, dr[0.357,0.484], df[0.371,0.045], g[1.351,0.103]
1/1 [=====] - 0s 106ms/step
>4812, dr[0.535,0.611], df[0.716,0.280], g[1.472,0.118]
1/1 [=====] - 0s 113ms/step
>4813, dr[0.735,0.756], df[0.535,0.078], g[1.227,0.075]
1/1 [=====] - 0s 103ms/step
>4814, dr[0.460,0.447], df[0.711,0.188], g[1.514,0.164]
1/1 [=====] - 0s 98ms/step
>4815, dr[0.498,0.927], df[0.361,0.065], g[1.707,0.055]
1/1 [=====] - 0s 114ms/step
>4816, dr[0.372,0.363], df[0.572,0.110], g[1.443,0.023]
1/1 [=====] - 0s 111ms/step
>4817, dr[0.712,0.674], df[0.423,0.129], g[1.526,0.131]
1/1 [=====] - 0s 121ms/step
>4818, dr[0.691,0.966], df[0.532,0.134], g[1.386,0.211]
1/1 [=====] - 0s 92ms/step
>4819, dr[0.369,0.440], df[0.422,0.132], g[1.264,0.250]
1/1 [=====] - 0s 141ms/step
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>4820, dr[0.506,0.748], df[0.443,0.095], g[1.627,0.120]
1/1 [=====] - 0s 120ms/step
>4821, dr[0.289,0.650], df[0.374,0.207], g[1.565,0.112]
1/1 [=====] - 0s 104ms/step
>4822, dr[0.717,0.473], df[0.413,0.164], g[1.246,0.151]
1/1 [=====] - 0s 101ms/step
>4823, dr[0.570,0.308], df[0.637,0.065], g[1.235,0.124]
1/1 [=====] - 0s 108ms/step
>4824, dr[0.646,0.525], df[0.698,0.168], g[1.492,0.156]
1/1 [=====] - 0s 93ms/step
>4825, dr[0.426,0.537], df[0.642,0.118], g[1.654,0.148]
1/1 [=====] - 0s 122ms/step
>4826, dr[0.508,0.367], df[0.375,0.216], g[1.252,0.162]
1/1 [=====] - 0s 109ms/step
>4827, dr[0.675,1.014], df[0.411,0.254], g[1.452,0.103]
1/1 [=====] - 0s 118ms/step
>4828, dr[0.550,0.398], df[0.666,0.111], g[1.221,0.109]
1/1 [=====] - 0s 96ms/step
>4829, dr[0.416,0.373], df[0.728,0.148], g[1.352,0.175]
1/1 [=====] - 0s 96ms/step
>4830, dr[0.567,0.569], df[0.462,0.205], g[1.858,0.185]
1/1 [=====] - 0s 108ms/step
>4831, dr[0.737,0.477], df[0.580,0.089], g[1.658,0.173]
1/1 [=====] - 0s 102ms/step
>4832, dr[0.704,0.620], df[0.433,0.131], g[1.512,0.119]
1/1 [=====] - 0s 97ms/step
>4833, dr[0.391,0.890], df[0.707,0.120], g[1.122,0.159]
1/1 [=====] - 0s 105ms/step
>4834, dr[0.534,0.736], df[0.320,0.086], g[1.193,0.122]
1/1 [=====] - 0s 113ms/step
>4835, dr[0.631,0.780], df[0.433,0.076], g[1.427,0.117]
1/1 [=====] - 0s 102ms/step
>4836, dr[0.416,0.350], df[0.746,0.141], g[1.621,0.126]
1/1 [=====] - 0s 103ms/step
>4837, dr[0.640,0.967], df[0.428,0.203], g[1.751,0.137]
1/1 [=====] - 0s 178ms/step
>4838, dr[0.448,0.762], df[0.423,0.121], g[1.495,0.151]
1/1 [=====] - 0s 125ms/step
>4839, dr[0.407,0.756], df[0.566,0.092], g[1.512,0.161]
1/1 [=====] - 0s 129ms/step
>4840, dr[0.503,0.272], df[0.345,0.062], g[1.456,0.100]
1/1 [=====] - 0s 106ms/step
>4841, dr[0.327,0.342], df[0.471,0.101], g[1.476,0.059]
1/1 [=====] - 0s 184ms/step
>4842, dr[0.599,0.460], df[0.373,0.115], g[1.534,0.151]
1/1 [=====] - 0s 116ms/step
>4843, dr[0.469,0.448], df[0.475,0.057], g[1.543,0.101]
1/1 [=====] - 0s 169ms/step
>4844, dr[0.352,0.274], df[0.687,0.075], g[1.531,0.082]
1/1 [=====] - 0s 108ms/step
>4845, dr[0.444,0.224], df[0.713,0.192], g[1.483,0.137]
1/1 [=====] - 0s 128ms/step
>4846, dr[0.497,0.595], df[0.434,0.127], g[1.405,0.082]
1/1 [=====] - 0s 133ms/step
>4847, dr[0.571,0.247], df[0.613,0.070], g[1.811,0.128]
1/1 [=====] - 0s 120ms/step
>4848, dr[0.618,0.782], df[0.596,0.106], g[1.408,0.097]
1/1 [=====] - 0s 87ms/step
>4849, dr[0.792,0.595], df[0.575,0.141], g[1.488,0.049]
1/1 [=====] - 0s 98ms/step
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>4850, dr[0.409,0.389], df[0.606,0.189], g[1.650,0.040]
1/1 [=====] - 0s 159ms/step
>4851, dr[0.558,0.393], df[0.416,0.156], g[1.735,0.073]
1/1 [=====] - 0s 92ms/step
>4852, dr[0.902,0.669], df[0.555,0.077], g[1.517,0.156]
1/1 [=====] - 0s 112ms/step
>4853, dr[0.403,0.297], df[0.717,0.203], g[1.470,0.162]
1/1 [=====] - 0s 106ms/step
>4854, dr[0.448,0.355], df[0.336,0.102], g[1.702,0.069]
1/1 [=====] - 0s 97ms/step
>4855, dr[0.453,0.441], df[0.489,0.130], g[1.695,0.179]
1/1 [=====] - 0s 106ms/step
>4856, dr[0.677,0.572], df[0.663,0.151], g[1.436,0.134]
1/1 [=====] - 0s 88ms/step
>4857, dr[0.692,0.752], df[0.623,0.060], g[1.438,0.172]
1/1 [=====] - 0s 87ms/step
>4858, dr[0.517,0.669], df[0.465,0.053], g[1.504,0.140]
1/1 [=====] - 0s 91ms/step
>4859, dr[0.526,0.215], df[0.448,0.177], g[1.256,0.126]
1/1 [=====] - 0s 101ms/step
>4860, dr[0.552,0.500], df[0.543,0.077], g[1.441,0.103]
1/1 [=====] - 0s 91ms/step
>4861, dr[0.417,0.665], df[0.405,0.056], g[1.560,0.124]
1/1 [=====] - 0s 86ms/step
>4862, dr[0.447,0.414], df[0.549,0.094], g[1.484,0.108]
1/1 [=====] - 0s 113ms/step
>4863, dr[0.645,0.703], df[0.392,0.138], g[1.374,0.092]
1/1 [=====] - 0s 97ms/step
>4864, dr[0.383,0.478], df[0.500,0.074], g[1.166,0.136]
1/1 [=====] - 0s 108ms/step
>4865, dr[0.501,0.808], df[0.638,0.224], g[1.491,0.091]
1/1 [=====] - 0s 158ms/step
>4866, dr[0.539,0.681], df[0.617,0.078], g[1.743,0.110]
1/1 [=====] - 0s 95ms/step
>4867, dr[0.633,0.605], df[0.394,0.072], g[1.512,0.046]
1/1 [=====] - 0s 104ms/step
>4868, dr[0.305,0.655], df[0.477,0.244], g[1.407,0.150]
1/1 [=====] - 0s 112ms/step
>4869, dr[0.397,0.474], df[0.394,0.113], g[1.338,0.059]
1/1 [=====] - 0s 142ms/step
>4870, dr[0.564,0.718], df[0.409,0.084], g[1.358,0.100]
1/1 [=====] - 0s 109ms/step
>4871, dr[0.406,0.544], df[0.506,0.136], g[1.433,0.102]
1/1 [=====] - 0s 125ms/step
>4872, dr[0.459,0.413], df[0.438,0.098], g[1.399,0.091]
1/1 [=====] - 0s 122ms/step
>4873, dr[0.448,0.568], df[0.397,0.558], g[1.593,0.172]
1/1 [=====] - 0s 131ms/step
>4874, dr[0.453,0.636], df[0.376,0.058], g[1.369,0.062]
1/1 [=====] - 0s 163ms/step
>4875, dr[0.645,0.504], df[0.492,0.173], g[1.275,0.126]
1/1 [=====] - 0s 171ms/step
>4876, dr[0.461,0.439], df[0.389,0.080], g[1.370,0.114]
1/1 [=====] - 0s 145ms/step
>4877, dr[0.699,0.252], df[0.606,0.116], g[1.102,0.087]
1/1 [=====] - 0s 303ms/step
>4878, dr[0.363,0.434], df[0.724,0.123], g[1.466,0.095]
1/1 [=====] - 0s 143ms/step
>4879, dr[0.444,0.720], df[0.373,0.069], g[1.765,0.069]
1/1 [=====] - 0s 127ms/step
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>4880, dr[0.314,0.349], df[0.487,0.091], g[1.957,0.076]
1/1 [=====] - 0s 150ms/step
>4881, dr[0.846,0.497], df[0.514,0.038], g[1.535,0.128]
1/1 [=====] - 0s 108ms/step
>4882, dr[0.551,0.770], df[0.476,0.158], g[1.448,0.044]
1/1 [=====] - 0s 131ms/step
>4883, dr[0.500,0.696], df[0.675,0.037], g[1.521,0.074]
1/1 [=====] - 0s 115ms/step
>4884, dr[0.637,0.605], df[0.583,0.078], g[1.547,0.101]
1/1 [=====] - 0s 166ms/step
>4885, dr[0.456,0.830], df[0.641,0.137], g[1.256,0.134]
1/1 [=====] - 0s 134ms/step
>4886, dr[0.516,0.775], df[0.492,0.054], g[1.301,0.075]
1/1 [=====] - 0s 108ms/step
>4887, dr[0.321,0.301], df[0.442,0.043], g[1.094,0.246]
1/1 [=====] - 0s 114ms/step
>4888, dr[0.447,0.191], df[0.425,0.303], g[1.425,0.091]
1/1 [=====] - 0s 103ms/step
>4889, dr[0.462,0.445], df[0.524,0.128], g[1.111,0.136]
1/1 [=====] - 0s 111ms/step
>4890, dr[0.550,0.660], df[0.672,0.253], g[1.336,0.095]
1/1 [=====] - 0s 128ms/step
>4891, dr[0.883,0.391], df[0.365,0.034], g[1.214,0.089]
1/1 [=====] - 0s 100ms/step
>4892, dr[0.536,0.272], df[0.881,0.108], g[1.173,0.198]
1/1 [=====] - 0s 145ms/step
>4893, dr[0.514,0.585], df[0.672,0.088], g[1.360,0.081]
1/1 [=====] - 1s 620ms/step
>4894, dr[0.400,0.344], df[0.510,0.145], g[1.467,0.059]
1/1 [=====] - 0s 137ms/step
>4895, dr[0.427,0.446], df[0.451,0.198], g[1.479,0.032]
1/1 [=====] - 0s 104ms/step
>4896, dr[0.596,0.419], df[0.472,0.165], g[1.877,0.058]
1/1 [=====] - 0s 106ms/step
>4897, dr[0.500,0.720], df[0.378,0.093], g[1.544,0.046]
1/1 [=====] - 0s 104ms/step
>4898, dr[0.472,0.795], df[0.826,0.070], g[1.718,0.161]
1/1 [=====] - 0s 98ms/step
>4899, dr[0.539,1.031], df[0.326,0.046], g[1.415,0.105]
1/1 [=====] - 0s 109ms/step
>4900, dr[0.542,0.385], df[0.649,0.251], g[1.359,0.089]
1/1 [=====] - 0s 108ms/step
>4901, dr[0.516,0.544], df[0.438,0.105], g[1.324,0.100]
1/1 [=====] - 0s 90ms/step
>4902, dr[0.343,0.611], df[0.679,0.085], g[1.650,0.042]
1/1 [=====] - 0s 98ms/step
>4903, dr[0.497,0.700], df[0.367,0.268], g[1.239,0.133]
1/1 [=====] - 0s 88ms/step
>4904, dr[0.541,0.521], df[0.338,0.084], g[1.517,0.065]
1/1 [=====] - 0s 92ms/step
>4905, dr[0.620,0.261], df[0.647,0.203], g[1.461,0.102]
1/1 [=====] - 0s 108ms/step
>4906, dr[0.672,0.694], df[0.574,0.095], g[1.723,0.093]
1/1 [=====] - 0s 87ms/step
>4907, dr[0.455,0.540], df[0.395,0.021], g[1.753,0.137]
1/1 [=====] - 0s 89ms/step
>4908, dr[0.463,0.525], df[0.652,0.138], g[1.743,0.093]
1/1 [=====] - 0s 89ms/step
>4909, dr[0.673,0.468], df[0.426,0.123], g[1.349,0.159]
1/1 [=====] - 0s 91ms/step
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>4910, dr[0.422,0.920], df[0.751,0.161], g[1.827,0.043]
1/1 [=====] - 0s 91ms/step
>4911, dr[0.580,0.308], df[0.497,0.057], g[1.791,0.037]
1/1 [=====] - 0s 115ms/step
>4912, dr[0.483,0.613], df[0.324,0.092], g[1.569,0.081]
1/1 [=====] - 0s 103ms/step
>4913, dr[0.615,0.694], df[0.565,0.195], g[1.504,0.086]
1/1 [=====] - 0s 93ms/step
>4914, dr[0.304,0.634], df[0.711,0.063], g[1.444,0.119]
1/1 [=====] - 0s 104ms/step
>4915, dr[0.553,0.973], df[0.444,0.145], g[1.399,0.101]
1/1 [=====] - 0s 111ms/step
>4916, dr[0.432,0.572], df[0.588,0.220], g[1.717,0.108]
1/1 [=====] - 0s 96ms/step
>4917, dr[0.569,0.445], df[0.488,0.121], g[1.651,0.113]
1/1 [=====] - 0s 93ms/step
>4918, dr[0.545,0.443], df[0.601,0.155], g[1.556,0.082]
1/1 [=====] - 0s 86ms/step
>4919, dr[0.463,0.342], df[0.538,0.108], g[1.707,0.112]
1/1 [=====] - 0s 97ms/step
>4920, dr[0.600,0.686], df[0.619,0.073], g[1.671,0.165]
1/1 [=====] - 0s 103ms/step
>4921, dr[0.582,0.528], df[0.509,0.325], g[1.404,0.059]
1/1 [=====] - 0s 94ms/step
>4922, dr[0.357,0.584], df[0.554,0.153], g[1.589,0.110]
1/1 [=====] - 0s 92ms/step
>4923, dr[0.672,0.387], df[0.668,0.062], g[1.409,0.097]
1/1 [=====] - 0s 99ms/step
>4924, dr[0.620,0.671], df[0.491,0.176], g[1.623,0.136]
1/1 [=====] - 0s 88ms/step
>4925, dr[0.708,0.671], df[0.564,0.067], g[1.406,0.199]
1/1 [=====] - 0s 104ms/step
>4926, dr[0.394,0.331], df[0.589,0.226], g[1.414,0.245]
1/1 [=====] - 0s 99ms/step
>4927, dr[0.700,0.391], df[0.554,0.235], g[1.539,0.066]
1/1 [=====] - 0s 92ms/step
>4928, dr[0.414,0.511], df[0.578,0.110], g[1.547,0.093]
1/1 [=====] - 0s 98ms/step
>4929, dr[0.454,0.284], df[0.477,0.072], g[1.562,0.108]
1/1 [=====] - 0s 94ms/step
>4930, dr[0.443,0.620], df[0.613,0.165], g[1.738,0.121]
1/1 [=====] - 0s 112ms/step
>4931, dr[0.667,0.794], df[0.594,0.059], g[1.334,0.144]
1/1 [=====] - 0s 98ms/step
>4932, dr[0.507,0.403], df[0.602,0.131], g[1.647,0.124]
1/1 [=====] - 0s 83ms/step
>4933, dr[0.549,0.326], df[0.510,0.174], g[1.430,0.057]
1/1 [=====] - 0s 109ms/step
>4934, dr[0.352,0.563], df[0.606,0.190], g[1.463,0.118]
1/1 [=====] - 0s 112ms/step
>4935, dr[0.441,0.367], df[0.368,0.093], g[1.640,0.111]
1/1 [=====] - 0s 94ms/step
>4936, dr[0.521,1.041], df[0.450,0.109], g[1.599,0.182]
1/1 [=====] - 0s 88ms/step
>4937, dr[0.789,0.611], df[0.696,0.130], g[1.596,0.181]
1/1 [=====] - 0s 93ms/step
>4938, dr[0.390,0.942], df[0.387,0.091], g[1.313,0.146]
1/1 [=====] - 0s 95ms/step
>4939, dr[0.390,0.457], df[0.503,0.112], g[1.460,0.106]
1/1 [=====] - 0s 99ms/step
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>4940, dr[0.383,0.552], df[0.597,0.233], g[1.475,0.083]
1/1 [=====] - 0s 85ms/step
>4941, dr[0.649,0.674], df[0.744,0.022], g[1.780,0.057]
1/1 [=====] - 0s 93ms/step
>4942, dr[0.642,0.678], df[0.602,0.074], g[1.738,0.100]
1/1 [=====] - 0s 91ms/step
>4943, dr[0.505,0.368], df[0.446,0.275], g[1.663,0.072]
1/1 [=====] - 0s 97ms/step
>4944, dr[0.623,0.814], df[0.448,0.092], g[1.287,0.136]
1/1 [=====] - 0s 113ms/step
>4945, dr[0.473,0.596], df[0.577,0.136], g[1.502,0.079]
1/1 [=====] - 0s 92ms/step
>4946, dr[0.728,0.446], df[0.521,0.120], g[1.103,0.095]
1/1 [=====] - 0s 91ms/step
>4947, dr[0.333,0.378], df[0.442,0.132], g[1.366,0.130]
1/1 [=====] - 0s 98ms/step
>4948, dr[0.382,0.403], df[0.615,0.152], g[1.318,0.115]
1/1 [=====] - 0s 113ms/step
>4949, dr[0.545,0.365], df[0.429,0.120], g[1.330,0.127]
1/1 [=====] - 0s 94ms/step
>4950, dr[0.480,0.894], df[0.699,0.056], g[1.347,0.140]
1/1 [=====] - 0s 97ms/step
>4951, dr[0.383,0.675], df[0.422,0.181], g[1.607,0.170]
1/1 [=====] - 0s 95ms/step
>4952, dr[0.666,0.459], df[0.427,0.050], g[1.624,0.162]
1/1 [=====] - 0s 99ms/step
>4953, dr[0.451,0.623], df[0.485,0.029], g[1.413,0.146]
1/1 [=====] - 0s 85ms/step
>4954, dr[0.504,0.363], df[0.496,0.094], g[1.224,0.075]
1/1 [=====] - 0s 110ms/step
>4955, dr[0.479,0.245], df[0.577,0.066], g[1.245,0.112]
1/1 [=====] - 0s 96ms/step
>4956, dr[0.609,0.238], df[0.649,0.040], g[1.586,0.060]
1/1 [=====] - 0s 92ms/step
>4957, dr[0.431,0.580], df[0.458,0.027], g[1.734,0.059]
1/1 [=====] - 0s 103ms/step
>4958, dr[0.515,0.388], df[0.343,0.066], g[1.705,0.089]
1/1 [=====] - 0s 86ms/step
>4959, dr[0.842,0.407], df[0.452,0.062], g[1.410,0.049]
1/1 [=====] - 0s 88ms/step
>4960, dr[0.343,0.353], df[0.461,0.033], g[1.354,0.144]
1/1 [=====] - 0s 96ms/step
>4961, dr[0.587,0.839], df[0.530,0.161], g[0.892,0.100]
1/1 [=====] - 0s 94ms/step
>4962, dr[0.300,0.460], df[0.705,0.351], g[1.206,0.073]
1/1 [=====] - 0s 93ms/step
>4963, dr[0.519,0.544], df[0.415,0.082], g[1.475,0.122]
1/1 [=====] - 0s 92ms/step
>4964, dr[0.615,0.570], df[0.479,0.050], g[1.961,0.120]
1/1 [=====] - 0s 90ms/step
>4965, dr[0.369,0.622], df[0.434,0.093], g[1.562,0.098]
1/1 [=====] - 0s 89ms/step
>4966, dr[0.448,0.700], df[0.613,0.115], g[1.288,0.129]
1/1 [=====] - 0s 99ms/step
>4967, dr[0.609,0.256], df[0.585,0.068], g[1.719,0.176]
1/1 [=====] - 0s 97ms/step
>4968, dr[0.548,0.519], df[0.579,0.165], g[1.666,0.074]
1/1 [=====] - 0s 85ms/step
>4969, dr[0.594,0.355], df[0.466,0.150], g[1.156,0.157]
1/1 [=====] - 0s 92ms/step
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>4970, dr[0.452,0.779], df[0.613,0.052], g[1.385,0.081]
1/1 [=====] - 0s 117ms/step
>4971, dr[0.519,0.711], df[0.545,0.368], g[1.370,0.088]
1/1 [=====] - 0s 97ms/step
>4972, dr[0.296,0.652], df[0.662,0.084], g[1.511,0.099]
1/1 [=====] - 0s 89ms/step
>4973, dr[0.336,0.480], df[0.358,0.205], g[1.773,0.145]
1/1 [=====] - 0s 94ms/step
>4974, dr[0.747,0.545], df[0.439,0.120], g[1.442,0.053]
1/1 [=====] - 0s 90ms/step
>4975, dr[0.441,0.443], df[0.272,0.134], g[1.028,0.101]
1/1 [=====] - 0s 85ms/step
>4976, dr[0.378,0.558], df[0.567,0.030], g[1.176,0.117]
1/1 [=====] - 0s 89ms/step
>4977, dr[0.367,0.414], df[0.594,0.065], g[1.502,0.078]
1/1 [=====] - 0s 92ms/step
>4978, dr[0.475,0.901], df[0.405,0.057], g[1.397,0.122]
1/1 [=====] - 0s 92ms/step
>4979, dr[0.448,0.580], df[0.433,0.074], g[1.378,0.070]
1/1 [=====] - 0s 99ms/step
>4980, dr[0.544,0.674], df[0.678,0.111], g[1.749,0.092]
1/1 [=====] - 0s 99ms/step
>4981, dr[0.515,0.610], df[0.428,0.198], g[1.539,0.181]
1/1 [=====] - 0s 98ms/step
>4982, dr[0.519,0.549], df[0.517,0.180], g[1.570,0.051]
1/1 [=====] - 0s 100ms/step
>4983, dr[0.651,0.449], df[0.659,0.038], g[1.423,0.069]
1/1 [=====] - 0s 83ms/step
>4984, dr[0.483,0.435], df[0.543,0.100], g[1.378,0.136]
1/1 [=====] - 0s 93ms/step
>4985, dr[0.433,0.289], df[0.451,0.119], g[1.297,0.287]
1/1 [=====] - 0s 105ms/step
>4986, dr[0.394,0.392], df[0.435,0.067], g[1.677,0.083]
1/1 [=====] - 0s 86ms/step
>4987, dr[0.533,0.807], df[0.472,0.252], g[1.778,0.082]
1/1 [=====] - 0s 95ms/step
>4988, dr[0.430,0.468], df[0.280,0.148], g[1.551,0.088]
1/1 [=====] - 0s 98ms/step
>4989, dr[0.498,0.860], df[0.451,0.088], g[1.538,0.086]
1/1 [=====] - 0s 93ms/step
>4990, dr[0.816,0.644], df[0.458,0.090], g[1.240,0.150]
1/1 [=====] - 0s 86ms/step
>4991, dr[0.424,0.733], df[0.415,0.110], g[1.152,0.063]
1/1 [=====] - 0s 104ms/step
>4992, dr[0.406,0.715], df[0.557,0.030], g[0.928,0.076]
1/1 [=====] - 0s 88ms/step
>4993, dr[0.250,0.389], df[0.494,0.041], g[1.332,0.074]
1/1 [=====] - 0s 93ms/step
>4994, dr[0.475,0.402], df[0.461,0.079], g[1.614,0.161]
1/1 [=====] - 0s 102ms/step
>4995, dr[0.613,0.421], df[0.642,0.081], g[1.653,0.099]
1/1 [=====] - 0s 93ms/step
>4996, dr[0.448,0.679], df[0.543,0.064], g[1.658,0.130]
1/1 [=====] - 0s 98ms/step
>4997, dr[0.407,0.539], df[0.351,0.149], g[1.570,0.086]
1/1 [=====] - 0s 107ms/step
>4998, dr[0.774,0.327], df[0.434,0.295], g[1.432,0.098]
1/1 [=====] - 0s 93ms/step
>4999, dr[0.453,0.748], df[0.389,0.084], g[1.284,0.181]
1/1 [=====] - 0s 88ms/step
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>5000, dr[0.371,0.428], df[0.559,0.067], g[1.503,0.099]
1/1 [=====] - 0s 96ms/step
>5001, dr[0.392,0.607], df[0.434,0.138], g[1.337,0.078]
1/1 [=====] - 0s 115ms/step
>5002, dr[0.431,0.597], df[0.498,0.054], g[1.696,0.076]
1/1 [=====] - 0s 92ms/step
>5003, dr[0.457,0.421], df[0.494,0.055], g[1.593,0.069]
1/1 [=====] - 0s 111ms/step
>5004, dr[0.552,0.694], df[0.569,0.103], g[1.490,0.081]
1/1 [=====] - 0s 95ms/step
>5005, dr[0.661,0.525], df[0.628,0.106], g[1.323,0.152]
1/1 [=====] - 0s 93ms/step
>5006, dr[0.581,0.474], df[0.593,0.084], g[1.250,0.165]
1/1 [=====] - 0s 101ms/step
>5007, dr[0.562,0.617], df[0.606,0.201], g[1.440,0.155]
1/1 [=====] - 0s 98ms/step
>5008, dr[0.465,0.792], df[0.559,0.038], g[1.565,0.141]
1/1 [=====] - 0s 118ms/step
>5009, dr[0.639,0.859], df[0.485,0.050], g[1.440,0.048]
1/1 [=====] - 0s 100ms/step
>5010, dr[0.515,0.683], df[0.549,0.181], g[1.489,0.189]
1/1 [=====] - 0s 96ms/step
>5011, dr[0.489,0.608], df[0.409,0.098], g[1.164,0.073]
1/1 [=====] - 0s 102ms/step
>5012, dr[0.539,0.271], df[0.679,0.201], g[1.367,0.086]
1/1 [=====] - 0s 96ms/step
>5013, dr[0.379,0.263], df[0.658,0.108], g[1.498,0.054]
1/1 [=====] - 0s 104ms/step
>5014, dr[0.621,0.589], df[0.461,0.061], g[1.497,0.056]
1/1 [=====] - 0s 112ms/step
>5015, dr[0.613,0.704], df[0.459,0.264], g[1.532,0.108]
1/1 [=====] - 0s 155ms/step
>5016, dr[0.447,1.322], df[0.630,0.221], g[1.577,0.115]
1/1 [=====] - 0s 142ms/step
>5017, dr[0.603,0.795], df[0.495,0.117], g[1.489,0.146]
1/1 [=====] - 0s 184ms/step
>5018, dr[0.556,0.527], df[0.729,0.086], g[1.588,0.138]
1/1 [=====] - 0s 130ms/step
>5019, dr[0.405,0.868], df[0.547,0.145], g[1.476,0.064]
1/1 [=====] - 0s 108ms/step
>5020, dr[0.598,0.518], df[0.338,0.122], g[1.426,0.151]
1/1 [=====] - 0s 102ms/step
>5021, dr[0.610,0.804], df[0.663,0.167], g[1.503,0.111]
1/1 [=====] - 0s 141ms/step
>5022, dr[0.602,0.754], df[0.673,0.104], g[1.488,0.117]
1/1 [=====] - 0s 108ms/step
>5023, dr[0.690,0.979], df[0.657,0.131], g[1.175,0.122]
1/1 [=====] - 0s 139ms/step
>5024, dr[0.363,0.351], df[0.449,0.071], g[1.714,0.104]
1/1 [=====] - 0s 121ms/step
>5025, dr[0.447,0.604], df[0.426,0.040], g[1.310,0.161]
1/1 [=====] - 0s 117ms/step
>5026, dr[0.543,0.628], df[0.517,0.064], g[1.542,0.067]
1/1 [=====] - 0s 104ms/step
>5027, dr[0.438,0.335], df[0.528,0.086], g[1.297,0.081]
1/1 [=====] - 0s 98ms/step
>5028, dr[0.494,0.755], df[0.464,0.122], g[1.465,0.097]
1/1 [=====] - 0s 102ms/step
>5029, dr[0.542,0.447], df[0.413,0.159], g[1.400,0.121]
1/1 [=====] - 0s 102ms/step
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>5030, dr[0.429,0.798], df[0.545,0.105], g[1.419,0.144]
1/1 [=====] - 0s 86ms/step
>5031, dr[0.407,0.426], df[0.523,0.060], g[1.393,0.143]
1/1 [=====] - 0s 93ms/step
>5032, dr[0.532,1.017], df[0.639,0.123], g[1.629,0.123]
1/1 [=====] - 0s 131ms/step
>5033, dr[0.646,0.691], df[0.526,0.064], g[1.428,0.134]
1/1 [=====] - 0s 108ms/step
>5034, dr[0.444,0.949], df[0.632,0.172], g[1.618,0.112]
1/1 [=====] - 0s 106ms/step
>5035, dr[0.430,0.497], df[0.446,0.091], g[1.786,0.094]
1/1 [=====] - 0s 118ms/step
>5036, dr[0.670,0.411], df[0.394,0.044], g[1.430,0.101]
1/1 [=====] - 0s 96ms/step
>5037, dr[0.375,0.607], df[0.502,0.082], g[1.478,0.103]
1/1 [=====] - 0s 87ms/step
>5038, dr[0.490,0.610], df[0.673,0.145], g[1.373,0.166]
1/1 [=====] - 0s 103ms/step
>5039, dr[0.487,0.380], df[0.422,0.141], g[1.357,0.197]
1/1 [=====] - 0s 110ms/step
>5040, dr[0.498,0.485], df[0.648,0.138], g[1.609,0.178]
1/1 [=====] - 0s 105ms/step
>5041, dr[0.544,0.771], df[0.577,0.190], g[1.382,0.084]
1/1 [=====] - 0s 106ms/step
>5042, dr[0.804,0.441], df[0.523,0.070], g[1.523,0.115]
1/1 [=====] - 0s 93ms/step
>5043, dr[0.684,0.333], df[0.279,0.054], g[1.257,0.194]
1/1 [=====] - 0s 96ms/step
>5044, dr[0.691,0.357], df[0.931,0.122], g[1.358,0.145]
1/1 [=====] - 0s 87ms/step
>5045, dr[0.380,0.484], df[0.537,0.047], g[1.470,0.115]
1/1 [=====] - 0s 102ms/step
>5046, dr[0.392,0.429], df[0.465,0.069], g[1.424,0.125]
1/1 [=====] - 0s 96ms/step
>5047, dr[0.482,0.271], df[0.443,0.074], g[1.385,0.071]
1/1 [=====] - 0s 102ms/step
>5048, dr[0.804,0.433], df[0.582,0.137], g[1.632,0.239]
1/1 [=====] - 0s 89ms/step
>5049, dr[0.501,0.568], df[0.646,0.200], g[1.224,0.167]
1/1 [=====] - 0s 238ms/step
>5050, dr[0.485,0.665], df[0.482,0.095], g[1.688,0.140]
1/1 [=====] - 0s 110ms/step
>5051, dr[0.619,0.648], df[0.595,0.056], g[1.439,0.126]
1/1 [=====] - 0s 96ms/step
>5052, dr[0.600,0.683], df[0.551,0.058], g[1.395,0.147]
1/1 [=====] - 0s 95ms/step
>5053, dr[0.474,0.383], df[0.720,0.185], g[1.621,0.074]
1/1 [=====] - 0s 104ms/step
>5054, dr[0.511,0.326], df[0.526,0.100], g[1.413,0.115]
1/1 [=====] - 0s 101ms/step
>5055, dr[0.470,0.370], df[0.658,0.070], g[1.452,0.082]
1/1 [=====] - 0s 95ms/step
>5056, dr[0.626,0.438], df[0.503,0.111], g[1.603,0.088]
1/1 [=====] - 0s 92ms/step
>5057, dr[0.487,0.734], df[0.500,0.099], g[1.519,0.102]
1/1 [=====] - 0s 103ms/step
>5058, dr[0.361,0.376], df[0.664,0.049], g[1.533,0.070]
1/1 [=====] - 0s 130ms/step
>5059, dr[0.500,0.445], df[0.290,0.058], g[1.459,0.110]
1/1 [=====] - 0s 114ms/step
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>5060, dr[0.526,0.506], df[0.613,0.043], g[1.551,0.067]
1/1 [=====] - 0s 111ms/step
>5061, dr[0.618,0.317], df[0.455,0.054], g[1.461,0.138]
1/1 [=====] - 0s 97ms/step
>5062, dr[0.590,0.597], df[0.540,0.071], g[1.535,0.162]
1/1 [=====] - 0s 145ms/step
>5063, dr[0.788,0.521], df[0.580,0.077], g[1.213,0.164]
1/1 [=====] - 0s 169ms/step
>5064, dr[0.329,0.278], df[0.355,0.063], g[1.258,0.116]
1/1 [=====] - 0s 127ms/step
>5065, dr[0.378,0.731], df[0.503,0.407], g[1.276,0.041]
1/1 [=====] - 0s 127ms/step
>5066, dr[0.523,0.416], df[0.742,0.123], g[1.468,0.104]
1/1 [=====] - 0s 197ms/step
>5067, dr[0.450,0.577], df[0.646,0.137], g[1.459,0.119]
1/1 [=====] - 0s 197ms/step
>5068, dr[0.421,0.475], df[0.642,0.151], g[1.545,0.141]
1/1 [=====] - 0s 125ms/step
>5069, dr[0.714,0.444], df[0.534,0.129], g[1.502,0.092]
1/1 [=====] - 0s 105ms/step
>5070, dr[0.589,0.786], df[0.465,0.116], g[1.384,0.103]
1/1 [=====] - 0s 102ms/step
>5071, dr[0.541,0.601], df[0.396,0.163], g[1.615,0.056]
1/1 [=====] - 0s 106ms/step
>5072, dr[0.486,0.395], df[0.618,0.028], g[1.439,0.097]
1/1 [=====] - 0s 112ms/step
>5073, dr[0.440,0.477], df[0.475,0.079], g[1.487,0.118]
1/1 [=====] - 0s 121ms/step
>5074, dr[0.639,0.398], df[0.423,0.138], g[1.338,0.087]
1/1 [=====] - 0s 103ms/step
>5075, dr[0.818,0.617], df[0.737,0.058], g[1.128,0.154]
1/1 [=====] - 0s 96ms/step
>5076, dr[0.416,0.819], df[0.614,0.030], g[1.529,0.194]
1/1 [=====] - 0s 105ms/step
>5077, dr[0.421,0.796], df[0.481,0.033], g[1.355,0.088]
1/1 [=====] - 0s 108ms/step
>5078, dr[0.595,0.493], df[0.662,0.097], g[1.190,0.107]
1/1 [=====] - 0s 142ms/step
>5079, dr[0.520,0.631], df[0.733,0.179], g[1.798,0.093]
1/1 [=====] - 0s 102ms/step
>5080, dr[0.553,0.634], df[0.335,0.069], g[1.500,0.069]
1/1 [=====] - 0s 99ms/step
>5081, dr[0.414,0.588], df[0.529,0.119], g[1.686,0.127]
1/1 [=====] - 0s 117ms/step
>5082, dr[0.381,0.757], df[0.558,0.214], g[1.545,0.159]
1/1 [=====] - 0s 96ms/step
>5083, dr[0.574,0.442], df[0.482,0.140], g[1.729,0.138]
1/1 [=====] - 0s 98ms/step
>5084, dr[0.490,0.577], df[0.349,0.069], g[1.548,0.105]
1/1 [=====] - 0s 100ms/step
>5085, dr[0.503,0.492], df[0.550,0.118], g[1.511,0.163]
1/1 [=====] - 0s 100ms/step
>5086, dr[0.698,0.898], df[0.413,0.047], g[1.250,0.091]
1/1 [=====] - 0s 117ms/step
>5087, dr[0.406,1.155], df[0.593,0.060], g[1.133,0.094]
1/1 [=====] - 0s 92ms/step
>5088, dr[0.473,0.568], df[0.536,0.067], g[1.313,0.093]
1/1 [=====] - 0s 111ms/step
>5089, dr[0.458,0.574], df[0.720,0.131], g[1.415,0.098]
1/1 [=====] - 0s 92ms/step
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>5090, dr[0.636,0.276], df[0.783,0.063], g[1.436,0.063]
1/1 [=====] - 0s 92ms/step
>5091, dr[0.548,0.991], df[0.428,0.080], g[1.446,0.173]
1/1 [=====] - 0s 94ms/step
>5092, dr[0.605,0.778], df[0.761,0.163], g[1.587,0.061]
1/1 [=====] - 0s 95ms/step
>5093, dr[0.412,0.704], df[0.398,0.241], g[1.444,0.102]
1/1 [=====] - 0s 100ms/step
>5094, dr[0.486,0.343], df[0.651,0.112], g[1.661,0.175]
1/1 [=====] - 0s 98ms/step
>5095, dr[0.527,0.656], df[0.370,0.057], g[1.386,0.137]
1/1 [=====] - 0s 100ms/step
>5096, dr[0.616,0.498], df[0.550,0.089], g[1.237,0.102]
1/1 [=====] - 0s 103ms/step
>5097, dr[0.710,0.739], df[0.786,0.110], g[1.177,0.181]
1/1 [=====] - 0s 88ms/step
>5098, dr[0.376,0.888], df[0.474,0.104], g[1.290,0.106]
1/1 [=====] - 0s 114ms/step
>5099, dr[0.435,0.398], df[0.472,0.131], g[1.628,0.161]
1/1 [=====] - 0s 97ms/step
>5100, dr[0.438,0.382], df[0.368,0.257], g[1.150,0.196]
1/1 [=====] - 0s 102ms/step
>5101, dr[0.497,0.744], df[0.403,0.088], g[1.296,0.101]
1/1 [=====] - 0s 135ms/step
>5102, dr[0.761,0.678], df[0.463,0.068], g[1.385,0.076]
1/1 [=====] - 0s 98ms/step
>5103, dr[0.543,0.505], df[0.759,0.161], g[1.408,0.060]
1/1 [=====] - 0s 97ms/step
>5104, dr[0.560,0.693], df[0.738,0.098], g[1.311,0.103]
1/1 [=====] - 0s 119ms/step
>5105, dr[0.261,0.613], df[0.639,0.226], g[1.793,0.059]
1/1 [=====] - 0s 128ms/step
>5106, dr[0.637,0.448], df[0.404,0.115], g[1.540,0.118]
1/1 [=====] - 0s 97ms/step
>5107, dr[0.822,0.675], df[0.511,0.211], g[1.345,0.061]
1/1 [=====] - 0s 134ms/step
>5108, dr[0.601,0.552], df[0.683,0.103], g[1.407,0.089]
1/1 [=====] - 0s 189ms/step
>5109, dr[0.670,0.689], df[0.430,0.045], g[1.295,0.044]
1/1 [=====] - 0s 99ms/step
>5110, dr[0.552,0.573], df[0.524,0.041], g[1.197,0.063]
1/1 [=====] - 0s 90ms/step
>5111, dr[0.491,0.604], df[0.723,0.106], g[1.408,0.200]
1/1 [=====] - 0s 101ms/step
>5112, dr[0.467,0.537], df[0.501,0.175], g[1.333,0.174]
1/1 [=====] - 0s 94ms/step
>5113, dr[0.789,0.382], df[0.440,0.065], g[1.297,0.115]
1/1 [=====] - 0s 98ms/step
>5114, dr[0.371,0.642], df[0.557,0.028], g[1.469,0.073]
1/1 [=====] - 0s 109ms/step
>5115, dr[0.302,0.415], df[0.459,0.024], g[1.612,0.115]
1/1 [=====] - 0s 94ms/step
>5116, dr[0.669,0.419], df[0.402,0.072], g[1.355,0.094]
1/1 [=====] - 0s 110ms/step
>5117, dr[0.314,0.417], df[0.572,0.176], g[1.715,0.115]
1/1 [=====] - 0s 100ms/step
>5118, dr[0.568,0.246], df[0.543,0.117], g[1.817,0.090]
1/1 [=====] - 0s 107ms/step
>5119, dr[0.872,0.467], df[0.476,0.056], g[1.584,0.129]
1/1 [=====] - 0s 87ms/step
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>5120, dr[0.459,0.518], df[0.676,0.045], g[1.367,0.117]
1/1 [=====] - 0s 91ms/step
>5121, dr[0.478,0.548], df[0.426,0.251], g[1.353,0.190]
1/1 [=====] - 0s 123ms/step
>5122, dr[0.408,0.646], df[0.489,0.265], g[1.568,0.050]
1/1 [=====] - 0s 97ms/step
>5123, dr[0.467,0.494], df[0.348,0.041], g[1.467,0.038]
1/1 [=====] - 0s 103ms/step
>5124, dr[0.495,0.616], df[0.647,0.207], g[1.438,0.077]
1/1 [=====] - 0s 149ms/step
>5125, dr[0.435,0.679], df[0.352,0.104], g[1.696,0.122]
1/1 [=====] - 0s 102ms/step
>5126, dr[0.508,0.604], df[0.462,0.135], g[1.558,0.154]
1/1 [=====] - 0s 88ms/step
>5127, dr[0.374,0.344], df[0.512,0.059], g[1.377,0.147]
1/1 [=====] - 0s 95ms/step
>5128, dr[0.448,0.467], df[0.419,0.049], g[1.482,0.085]
1/1 [=====] - 0s 100ms/step
>5129, dr[0.533,0.536], df[0.476,0.032], g[1.259,0.139]
1/1 [=====] - 0s 93ms/step
>5130, dr[0.540,0.760], df[0.452,0.110], g[1.367,0.130]
1/1 [=====] - 0s 95ms/step
>5131, dr[0.640,0.778], df[0.640,0.050], g[1.390,0.143]
1/1 [=====] - 0s 111ms/step
>5132, dr[0.354,0.690], df[0.592,0.060], g[1.261,0.077]
1/1 [=====] - 0s 107ms/step
>5133, dr[0.463,0.733], df[0.447,0.054], g[1.484,0.109]
1/1 [=====] - 0s 106ms/step
>5134, dr[0.441,0.629], df[0.800,0.309], g[1.468,0.080]
1/1 [=====] - 0s 126ms/step
>5135, dr[0.564,0.972], df[0.477,0.114], g[1.414,0.066]
1/1 [=====] - 0s 127ms/step
>5136, dr[0.533,0.295], df[0.642,0.083], g[1.465,0.105]
1/1 [=====] - 0s 110ms/step
>5137, dr[0.587,0.952], df[0.530,0.154], g[1.443,0.175]
1/1 [=====] - 0s 106ms/step
>5138, dr[0.520,0.392], df[0.408,0.155], g[1.595,0.162]
1/1 [=====] - 0s 86ms/step
>5139, dr[0.536,0.756], df[0.491,0.147], g[1.536,0.044]
1/1 [=====] - 0s 97ms/step
>5140, dr[0.418,0.440], df[0.583,0.108], g[1.415,0.142]
1/1 [=====] - 0s 95ms/step
>5141, dr[0.454,0.784], df[0.423,0.104], g[1.610,0.118]
1/1 [=====] - 0s 88ms/step
>5142, dr[0.350,0.302], df[0.484,0.158], g[1.784,0.142]
1/1 [=====] - 0s 94ms/step
>5143, dr[0.850,0.743], df[0.458,0.050], g[1.233,0.104]
1/1 [=====] - 0s 103ms/step
>5144, dr[0.556,0.369], df[0.717,0.141], g[1.379,0.070]
1/1 [=====] - 0s 101ms/step
>5145, dr[0.547,0.919], df[0.599,0.148], g[1.333,0.087]
1/1 [=====] - 0s 97ms/step
>5146, dr[0.538,0.428], df[0.545,0.122], g[1.584,0.091]
1/1 [=====] - 0s 104ms/step
>5147, dr[0.624,0.581], df[0.563,0.168], g[1.622,0.055]
1/1 [=====] - 0s 115ms/step
>5148, dr[0.543,0.835], df[0.599,0.032], g[1.404,0.037]
1/1 [=====] - 0s 131ms/step
>5149, dr[0.529,0.512], df[0.407,0.072], g[1.296,0.066]
1/1 [=====] - 0s 97ms/step
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>5150, dr[0.623,0.344], df[0.354,0.328], g[1.034,0.052]
1/1 [=====] - 0s 90ms/step
>5151, dr[0.583,0.755], df[0.700,0.211], g[1.137,0.055]
1/1 [=====] - 0s 117ms/step
>5152, dr[0.522,0.651], df[0.599,0.172], g[1.462,0.105]
1/1 [=====] - 0s 113ms/step
>5153, dr[0.343,0.394], df[0.395,0.186], g[1.506,0.140]
1/1 [=====] - 0s 93ms/step
>5154, dr[0.366,0.606], df[0.430,0.101], g[1.828,0.102]
1/1 [=====] - 0s 103ms/step
>5155, dr[0.466,0.733], df[0.372,0.041], g[1.521,0.195]
1/1 [=====] - 0s 96ms/step
>5156, dr[0.449,0.179], df[0.474,0.162], g[1.540,0.036]
1/1 [=====] - 0s 106ms/step
>5157, dr[0.613,0.633], df[0.546,0.108], g[1.527,0.072]
1/1 [=====] - 0s 98ms/step
>5158, dr[0.667,0.965], df[0.525,0.248], g[1.561,0.049]
1/1 [=====] - 0s 99ms/step
>5159, dr[0.605,0.619], df[0.509,0.153], g[1.308,0.160]
1/1 [=====] - 0s 120ms/step
>5160, dr[0.541,0.481], df[0.544,0.084], g[1.322,0.087]
1/1 [=====] - 0s 103ms/step
>5161, dr[0.428,0.784], df[0.500,0.150], g[1.234,0.147]
1/1 [=====] - 0s 92ms/step
>5162, dr[0.377,0.545], df[0.436,0.068], g[1.315,0.103]
1/1 [=====] - 0s 96ms/step
>5163, dr[0.547,0.443], df[0.638,0.026], g[1.486,0.099]
1/1 [=====] - 0s 105ms/step
>5164, dr[0.620,1.097], df[0.501,0.095], g[1.419,0.108]
1/1 [=====] - 0s 101ms/step
>5165, dr[0.517,0.341], df[0.415,0.022], g[1.421,0.109]
1/1 [=====] - 0s 90ms/step
>5166, dr[0.593,0.595], df[0.750,0.259], g[1.132,0.177]
1/1 [=====] - 0s 99ms/step
>5167, dr[0.441,0.535], df[0.562,0.081], g[1.632,0.043]
1/1 [=====] - 0s 100ms/step
>5168, dr[0.624,0.483], df[0.516,0.079], g[1.557,0.075]
1/1 [=====] - 0s 88ms/step
>5169, dr[0.678,0.627], df[0.548,0.104], g[1.565,0.096]
1/1 [=====] - 0s 94ms/step
>5170, dr[0.673,0.399], df[0.730,0.071], g[1.211,0.078]
1/1 [=====] - 0s 100ms/step
>5171, dr[0.827,0.816], df[0.614,0.051], g[1.309,0.096]
1/1 [=====] - 0s 93ms/step
>5172, dr[0.497,0.305], df[0.637,0.033], g[1.531,0.159]
1/1 [=====] - 0s 109ms/step
>5173, dr[0.549,0.585], df[0.394,0.102], g[1.320,0.201]
1/1 [=====] - 0s 94ms/step
>5174, dr[0.497,0.657], df[0.499,0.200], g[1.280,0.091]
1/1 [=====] - 0s 98ms/step
>5175, dr[0.399,0.434], df[0.294,0.039], g[1.208,0.111]
1/1 [=====] - 0s 93ms/step
>5176, dr[0.380,0.879], df[0.643,0.052], g[1.164,0.094]
1/1 [=====] - 0s 117ms/step
>5177, dr[0.468,0.759], df[0.621,0.077], g[1.259,0.087]
1/1 [=====] - 0s 115ms/step
>5178, dr[0.290,0.354], df[0.555,0.162], g[1.491,0.130]
1/1 [=====] - 0s 95ms/step
>5179, dr[0.440,0.385], df[0.423,0.024], g[1.634,0.075]
1/1 [=====] - 0s 98ms/step
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>5180, dr[0.507,0.585], df[0.504,0.083], g[1.543,0.050]
1/1 [=====] - 0s 103ms/step
>5181, dr[0.596,0.463], df[0.458,0.088], g[1.344,0.047]
1/1 [=====] - 0s 96ms/step
>5182, dr[0.394,0.862], df[0.493,0.093], g[1.563,0.064]
1/1 [=====] - 0s 104ms/step
>5183, dr[0.573,1.082], df[0.418,0.092], g[1.446,0.068]
1/1 [=====] - 0s 96ms/step
>5184, dr[0.470,0.589], df[0.848,0.070], g[1.452,0.053]
1/1 [=====] - 0s 95ms/step
>5185, dr[0.471,0.900], df[0.440,0.054], g[1.608,0.026]
1/1 [=====] - 0s 95ms/step
>5186, dr[0.614,0.539], df[0.507,0.164], g[1.357,0.082]
1/1 [=====] - 0s 98ms/step
>5187, dr[0.668,0.397], df[0.567,0.056], g[1.410,0.204]
1/1 [=====] - 0s 108ms/step
>5188, dr[0.411,0.602], df[0.641,0.059], g[1.459,0.061]
1/1 [=====] - 0s 99ms/step
>5189, dr[0.527,0.419], df[0.532,0.094], g[1.517,0.144]
1/1 [=====] - 0s 101ms/step
>5190, dr[0.660,0.602], df[0.499,0.023], g[1.478,0.110]
1/1 [=====] - 0s 103ms/step
>5191, dr[0.475,0.616], df[0.522,0.092], g[1.607,0.172]
1/1 [=====] - 0s 98ms/step
>5192, dr[0.752,0.669], df[0.477,0.059], g[1.547,0.064]
1/1 [=====] - 0s 93ms/step
>5193, dr[0.464,0.430], df[0.945,0.180], g[1.367,0.073]
1/1 [=====] - 0s 96ms/step
>5194, dr[0.567,0.315], df[0.686,0.218], g[1.729,0.057]
1/1 [=====] - 0s 90ms/step
>5195, dr[0.715,0.348], df[0.351,0.042], g[1.407,0.072]
1/1 [=====] - 0s 106ms/step
>5196, dr[0.455,0.780], df[0.595,0.105], g[1.527,0.103]
1/1 [=====] - 0s 118ms/step
>5197, dr[0.481,0.327], df[0.587,0.137], g[1.543,0.062]
1/1 [=====] - 0s 120ms/step
>5198, dr[0.557,0.333], df[0.465,0.167], g[1.473,0.092]
1/1 [=====] - 0s 116ms/step
>5199, dr[0.587,0.506], df[0.395,0.108], g[1.393,0.053]
1/1 [=====] - 0s 93ms/step
>5200, dr[0.827,0.599], df[0.570,0.043], g[1.084,0.075]
1/1 [=====] - 0s 100ms/step
>5201, dr[0.497,0.590], df[0.782,0.228], g[1.185,0.064]
1/1 [=====] - 0s 92ms/step
>5202, dr[0.360,0.411], df[0.544,0.070], g[1.617,0.092]
1/1 [=====] - 0s 93ms/step
>5203, dr[0.679,0.510], df[0.487,0.094], g[1.331,0.191]
1/1 [=====] - 0s 100ms/step
>5204, dr[0.585,0.376], df[0.515,0.116], g[1.428,0.145]
1/1 [=====] - 0s 92ms/step
>5205, dr[0.603,0.485], df[0.510,0.161], g[1.390,0.062]
1/1 [=====] - 0s 109ms/step
>5206, dr[0.504,0.452], df[0.500,0.051], g[1.436,0.078]
1/1 [=====] - 0s 96ms/step
>5207, dr[0.627,0.557], df[0.631,0.140], g[1.411,0.150]
1/1 [=====] - 0s 93ms/step
>5208, dr[0.781,0.589], df[0.711,0.100], g[1.319,0.118]
1/1 [=====] - 0s 94ms/step
>5209, dr[0.247,0.669], df[0.657,0.118], g[1.712,0.070]
1/1 [=====] - 0s 94ms/step
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>5210, dr[0.633,0.871], df[0.454,0.200], g[1.630,0.154]
1/1 [=====] - 0s 114ms/step
>5211, dr[0.815,0.607], df[0.429,0.125], g[1.359,0.235]
1/1 [=====] - 0s 90ms/step
>5212, dr[0.476,0.691], df[0.476,0.037], g[1.124,0.062]
1/1 [=====] - 0s 110ms/step
>5213, dr[0.431,0.465], df[0.807,0.298], g[1.419,0.197]
1/1 [=====] - 0s 94ms/step
>5214, dr[0.534,1.067], df[0.669,0.047], g[1.428,0.051]
1/1 [=====] - 0s 89ms/step
>5215, dr[0.617,0.808], df[0.630,0.133], g[1.398,0.062]
1/1 [=====] - 0s 110ms/step
>5216, dr[0.521,0.404], df[0.438,0.120], g[1.570,0.188]
1/1 [=====] - 0s 96ms/step
>5217, dr[0.494,0.777], df[0.529,0.151], g[1.519,0.148]
1/1 [=====] - 0s 106ms/step
>5218, dr[0.536,0.495], df[0.503,0.072], g[1.278,0.108]
1/1 [=====] - 0s 99ms/step
>5219, dr[0.273,0.514], df[0.393,0.091], g[1.523,0.051]
1/1 [=====] - 0s 110ms/step
>5220, dr[0.620,0.607], df[0.456,0.168], g[1.406,0.057]
1/1 [=====] - 0s 103ms/step
>5221, dr[0.623,0.389], df[0.688,0.070], g[1.445,0.166]
1/1 [=====] - 0s 102ms/step
>5222, dr[0.541,0.289], df[0.551,0.089], g[1.212,0.212]
1/1 [=====] - 0s 203ms/step
>5223, dr[0.703,0.686], df[0.597,0.100], g[1.527,0.063]
1/1 [=====] - 0s 163ms/step
>5224, dr[0.622,1.045], df[0.435,0.208], g[1.252,0.175]
1/1 [=====] - 0s 248ms/step
>5225, dr[0.380,0.638], df[0.665,0.035], g[1.309,0.099]
1/1 [=====] - 0s 119ms/step
>5226, dr[0.477,0.580], df[0.574,0.060], g[1.317,0.160]
1/1 [=====] - 0s 104ms/step
>5227, dr[0.569,0.589], df[0.457,0.104], g[1.361,0.076]
1/1 [=====] - 0s 108ms/step
>5228, dr[0.645,0.682], df[0.526,0.057], g[1.233,0.096]
1/1 [=====] - 0s 103ms/step
>5229, dr[0.396,0.551], df[0.691,0.071], g[1.445,0.076]
1/1 [=====] - 0s 99ms/step
>5230, dr[0.616,0.758], df[0.411,0.055], g[1.546,0.126]
1/1 [=====] - 0s 117ms/step
>5231, dr[0.685,0.359], df[0.415,0.091], g[1.233,0.168]
1/1 [=====] - 0s 136ms/step
>5232, dr[0.491,0.636], df[0.497,0.096], g[1.557,0.068]
1/1 [=====] - 0s 124ms/step
>5233, dr[0.393,0.345], df[0.584,0.059], g[1.377,0.075]
1/1 [=====] - 0s 122ms/step
>5234, dr[0.535,0.392], df[0.437,0.074], g[1.292,0.158]
1/1 [=====] - 0s 116ms/step
>5235, dr[0.546,0.558], df[0.600,0.102], g[1.452,0.122]
1/1 [=====] - 0s 110ms/step
>5236, dr[0.560,0.608], df[0.655,0.040], g[1.232,0.186]
1/1 [=====] - 0s 172ms/step
>5237, dr[0.504,0.520], df[0.331,0.137], g[1.351,0.115]
1/1 [=====] - 0s 116ms/step
>5238, dr[0.599,0.373], df[0.454,0.056], g[1.440,0.089]
1/1 [=====] - 0s 134ms/step
>5239, dr[0.761,1.051], df[0.701,0.052], g[1.357,0.089]
1/1 [=====] - 0s 109ms/step
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>5240, dr[0.604,0.301], df[0.620,0.203], g[1.292,0.146]
1/1 [=====] - 0s 121ms/step
>5241, dr[0.575,0.439], df[0.752,0.057], g[1.448,0.057]
1/1 [=====] - 0s 109ms/step
>5242, dr[0.337,0.625], df[0.713,0.063], g[1.762,0.077]
1/1 [=====] - 0s 123ms/step
>5243, dr[0.627,0.806], df[0.450,0.159], g[1.548,0.114]
1/1 [=====] - 0s 101ms/step
>5244, dr[0.447,0.550], df[0.565,0.053], g[1.398,0.134]
1/1 [=====] - 0s 148ms/step
>5245, dr[0.586,0.668], df[0.538,0.090], g[1.613,0.096]
1/1 [=====] - 0s 106ms/step
>5246, dr[0.441,0.465], df[0.471,0.080], g[1.376,0.171]
1/1 [=====] - 0s 105ms/step
>5247, dr[0.560,0.349], df[0.563,0.051], g[1.634,0.089]
1/1 [=====] - 0s 97ms/step
>5248, dr[0.617,0.419], df[0.342,0.236], g[1.309,0.117]
1/1 [=====] - 0s 108ms/step
>5249, dr[0.697,0.238], df[0.519,0.063], g[1.268,0.145]
1/1 [=====] - 0s 99ms/step
>5250, dr[0.463,0.330], df[0.525,0.031], g[1.565,0.087]
1/1 [=====] - 0s 109ms/step
>5251, dr[0.403,0.540], df[0.446,0.163], g[1.448,0.115]
1/1 [=====] - 0s 104ms/step
>5252, dr[0.554,0.505], df[0.566,0.115], g[1.347,0.087]
1/1 [=====] - 0s 104ms/step
>5253, dr[0.659,0.630], df[0.423,0.112], g[1.317,0.087]
1/1 [=====] - 0s 107ms/step
>5254, dr[0.356,0.284], df[0.508,0.145], g[1.265,0.070]
1/1 [=====] - 0s 132ms/step
>5255, dr[0.601,0.348], df[0.567,0.057], g[1.449,0.087]
1/1 [=====] - 0s 118ms/step
>5256, dr[0.582,0.404], df[0.504,0.049], g[1.273,0.088]
1/1 [=====] - 0s 140ms/step
>5257, dr[0.464,0.709], df[0.374,0.067], g[1.076,0.074]
1/1 [=====] - 0s 240ms/step
>5258, dr[0.424,0.333], df[0.509,0.165], g[1.281,0.044]
1/1 [=====] - 0s 124ms/step
>5259, dr[0.523,0.442], df[0.525,0.062], g[1.070,0.237]
1/1 [=====] - 0s 119ms/step
>5260, dr[0.704,0.770], df[0.814,0.350], g[1.248,0.095]
1/1 [=====] - 0s 113ms/step
>5261, dr[0.566,0.641], df[0.496,0.038], g[1.297,0.123]
1/1 [=====] - 0s 93ms/step
>5262, dr[0.602,0.556], df[0.635,0.092], g[1.366,0.113]
1/1 [=====] - 0s 92ms/step
>5263, dr[0.461,0.895], df[0.847,0.080], g[1.355,0.082]
1/1 [=====] - 0s 99ms/step
>5264, dr[0.806,0.876], df[0.684,0.146], g[1.471,0.153]
1/1 [=====] - 0s 117ms/step
>5265, dr[0.428,0.504], df[0.512,0.221], g[1.266,0.058]
1/1 [=====] - 0s 95ms/step
>5266, dr[0.633,0.645], df[0.478,0.041], g[1.465,0.166]
1/1 [=====] - 0s 106ms/step
>5267, dr[0.379,0.900], df[0.683,0.123], g[1.649,0.056]
1/1 [=====] - 0s 94ms/step
>5268, dr[0.415,0.548], df[0.382,0.099], g[1.519,0.191]
1/1 [=====] - 0s 114ms/step
>5269, dr[0.458,0.390], df[0.404,0.140], g[1.493,0.133]
1/1 [=====] - 0s 87ms/step
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>5270, dr[0.785,0.467], df[0.469,0.122], g[1.428,0.194]
1/1 [=====] - 0s 109ms/step
>5271, dr[0.483,0.286], df[0.382,0.089], g[1.252,0.083]
1/1 [=====] - 0s 94ms/step
>5272, dr[0.508,0.594], df[0.824,0.110], g[1.071,0.116]
1/1 [=====] - 0s 84ms/step
>5273, dr[0.368,0.578], df[0.463,0.106], g[1.301,0.114]
1/1 [=====] - 0s 103ms/step
>5274, dr[0.357,0.414], df[0.533,0.097], g[1.353,0.113]
1/1 [=====] - 0s 97ms/step
>5275, dr[0.538,0.430], df[0.462,0.021], g[1.479,0.102]
1/1 [=====] - 0s 98ms/step
>5276, dr[0.599,0.429], df[0.520,0.039], g[1.371,0.138]
1/1 [=====] - 0s 101ms/step
>5277, dr[0.433,0.528], df[0.564,0.143], g[1.694,0.070]
1/1 [=====] - 0s 95ms/step
>5278, dr[0.404,0.280], df[0.549,0.060], g[1.675,0.081]
1/1 [=====] - 0s 112ms/step
>5279, dr[0.657,1.057], df[0.359,0.166], g[1.773,0.125]
1/1 [=====] - 0s 109ms/step
>5280, dr[0.610,0.548], df[0.455,0.084], g[1.502,0.114]
1/1 [=====] - 0s 92ms/step
>5281, dr[0.683,0.671], df[0.567,0.156], g[1.515,0.080]
1/1 [=====] - 0s 104ms/step
>5282, dr[0.535,0.617], df[0.609,0.111], g[1.675,0.058]
1/1 [=====] - 0s 99ms/step
>5283, dr[0.424,0.366], df[0.425,0.035], g[1.509,0.205]
1/1 [=====] - 0s 95ms/step
>5284, dr[0.551,0.299], df[0.496,0.048], g[1.521,0.091]
1/1 [=====] - 0s 110ms/step
>5285, dr[0.531,0.657], df[0.490,0.138], g[1.431,0.074]
1/1 [=====] - 0s 103ms/step
>5286, dr[0.445,0.699], df[0.512,0.166], g[1.549,0.094]
1/1 [=====] - 0s 89ms/step
>5287, dr[0.480,0.587], df[0.486,0.105], g[1.324,0.097]
1/1 [=====] - 0s 105ms/step
>5288, dr[0.535,0.596], df[0.474,0.119], g[1.681,0.168]
1/1 [=====] - 0s 96ms/step
>5289, dr[0.415,0.184], df[0.357,0.079], g[1.426,0.055]
1/1 [=====] - 0s 95ms/step
>5290, dr[0.770,0.542], df[0.520,0.090], g[1.336,0.049]
1/1 [=====] - 0s 88ms/step
>5291, dr[0.547,0.893], df[0.553,0.046], g[1.158,0.164]
1/1 [=====] - 0s 118ms/step
>5292, dr[0.442,0.560], df[0.614,0.094], g[1.389,0.051]
1/1 [=====] - 0s 90ms/step
>5293, dr[0.373,0.598], df[0.505,0.064], g[1.169,0.172]
1/1 [=====] - 0s 91ms/step
>5294, dr[0.380,0.555], df[0.679,0.200], g[1.499,0.168]
1/1 [=====] - 0s 95ms/step
>5295, dr[0.560,0.704], df[0.472,0.066], g[1.560,0.102]
1/1 [=====] - 0s 93ms/step
>5296, dr[0.542,0.618], df[0.371,0.072], g[1.426,0.080]
1/1 [=====] - 0s 107ms/step
>5297, dr[0.463,0.688], df[0.501,0.132], g[0.994,0.179]
1/1 [=====] - 0s 96ms/step
>5298, dr[0.446,0.382], df[0.511,0.105], g[1.271,0.108]
1/1 [=====] - 0s 124ms/step
>5299, dr[0.705,0.519], df[0.414,0.094], g[1.494,0.092]
1/1 [=====] - 0s 94ms/step
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>5300, dr[0.495,0.557], df[0.555,0.075], g[1.298,0.069]
1/1 [=====] - 0s 121ms/step
>5301, dr[0.431,0.439], df[0.613,0.137], g[1.447,0.110]
1/1 [=====] - 0s 97ms/step
>5302, dr[0.482,0.332], df[0.599,0.144], g[1.421,0.176]
1/1 [=====] - 0s 91ms/step
>5303, dr[0.512,0.364], df[0.558,0.079], g[1.405,0.102]
1/1 [=====] - 0s 92ms/step
>5304, dr[0.530,0.453], df[0.401,0.114], g[1.580,0.140]
1/1 [=====] - 0s 91ms/step
>5305, dr[0.352,0.729], df[0.569,0.180], g[1.504,0.186]
1/1 [=====] - 0s 104ms/step
>5306, dr[0.485,0.524], df[0.430,0.061], g[1.373,0.071]
1/1 [=====] - 0s 92ms/step
>5307, dr[0.400,0.669], df[0.243,0.040], g[1.384,0.097]
1/1 [=====] - 0s 95ms/step
>5308, dr[0.411,0.457], df[0.634,0.113], g[1.398,0.092]
1/1 [=====] - 0s 102ms/step
>5309, dr[0.490,0.266], df[0.546,0.116], g[1.158,0.121]
1/1 [=====] - 0s 98ms/step
>5310, dr[0.452,0.460], df[0.413,0.141], g[1.330,0.286]
1/1 [=====] - 0s 98ms/step
>5311, dr[0.585,0.580], df[0.447,0.118], g[1.211,0.070]
1/1 [=====] - 0s 135ms/step
>5312, dr[0.544,0.602], df[0.706,0.264], g[1.284,0.169]
1/1 [=====] - 0s 93ms/step
>5313, dr[0.575,0.562], df[0.481,0.070], g[1.272,0.118]
1/1 [=====] - 0s 116ms/step
>5314, dr[0.650,0.470], df[0.671,0.047], g[1.449,0.090]
1/1 [=====] - 0s 103ms/step
>5315, dr[0.502,0.581], df[0.717,0.065], g[1.556,0.035]
1/1 [=====] - 0s 103ms/step
>5316, dr[0.585,0.468], df[0.405,0.113], g[1.484,0.100]
1/1 [=====] - 0s 95ms/step
>5317, dr[0.444,0.605], df[0.512,0.021], g[1.606,0.066]
1/1 [=====] - 0s 95ms/step
>5318, dr[0.592,0.587], df[0.393,0.118], g[1.534,0.114]
1/1 [=====] - 0s 117ms/step
>5319, dr[0.498,0.549], df[0.640,0.036], g[1.455,0.123]
1/1 [=====] - 0s 101ms/step
>5320, dr[0.519,0.270], df[0.517,0.166], g[1.265,0.072]
1/1 [=====] - 0s 195ms/step
>5321, dr[0.657,0.495], df[0.635,0.119], g[1.423,0.171]
1/1 [=====] - 0s 110ms/step
>5322, dr[0.484,0.242], df[0.439,0.072], g[1.153,0.179]
1/1 [=====] - 0s 126ms/step
>5323, dr[0.450,0.328], df[0.515,0.159], g[1.320,0.141]
1/1 [=====] - 0s 93ms/step
>5324, dr[0.313,0.352], df[0.330,0.078], g[1.698,0.103]
1/1 [=====] - 0s 105ms/step
>5325, dr[0.594,0.533], df[0.617,0.050], g[1.124,0.052]
1/1 [=====] - 0s 111ms/step
>5326, dr[0.518,0.602], df[0.575,0.056], g[1.309,0.094]
1/1 [=====] - 0s 97ms/step
>5327, dr[0.461,0.324], df[0.521,0.141], g[1.469,0.051]
1/1 [=====] - 0s 93ms/step
>5328, dr[0.534,1.305], df[0.572,0.039], g[1.371,0.107]
1/1 [=====] - 0s 101ms/step
>5329, dr[0.669,0.354], df[0.501,0.107], g[1.367,0.080]
1/1 [=====] - 0s 97ms/step
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>5330, dr[0.361,0.256], df[0.589,0.073], g[1.428,0.111]
1/1 [=====] - 0s 104ms/step
>5331, dr[0.224,0.505], df[0.599,0.165], g[1.530,0.110]
1/1 [=====] - 0s 99ms/step
>5332, dr[0.627,0.513], df[0.426,0.048], g[1.440,0.104]
1/1 [=====] - 0s 121ms/step
>5333, dr[0.856,0.504], df[0.330,0.079], g[1.680,0.031]
1/1 [=====] - 0s 117ms/step
>5334, dr[0.506,0.655], df[0.665,0.108], g[1.091,0.206]
1/1 [=====] - 0s 105ms/step
>5335, dr[0.657,0.644], df[0.684,0.053], g[1.410,0.108]
1/1 [=====] - 0s 107ms/step
>5336, dr[0.462,0.706], df[0.679,0.058], g[1.255,0.131]
1/1 [=====] - 0s 112ms/step
>5337, dr[0.560,0.761], df[0.552,0.101], g[1.454,0.068]
1/1 [=====] - 0s 102ms/step
>5338, dr[0.838,0.424], df[0.680,0.105], g[1.623,0.070]
1/1 [=====] - 0s 107ms/step
>5339, dr[0.506,1.277], df[0.837,0.252], g[1.629,0.068]
1/1 [=====] - 0s 111ms/step
>5340, dr[0.821,0.778], df[0.477,0.136], g[1.517,0.165]
1/1 [=====] - 0s 100ms/step
>5341, dr[0.662,0.469], df[0.562,0.172], g[1.488,0.100]
1/1 [=====] - 0s 94ms/step
>5342, dr[0.408,0.505], df[0.479,0.144], g[1.364,0.084]
1/1 [=====] - 0s 91ms/step
>5343, dr[0.537,0.253], df[0.570,0.159], g[1.345,0.064]
1/1 [=====] - 0s 94ms/step
>5344, dr[0.467,0.579], df[0.390,0.073], g[1.450,0.088]
1/1 [=====] - 0s 93ms/step
>5345, dr[0.467,0.469], df[0.646,0.097], g[1.213,0.125]
1/1 [=====] - 0s 92ms/step
>5346, dr[0.544,0.516], df[0.432,0.066], g[1.488,0.147]
1/1 [=====] - 0s 97ms/step
>5347, dr[0.689,0.266], df[0.781,0.144], g[1.693,0.079]
1/1 [=====] - 0s 105ms/step
>5348, dr[0.570,0.436], df[0.418,0.148], g[1.633,0.124]
1/1 [=====] - 0s 94ms/step
>5349, dr[0.394,0.368], df[0.417,0.083], g[1.321,0.104]
1/1 [=====] - 0s 94ms/step
>5350, dr[0.518,0.778], df[0.673,0.079], g[1.179,0.108]
1/1 [=====] - 0s 105ms/step
>5351, dr[0.388,0.406], df[0.607,0.063], g[1.625,0.082]
1/1 [=====] - 0s 87ms/step
>5352, dr[0.509,0.408], df[0.501,0.072], g[1.441,0.159]
1/1 [=====] - 0s 87ms/step
>5353, dr[0.545,0.666], df[0.663,0.079], g[1.705,0.203]
1/1 [=====] - 0s 93ms/step
>5354, dr[0.626,0.694], df[0.355,0.109], g[1.757,0.061]
1/1 [=====] - 0s 87ms/step
>5355, dr[0.485,0.732], df[0.689,0.126], g[1.292,0.284]
1/1 [=====] - 0s 89ms/step
>5356, dr[0.418,0.611], df[0.515,0.072], g[1.463,0.156]
1/1 [=====] - 0s 95ms/step
>5357, dr[0.752,1.140], df[0.583,0.100], g[1.328,0.120]
1/1 [=====] - 0s 86ms/step
>5358, dr[0.718,0.406], df[0.434,0.087], g[1.220,0.204]
1/1 [=====] - 0s 89ms/step
>5359, dr[0.532,0.598], df[0.348,0.057], g[1.243,0.100]
1/1 [=====] - 0s 89ms/step
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>5360, dr[0.468,0.656], df[0.717,0.081], g[1.262,0.121]
1/1 [=====] - 0s 94ms/step
>5361, dr[0.313,0.358], df[0.678,0.101], g[1.378,0.158]
1/1 [=====] - 0s 88ms/step
>5362, dr[0.442,0.651], df[0.620,0.091], g[1.585,0.076]
1/1 [=====] - 0s 89ms/step
>5363, dr[0.658,0.551], df[0.604,0.072], g[1.600,0.070]
1/1 [=====] - 0s 87ms/step
>5364, dr[0.609,0.425], df[0.524,0.140], g[1.764,0.142]
1/1 [=====] - 0s 88ms/step
>5365, dr[0.583,0.549], df[0.540,0.142], g[1.294,0.070]
1/1 [=====] - 0s 86ms/step
>5366, dr[0.474,0.234], df[0.313,0.032], g[1.324,0.110]
1/1 [=====] - 0s 92ms/step
>5367, dr[0.419,0.760], df[0.608,0.059], g[1.228,0.066]
1/1 [=====] - 0s 87ms/step
>5368, dr[0.522,0.738], df[0.647,0.190], g[1.270,0.144]
1/1 [=====] - 0s 86ms/step
>5369, dr[0.582,0.301], df[0.414,0.052], g[1.516,0.089]
1/1 [=====] - 0s 92ms/step
>5370, dr[0.445,0.603], df[0.506,0.069], g[1.388,0.089]
1/1 [=====] - 0s 91ms/step
>5371, dr[0.405,0.551], df[0.573,0.028], g[1.389,0.106]
1/1 [=====] - 0s 92ms/step
>5372, dr[0.564,0.726], df[0.513,0.082], g[1.363,0.079]
1/1 [=====] - 0s 86ms/step
>5373, dr[0.349,0.643], df[0.521,0.063], g[1.343,0.143]
1/1 [=====] - 0s 85ms/step
>5374, dr[0.616,0.492], df[0.446,0.263], g[1.585,0.065]
1/1 [=====] - 0s 89ms/step
>5375, dr[0.386,0.286], df[0.517,0.178], g[1.569,0.126]
1/1 [=====] - 0s 86ms/step
>5376, dr[0.715,0.537], df[0.379,0.055], g[1.389,0.124]
1/1 [=====] - 0s 89ms/step
>5377, dr[0.542,0.343], df[0.642,0.095], g[1.537,0.089]
1/1 [=====] - 0s 87ms/step
>5378, dr[0.616,0.616], df[0.576,0.070], g[1.160,0.113]
1/1 [=====] - 0s 90ms/step
>5379, dr[0.543,0.421], df[0.583,0.103], g[1.512,0.068]
1/1 [=====] - 0s 89ms/step
>5380, dr[0.445,0.805], df[0.535,0.069], g[1.549,0.059]
1/1 [=====] - 0s 97ms/step
>5381, dr[0.554,0.594], df[0.453,0.038], g[1.532,0.117]
1/1 [=====] - 0s 86ms/step
>5382, dr[0.451,0.484], df[0.373,0.028], g[1.473,0.077]
1/1 [=====] - 0s 89ms/step
>5383, dr[0.442,0.533], df[0.593,0.127], g[1.200,0.073]
1/1 [=====] - 0s 96ms/step
>5384, dr[0.263,0.687], df[0.479,0.056], g[1.398,0.065]
1/1 [=====] - 0s 86ms/step
>5385, dr[0.696,0.539], df[0.622,0.196], g[1.486,0.223]
1/1 [=====] - 0s 84ms/step
>5386, dr[0.401,0.620], df[0.467,0.148], g[1.570,0.052]
1/1 [=====] - 0s 95ms/step
>5387, dr[0.546,0.563], df[0.554,0.136], g[1.585,0.079]
1/1 [=====] - 0s 90ms/step
>5388, dr[0.533,0.213], df[0.326,0.050], g[1.494,0.069]
1/1 [=====] - 0s 87ms/step
>5389, dr[0.690,0.583], df[0.755,0.129], g[1.333,0.200]
1/1 [=====] - 0s 94ms/step
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>5390, dr[0.688,0.530], df[0.556,0.111], g[1.330,0.110]
1/1 [=====] - 0s 87ms/step
>5391, dr[0.601,0.769], df[0.617,0.048], g[1.522,0.102]
1/1 [=====] - 0s 84ms/step
>5392, dr[0.406,0.672], df[0.584,0.087], g[1.385,0.077]
1/1 [=====] - 0s 99ms/step
>5393, dr[0.605,0.640], df[0.525,0.059], g[1.344,0.108]
1/1 [=====] - 0s 88ms/step
>5394, dr[0.409,0.555], df[0.493,0.231], g[1.368,0.103]
1/1 [=====] - 0s 94ms/step
>5395, dr[0.612,0.474], df[0.426,0.179], g[1.671,0.160]
1/1 [=====] - 0s 107ms/step
>5396, dr[0.460,0.538], df[0.489,0.152], g[1.681,0.141]
1/1 [=====] - 0s 88ms/step
>5397, dr[0.451,0.811], df[0.590,0.065], g[1.586,0.169]
1/1 [=====] - 0s 103ms/step
>5398, dr[0.441,0.608], df[0.467,0.101], g[1.388,0.084]
1/1 [=====] - 0s 98ms/step
>5399, dr[0.641,0.484], df[0.697,0.105], g[1.501,0.072]
1/1 [=====] - 0s 87ms/step
>5400, dr[0.621,1.091], df[0.560,0.210], g[1.359,0.220]
1/1 [=====] - 0s 93ms/step
>5401, dr[0.447,0.244], df[0.559,0.046], g[1.406,0.075]
1/1 [=====] - 0s 117ms/step
>5402, dr[0.586,0.802], df[0.399,0.042], g[1.181,0.112]
1/1 [=====] - 0s 96ms/step
>5403, dr[0.364,0.391], df[0.515,0.056], g[1.470,0.122]
1/1 [=====] - 0s 111ms/step
>5404, dr[0.592,0.450], df[0.630,0.104], g[1.388,0.118]
1/1 [=====] - 0s 100ms/step
>5405, dr[0.521,0.428], df[0.590,0.149], g[1.321,0.171]
1/1 [=====] - 0s 92ms/step
>5406, dr[0.685,0.765], df[0.596,0.091], g[1.573,0.111]
1/1 [=====] - 0s 89ms/step
>5407, dr[0.548,0.356], df[0.541,0.158], g[1.450,0.067]
1/1 [=====] - 0s 91ms/step
>5408, dr[0.731,0.414], df[0.632,0.135], g[1.434,0.134]
1/1 [=====] - 0s 86ms/step
>5409, dr[0.487,0.894], df[0.401,0.119], g[1.201,0.097]
1/1 [=====] - 0s 85ms/step
>5410, dr[0.498,0.467], df[0.552,0.128], g[1.406,0.183]
1/1 [=====] - 0s 95ms/step
>5411, dr[0.436,0.655], df[0.621,0.134], g[1.583,0.125]
1/1 [=====] - 0s 88ms/step
>5412, dr[0.398,0.524], df[0.584,0.136], g[1.290,0.069]
1/1 [=====] - 0s 88ms/step
>5413, dr[0.566,1.273], df[0.387,0.120], g[1.696,0.112]
1/1 [=====] - 0s 97ms/step
>5414, dr[0.546,0.747], df[0.496,0.087], g[1.362,0.147]
1/1 [=====] - 0s 88ms/step
>5415, dr[0.568,0.427], df[0.610,0.166], g[1.189,0.141]
1/1 [=====] - 0s 86ms/step
>5416, dr[0.499,0.639], df[0.609,0.183], g[1.320,0.085]
1/1 [=====] - 0s 91ms/step
>5417, dr[0.353,0.327], df[0.357,0.084], g[1.544,0.104]
1/1 [=====] - 0s 83ms/step
>5418, dr[0.641,0.615], df[0.478,0.068], g[1.447,0.055]
1/1 [=====] - 0s 88ms/step
>5419, dr[0.407,0.369], df[0.625,0.163], g[1.575,0.115]
1/1 [=====] - 0s 90ms/step
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>5420, dr[0.468,0.384], df[0.493,0.062], g[1.339,0.147]
1/1 [=====] - 0s 89ms/step
>5421, dr[0.699,0.440], df[0.689,0.148], g[1.579,0.168]
1/1 [=====] - 0s 112ms/step
>5422, dr[0.587,0.251], df[0.571,0.096], g[1.468,0.111]
1/1 [=====] - 0s 98ms/step
>5423, dr[0.398,0.199], df[0.471,0.081], g[1.449,0.101]
1/1 [=====] - 0s 92ms/step
>5424, dr[0.601,0.319], df[0.514,0.102], g[1.325,0.106]
1/1 [=====] - 0s 94ms/step
>5425, dr[0.531,0.323], df[0.556,0.159], g[1.423,0.057]
1/1 [=====] - 0s 106ms/step
>5426, dr[0.775,0.619], df[0.384,0.049], g[1.365,0.035]
1/1 [=====] - 0s 89ms/step
>5427, dr[0.415,0.528], df[0.513,0.052], g[1.295,0.171]
1/1 [=====] - 0s 92ms/step
>5428, dr[0.460,0.473], df[0.486,0.088], g[1.415,0.044]
1/1 [=====] - 0s 289ms/step
>5429, dr[0.429,0.744], df[0.403,0.056], g[1.445,0.073]
1/1 [=====] - 0s 115ms/step
>5430, dr[0.337,0.452], df[0.542,0.113], g[1.321,0.151]
1/1 [=====] - 0s 104ms/step
>5431, dr[0.587,0.447], df[0.693,0.031], g[1.179,0.104]
1/1 [=====] - 0s 94ms/step
>5432, dr[0.451,0.689], df[0.558,0.103], g[1.483,0.165]
1/1 [=====] - 0s 87ms/step
>5433, dr[0.456,0.861], df[0.506,0.262], g[1.663,0.063]
1/1 [=====] - 0s 110ms/step
>5434, dr[0.591,0.691], df[0.626,0.036], g[1.513,0.097]
1/1 [=====] - 0s 88ms/step
>5435, dr[0.550,0.496], df[0.605,0.176], g[1.573,0.131]
1/1 [=====] - 0s 86ms/step
>5436, dr[0.574,0.349], df[0.704,0.321], g[1.637,0.086]
1/1 [=====] - 0s 95ms/step
>5437, dr[0.809,0.569], df[0.446,0.066], g[1.459,0.074]
1/1 [=====] - 0s 101ms/step
>5438, dr[0.484,0.439], df[0.334,0.098], g[1.450,0.102]
1/1 [=====] - 0s 91ms/step
>5439, dr[0.452,0.850], df[0.622,0.134], g[1.424,0.101]
1/1 [=====] - 0s 95ms/step
>5440, dr[0.367,0.796], df[0.561,0.035], g[1.329,0.066]
1/1 [=====] - 0s 86ms/step
>5441, dr[0.426,0.758], df[0.492,0.112], g[1.259,0.136]
1/1 [=====] - 0s 88ms/step
>5442, dr[0.417,0.520], df[0.442,0.058], g[1.328,0.159]
1/1 [=====] - 0s 100ms/step
>5443, dr[0.692,0.428], df[0.700,0.101], g[1.463,0.138]
1/1 [=====] - 0s 86ms/step
>5444, dr[0.453,0.489], df[0.497,0.076], g[1.495,0.049]
1/1 [=====] - 0s 87ms/step
>5445, dr[0.392,0.555], df[0.572,0.093], g[1.455,0.146]
1/1 [=====] - 0s 96ms/step
>5446, dr[0.504,0.319], df[0.737,0.054], g[1.657,0.072]
1/1 [=====] - 0s 90ms/step
>5447, dr[0.533,0.673], df[0.495,0.228], g[1.439,0.092]
1/1 [=====] - 0s 84ms/step
>5448, dr[0.530,0.684], df[0.475,0.083], g[1.604,0.115]
1/1 [=====] - 0s 92ms/step
>5449, dr[0.408,0.628], df[0.550,0.082], g[1.657,0.076]
1/1 [=====] - 0s 84ms/step
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>5450, dr[0.557,0.692], df[0.483,0.231], g[1.679,0.177]
1/1 [=====] - 0s 92ms/step
>5451, dr[0.800,0.926], df[0.452,0.066], g[1.603,0.132]
1/1 [=====] - 0s 92ms/step
>5452, dr[0.747,0.888], df[0.663,0.262], g[1.174,0.059]
1/1 [=====] - 0s 86ms/step
>5453, dr[0.499,0.472], df[0.513,0.038], g[1.422,0.068]
1/1 [=====] - 0s 90ms/step
>5454, dr[0.405,0.421], df[0.543,0.231], g[1.288,0.076]
1/1 [=====] - 0s 86ms/step
>5455, dr[0.497,0.487], df[0.452,0.076], g[1.435,0.226]
1/1 [=====] - 0s 87ms/step
>5456, dr[0.596,0.320], df[0.422,0.050], g[1.318,0.059]
1/1 [=====] - 0s 94ms/step
>5457, dr[0.600,0.340], df[0.592,0.140], g[1.595,0.057]
1/1 [=====] - 0s 89ms/step
>5458, dr[0.553,0.511], df[0.657,0.025], g[1.277,0.050]
1/1 [=====] - 0s 85ms/step
>5459, dr[0.659,0.393], df[0.629,0.084], g[1.517,0.037]
1/1 [=====] - 0s 98ms/step
>5460, dr[0.440,0.676], df[0.529,0.116], g[1.389,0.078]
1/1 [=====] - 0s 87ms/step
>5461, dr[0.511,0.639], df[0.502,0.060], g[1.598,0.126]
1/1 [=====] - 0s 91ms/step
>5462, dr[0.549,0.451], df[0.457,0.056], g[1.521,0.083]
1/1 [=====] - 0s 94ms/step
>5463, dr[0.625,0.517], df[0.659,0.188], g[1.644,0.077]
1/1 [=====] - 0s 85ms/step
>5464, dr[0.481,0.468], df[0.451,0.108], g[1.550,0.039]
1/1 [=====] - 0s 89ms/step
>5465, dr[0.736,0.243], df[0.477,0.091], g[1.295,0.077]
1/1 [=====] - 0s 90ms/step
>5466, dr[0.612,0.809], df[0.441,0.059], g[1.226,0.113]
1/1 [=====] - 0s 87ms/step
>5467, dr[0.422,0.704], df[0.478,0.023], g[1.349,0.090]
1/1 [=====] - 0s 91ms/step
>5468, dr[0.569,0.486], df[0.547,0.100], g[1.442,0.106]
1/1 [=====] - 0s 88ms/step
>5469, dr[0.392,0.808], df[0.560,0.054], g[1.435,0.071]
1/1 [=====] - 0s 90ms/step
>5470, dr[0.430,1.086], df[0.481,0.092], g[1.421,0.087]
1/1 [=====] - 0s 89ms/step
>5471, dr[0.329,0.713], df[0.629,0.237], g[1.421,0.103]
1/1 [=====] - 0s 90ms/step
>5472, dr[0.521,0.413], df[0.470,0.211], g[1.558,0.043]
1/1 [=====] - 0s 86ms/step
>5473, dr[0.597,0.465], df[0.472,0.108], g[1.366,0.123]
1/1 [=====] - 0s 89ms/step
>5474, dr[0.524,0.507], df[0.463,0.104], g[1.372,0.124]
1/1 [=====] - 0s 88ms/step
>5475, dr[0.464,0.642], df[0.499,0.110], g[1.504,0.049]
1/1 [=====] - 0s 85ms/step
>5476, dr[0.566,0.560], df[0.627,0.132], g[1.504,0.111]
1/1 [=====] - 0s 94ms/step
>5477, dr[0.440,0.336], df[0.503,0.037], g[1.419,0.041]
1/1 [=====] - 0s 86ms/step
>5478, dr[0.531,0.812], df[0.446,0.055], g[1.533,0.108]
1/1 [=====] - 0s 88ms/step
>5479, dr[0.672,0.756], df[0.854,0.061], g[1.657,0.059]
1/1 [=====] - 0s 100ms/step
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>5480, dr[0.409,0.249], df[0.527,0.172], g[1.707,0.061]
1/1 [=====] - 0s 86ms/step
>5481, dr[0.739,1.125], df[0.458,0.136], g[1.620,0.192]
1/1 [=====] - 0s 86ms/step
>5482, dr[0.681,0.470], df[0.596,0.077], g[1.097,0.071]
1/1 [=====] - 0s 97ms/step
>5483, dr[0.423,0.651], df[0.597,0.056], g[1.276,0.113]
1/1 [=====] - 0s 88ms/step
>5484, dr[0.457,0.424], df[0.530,0.054], g[1.405,0.125]
1/1 [=====] - 0s 87ms/step
>5485, dr[0.426,0.152], df[0.610,0.081], g[1.479,0.101]
1/1 [=====] - 0s 94ms/step
>5486, dr[0.733,0.509], df[0.551,0.135], g[1.328,0.109]
1/1 [=====] - 0s 86ms/step
>5487, dr[0.563,0.324], df[0.459,0.022], g[1.318,0.089]
1/1 [=====] - 0s 89ms/step
>5488, dr[0.448,0.775], df[0.476,0.046], g[1.507,0.076]
1/1 [=====] - 0s 88ms/step
>5489, dr[0.641,0.460], df[0.477,0.055], g[1.114,0.050]
1/1 [=====] - 0s 98ms/step
>5490, dr[0.531,0.244], df[0.503,0.027], g[1.580,0.079]
1/1 [=====] - 0s 95ms/step
>5491, dr[0.543,0.557], df[0.573,0.108], g[1.258,0.119]
1/1 [=====] - 0s 101ms/step
>5492, dr[0.505,0.206], df[0.391,0.033], g[1.278,0.159]
1/1 [=====] - 0s 89ms/step
>5493, dr[0.398,0.430], df[0.571,0.061], g[1.588,0.098]
1/1 [=====] - 0s 92ms/step
>5494, dr[0.485,0.621], df[0.472,0.024], g[1.429,0.103]
1/1 [=====] - 0s 98ms/step
>5495, dr[0.413,0.717], df[0.571,0.092], g[1.266,0.212]
1/1 [=====] - 0s 94ms/step
>5496, dr[0.566,0.485], df[0.545,0.217], g[1.280,0.094]
1/1 [=====] - 0s 95ms/step
>5497, dr[0.536,0.597], df[0.530,0.035], g[1.131,0.130]
1/1 [=====] - 0s 101ms/step
>5498, dr[0.491,0.462], df[0.506,0.107], g[1.531,0.165]
1/1 [=====] - 0s 92ms/step
>5499, dr[0.466,0.540], df[0.587,0.118], g[1.512,0.048]
1/1 [=====] - 0s 92ms/step
>5500, dr[0.607,0.426], df[0.530,0.117], g[1.414,0.198]
1/1 [=====] - 0s 98ms/step
>5501, dr[0.791,0.487], df[0.541,0.076], g[1.403,0.138]
1/1 [=====] - 0s 97ms/step
>5502, dr[0.590,0.737], df[0.610,0.110], g[1.468,0.045]
1/1 [=====] - 0s 96ms/step
>5503, dr[0.491,0.403], df[0.539,0.080], g[1.414,0.201]
1/1 [=====] - 0s 104ms/step
>5504, dr[0.689,0.172], df[0.556,0.041], g[1.445,0.137]
1/1 [=====] - 0s 118ms/step
>5505, dr[0.502,0.971], df[0.433,0.023], g[1.175,0.113]
1/1 [=====] - 0s 96ms/step
>5506, dr[0.434,0.302], df[0.616,0.184], g[1.301,0.085]
1/1 [=====] - 0s 114ms/step
>5507, dr[0.633,0.292], df[0.665,0.029], g[1.298,0.076]
1/1 [=====] - 0s 94ms/step
>5508, dr[0.490,0.367], df[0.568,0.119], g[1.508,0.112]
1/1 [=====] - 0s 98ms/step
>5509, dr[0.569,0.569], df[0.508,0.140], g[1.313,0.097]
1/1 [=====] - 0s 102ms/step
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>5510, dr[0.684,0.946], df[0.672,0.055], g[1.534,0.067]
1/1 [=====] - 0s 100ms/step
>5511, dr[0.489,0.426], df[0.636,0.117], g[1.336,0.155]
1/1 [=====] - 0s 98ms/step
>5512, dr[0.527,0.454], df[0.578,0.056], g[1.351,0.141]
1/1 [=====] - 0s 106ms/step
>5513, dr[0.576,0.424], df[0.628,0.058], g[1.515,0.135]
1/1 [=====] - 0s 90ms/step
>5514, dr[0.500,0.411], df[0.559,0.112], g[1.559,0.081]
1/1 [=====] - 0s 91ms/step
>5515, dr[0.632,0.444], df[0.524,0.057], g[1.314,0.089]
1/1 [=====] - 0s 98ms/step
>5516, dr[0.491,0.476], df[0.345,0.026], g[1.510,0.069]
1/1 [=====] - 0s 99ms/step
>5517, dr[0.482,0.656], df[0.320,0.122], g[1.382,0.115]
1/1 [=====] - 0s 101ms/step
>5518, dr[0.461,0.901], df[0.800,0.082], g[1.210,0.148]
1/1 [=====] - 0s 103ms/step
>5519, dr[0.608,0.739], df[0.451,0.084], g[1.395,0.138]
1/1 [=====] - 0s 98ms/step
>5520, dr[0.492,0.531], df[0.485,0.030], g[1.407,0.136]
1/1 [=====] - 0s 96ms/step
>5521, dr[0.430,0.518], df[0.597,0.088], g[1.464,0.078]
1/1 [=====] - 0s 95ms/step
>5522, dr[0.492,0.752], df[0.624,0.059], g[1.316,0.146]
1/1 [=====] - 0s 106ms/step
>5523, dr[0.455,0.348], df[0.468,0.072], g[1.547,0.055]
1/1 [=====] - 0s 95ms/step
>5524, dr[0.619,0.558], df[0.487,0.082], g[1.443,0.113]
1/1 [=====] - 0s 86ms/step
>5525, dr[0.627,1.630], df[0.655,0.132], g[1.408,0.037]
1/1 [=====] - 0s 94ms/step
>5526, dr[0.623,0.347], df[0.579,0.030], g[1.363,0.058]
1/1 [=====] - 0s 93ms/step
>5527, dr[0.335,0.960], df[0.350,0.103], g[1.616,0.052]
1/1 [=====] - 0s 88ms/step
>5528, dr[0.563,0.713], df[0.357,0.026], g[1.412,0.120]
1/1 [=====] - 0s 93ms/step
>5529, dr[0.566,0.883], df[0.462,0.020], g[1.215,0.141]
1/1 [=====] - 0s 87ms/step
>5530, dr[0.478,0.615], df[0.547,0.112], g[1.178,0.160]
1/1 [=====] - 0s 93ms/step
>5531, dr[0.465,0.626], df[0.564,0.070], g[1.232,0.107]
1/1 [=====] - 0s 89ms/step
>5532, dr[0.314,0.312], df[0.555,0.051], g[1.604,0.130]
1/1 [=====] - 0s 93ms/step
>5533, dr[0.690,0.434], df[0.440,0.100], g[1.266,0.140]
1/1 [=====] - 0s 90ms/step
>5534, dr[0.447,0.879], df[0.501,0.112], g[1.493,0.058]
1/1 [=====] - 0s 98ms/step
>5535, dr[0.532,0.933], df[0.551,0.050], g[1.356,0.072]
1/1 [=====] - 0s 89ms/step
>5536, dr[0.593,0.440], df[0.491,0.053], g[1.614,0.179]
1/1 [=====] - 0s 96ms/step
>5537, dr[0.529,1.001], df[0.590,0.132], g[1.533,0.050]
1/1 [=====] - 0s 91ms/step
>5538, dr[0.377,0.394], df[0.424,0.085], g[1.493,0.062]
1/1 [=====] - 0s 86ms/step
>5539, dr[0.846,0.561], df[0.579,0.129], g[1.499,0.092]
1/1 [=====] - 0s 95ms/step
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>5540, dr[0.411,0.790], df[0.515,0.034], g[1.401,0.086]
1/1 [=====] - 0s 89ms/step
>5541, dr[0.543,0.978], df[0.620,0.172], g[1.358,0.064]
1/1 [=====] - 0s 86ms/step
>5542, dr[0.352,0.304], df[0.536,0.133], g[1.592,0.088]
1/1 [=====] - 0s 95ms/step
>5543, dr[1.004,0.729], df[0.787,0.215], g[1.452,0.193]
1/1 [=====] - 0s 85ms/step
>5544, dr[0.494,0.446], df[0.495,0.036], g[1.394,0.065]
1/1 [=====] - 0s 88ms/step
>5545, dr[0.481,0.530], df[0.672,0.079], g[1.430,0.118]
1/1 [=====] - 0s 94ms/step
>5546, dr[0.567,0.345], df[0.455,0.108], g[1.461,0.047]
1/1 [=====] - 0s 88ms/step
>5547, dr[0.305,0.507], df[0.436,0.068], g[1.308,0.150]
1/1 [=====] - 0s 91ms/step
>5548, dr[0.579,0.404], df[0.412,0.084], g[1.416,0.075]
1/1 [=====] - 0s 97ms/step
>5549, dr[0.740,0.431], df[0.423,0.084], g[1.264,0.122]
1/1 [=====] - 0s 88ms/step
>5550, dr[0.427,0.414], df[0.605,0.045], g[1.383,0.056]
1/1 [=====] - 0s 93ms/step
>5551, dr[0.418,0.408], df[0.486,0.070], g[1.236,0.130]
1/1 [=====] - 0s 89ms/step
>5552, dr[0.631,0.241], df[0.571,0.189], g[1.261,0.091]
1/1 [=====] - 0s 86ms/step
>5553, dr[0.301,0.634], df[0.482,0.069], g[1.410,0.047]
1/1 [=====] - 0s 95ms/step
>5554, dr[0.507,1.133], df[0.669,0.127], g[1.187,0.143]
1/1 [=====] - 0s 86ms/step
>5555, dr[0.447,0.884], df[0.648,0.072], g[1.662,0.087]
1/1 [=====] - 0s 86ms/step
>5556, dr[0.721,0.846], df[0.386,0.053], g[1.244,0.116]
1/1 [=====] - 0s 97ms/step
>5557, dr[0.371,0.666], df[0.432,0.079], g[1.495,0.151]
1/1 [=====] - 0s 85ms/step
>5558, dr[0.546,0.721], df[0.398,0.070], g[1.529,0.098]
1/1 [=====] - 0s 87ms/step
>5559, dr[0.579,0.484], df[0.477,0.059], g[1.176,0.142]
1/1 [=====] - 0s 94ms/step
>5560, dr[0.475,0.496], df[0.438,0.040], g[1.443,0.088]
1/1 [=====] - 0s 92ms/step
>5561, dr[0.461,0.421], df[0.810,0.135], g[1.097,0.075]
1/1 [=====] - 0s 87ms/step
>5562, dr[0.437,0.428], df[0.492,0.126], g[1.281,0.093]
1/1 [=====] - 0s 89ms/step
>5563, dr[0.414,0.762], df[0.401,0.075], g[1.217,0.135]
1/1 [=====] - 0s 89ms/step
>5564, dr[0.582,0.259], df[0.464,0.070], g[1.602,0.073]
1/1 [=====] - 0s 89ms/step
>5565, dr[0.400,0.256], df[0.260,0.107], g[1.323,0.058]
1/1 [=====] - 0s 92ms/step
>5566, dr[0.697,0.740], df[0.447,0.095], g[1.147,0.158]
1/1 [=====] - 0s 86ms/step
>5567, dr[0.419,0.732], df[0.801,0.052], g[1.297,0.148]
1/1 [=====] - 0s 92ms/step
>5568, dr[0.422,0.394], df[0.414,0.157], g[1.282,0.123]
1/1 [=====] - 0s 98ms/step
>5569, dr[0.418,0.223], df[0.504,0.074], g[1.213,0.097]
1/1 [=====] - 0s 105ms/step
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>5570, dr[0.432,0.613], df[0.372,0.160], g[1.436,0.096]
1/1 [=====] - 0s 101ms/step
>5571, dr[0.381,0.430], df[0.570,0.046], g[1.682,0.056]
1/1 [=====] - 0s 108ms/step
>5572, dr[0.482,0.592], df[0.704,0.081], g[1.382,0.039]
1/1 [=====] - 0s 90ms/step
>5573, dr[0.401,0.290], df[0.447,0.098], g[1.326,0.087]
1/1 [=====] - 0s 104ms/step
>5574, dr[0.555,0.348], df[0.441,0.067], g[1.450,0.083]
1/1 [=====] - 0s 105ms/step
>5575, dr[0.654,1.015], df[0.437,0.126], g[1.374,0.111]
1/1 [=====] - 0s 87ms/step
>5576, dr[0.618,0.696], df[0.396,0.047], g[1.379,0.095]
1/1 [=====] - 0s 97ms/step
>5577, dr[0.391,0.563], df[0.689,0.058], g[1.471,0.187]
1/1 [=====] - 0s 107ms/step
>5578, dr[0.472,0.502], df[0.493,0.113], g[1.405,0.171]
1/1 [=====] - 0s 113ms/step
>5579, dr[0.462,0.457], df[0.423,0.056], g[1.563,0.078]
1/1 [=====] - 0s 89ms/step
>5580, dr[0.426,0.249], df[0.478,0.050], g[1.508,0.137]
1/1 [=====] - 0s 105ms/step
>5581, dr[0.519,0.359], df[0.481,0.037], g[1.293,0.131]
1/1 [=====] - 0s 129ms/step
>5582, dr[0.933,0.852], df[0.649,0.052], g[1.293,0.076]
1/1 [=====] - 0s 103ms/step
>5583, dr[0.421,0.430], df[0.635,0.195], g[1.330,0.123]
1/1 [=====] - 0s 105ms/step
>5584, dr[0.485,0.899], df[0.632,0.112], g[1.447,0.096]
1/1 [=====] - 0s 93ms/step
>5585, dr[0.489,0.304], df[0.412,0.040], g[1.592,0.055]
1/1 [=====] - 0s 100ms/step
>5586, dr[0.372,0.349], df[0.500,0.198], g[1.482,0.118]
1/1 [=====] - 0s 109ms/step
>5587, dr[0.596,0.408], df[0.529,0.053], g[1.635,0.123]
1/1 [=====] - 0s 90ms/step
>5588, dr[0.644,0.411], df[0.681,0.113], g[1.411,0.092]
1/1 [=====] - 0s 96ms/step
>5589, dr[0.574,0.672], df[0.590,0.157], g[1.735,0.108]
1/1 [=====] - 0s 97ms/step
>5590, dr[0.532,0.661], df[0.444,0.061], g[1.339,0.080]
1/1 [=====] - 0s 112ms/step
>5591, dr[0.434,0.714], df[0.357,0.050], g[1.332,0.034]
1/1 [=====] - 0s 122ms/step
>5592, dr[0.604,0.462], df[0.523,0.107], g[1.353,0.122]
1/1 [=====] - 0s 98ms/step
>5593, dr[0.356,0.476], df[0.587,0.113], g[1.406,0.088]
1/1 [=====] - 0s 95ms/step
>5594, dr[0.533,0.670], df[0.770,0.094], g[1.251,0.086]
1/1 [=====] - 0s 89ms/step
>5595, dr[0.589,0.795], df[0.509,0.046], g[1.015,0.155]
1/1 [=====] - 0s 101ms/step
>5596, dr[0.569,0.746], df[0.455,0.049], g[1.523,0.095]
1/1 [=====] - 0s 113ms/step
>5597, dr[0.489,0.622], df[0.473,0.142], g[1.544,0.064]
1/1 [=====] - 0s 97ms/step
>5598, dr[0.490,0.641], df[0.472,0.064], g[1.314,0.138]
1/1 [=====] - 0s 100ms/step
>5599, dr[0.474,0.419], df[0.735,0.035], g[1.261,0.166]
1/1 [=====] - 0s 92ms/step
```

```

>5600, dr[0.493,0.438], df[0.467,0.185], g[1.505,0.076]
1/1 [=====] - 0s 105ms/step
>5601, dr[0.479,0.567], df[0.485,0.170], g[1.457,0.081]
1/1 [=====] - 0s 106ms/step
>5602, dr[0.436,0.265], df[0.396,0.084], g[1.371,0.053]
1/1 [=====] - 0s 95ms/step
>5603, dr[0.514,0.491], df[0.411,0.104], g[1.323,0.075]
1/1 [=====] - 0s 96ms/step
>5604, dr[0.670,0.618], df[0.337,0.083], g[1.210,0.057]
1/1 [=====] - 0s 91ms/step
>5605, dr[0.391,0.376], df[0.761,0.065], g[1.240,0.149]
1/1 [=====] - 0s 109ms/step
>5606, dr[0.491,0.609], df[0.414,0.148], g[1.317,0.170]
1/1 [=====] - 0s 107ms/step
>5607, dr[0.449,0.571], df[0.659,0.050], g[1.536,0.087]
1/1 [=====] - 0s 99ms/step
>5608, dr[0.471,0.502], df[0.524,0.088], g[1.555,0.077]
1/1 [=====] - 0s 96ms/step
>5609, dr[0.602,0.719], df[0.512,0.061], g[1.383,0.096]
1/1 [=====] - 0s 95ms/step
>5610, dr[0.563,0.977], df[0.798,0.094], g[1.501,0.062]
1/1 [=====] - 0s 90ms/step
>5611, dr[0.536,0.537], df[0.366,0.081], g[1.308,0.117]
1/1 [=====] - 0s 87ms/step
>5612, dr[0.376,0.832], df[0.501,0.127], g[1.640,0.097]
1/1 [=====] - 0s 96ms/step
>5613, dr[0.578,0.579], df[0.552,0.098], g[1.441,0.118]
1/1 [=====] - 0s 104ms/step
>5614, dr[0.602,0.523], df[0.466,0.039], g[1.143,0.098]
1/1 [=====] - 0s 90ms/step
>5615, dr[0.506,0.395], df[0.739,0.099], g[1.439,0.198]
1/1 [=====] - 0s 106ms/step
>5616, dr[0.521,0.560], df[0.589,0.019], g[1.369,0.067]
1/1 [=====] - 0s 89ms/step
>5617, dr[0.559,0.362], df[0.469,0.165], g[1.313,0.091]
1/1 [=====] - 0s 86ms/step
>5618, dr[0.546,0.321], df[0.643,0.326], g[1.444,0.112]
1/1 [=====] - 0s 92ms/step
>5619, dr[0.625,0.561], df[0.478,0.201], g[1.434,0.156]
1/1 [=====] - 0s 101ms/step
>5620, dr[0.721,0.380], df[0.540,0.050], g[1.452,0.071]
1/1 [=====] - 0s 89ms/step
>5621, dr[0.434,0.397], df[0.708,0.155], g[1.435,0.188]
1/1 [=====] - 0s 109ms/step
>5622, dr[0.510,0.640], df[0.335,0.032], g[1.510,0.075]
4/4 [=====] - 0s 67ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_5622.png and model_5622.h5
The runtime to fit this model was: 1:02:29.495033.

```

Let's show a summary of the discriminator structure.

In [2]: `discriminator.summary()`

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

5.2) Evaluate Model Performance

Let's generate fake images that can be used to calculate the inception scores.

In [4]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np


model = load_model('model_5622.h5')
latent_dim = 100
n_examples = 300


# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()


# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0


# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```

n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 71ms/step
10/10 [=====] - 1s 74ms/step
10/10 [=====] - 1s 74ms/step
10/10 [=====] - 1s 75ms/step
10/10 [=====] - 1s 73ms/step
10/10 [=====] - 1s 73ms/step
10/10 [=====] - 1s 75ms/step
10/10 [=====] - 1s 76ms/step
10/10 [=====] - 1s 75ms/step
10/10 [=====] - 1s 74ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [5]:

```
# calculate inception score in Keras
from math import floor
```

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 21s 2s/step
10/10 [=====] - 24s 2s/step
10/10 [=====] - 28s 2s/step
10/10 [=====] - 21s 2s/step
10/10 [=====] - 20s 2s/step
10/10 [=====] - 23s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 24s 2s/step
10/10 [=====] - 18s 2s/step
score 1.2147644 0.0070868954
```

6) Model 5 - Experimentation with AC-GAN's Dropout Rates

6.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.35)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.35)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.35)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.35)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)

```

```

# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and Label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)

```

```

# generate Labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in Latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=6, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in Latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error

```

```
_ ,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f,
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
    warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 191ms/step  
>1, dr[0.755,2.976], df[1.297,2.877], g[0.707,2.931]  
1/1 [=====] - 0s 76ms/step  
>2, dr[0.433,2.942], df[1.149,3.091], g[0.820,3.107]  
1/1 [=====] - 0s 72ms/step  
>3, dr[0.636,2.495], df[0.898,2.935], g[1.140,2.882]  
1/1 [=====] - 0s 77ms/step  
>4, dr[0.522,2.906], df[0.780,2.357], g[1.190,3.206]  
1/1 [=====] - 0s 83ms/step  
>5, dr[0.392,2.549], df[0.554,2.949], g[1.681,2.949]  
1/1 [=====] - 0s 78ms/step  
>6, dr[0.436,1.967], df[0.501,2.805], g[1.835,2.946]  
1/1 [=====] - 0s 77ms/step  
>7, dr[0.619,1.739], df[0.562,2.950], g[1.447,3.054]  
1/1 [=====] - 0s 84ms/step  
>8, dr[0.281,2.022], df[0.914,3.200], g[1.361,2.924]  
1/1 [=====] - 0s 74ms/step  
>9, dr[0.355,1.772], df[0.567,3.136], g[1.646,2.835]  
1/1 [=====] - 0s 73ms/step  
>10, dr[0.378,1.652], df[0.278,2.586], g[1.460,2.991]  
1/1 [=====] - 0s 73ms/step  
>11, dr[0.380,1.889], df[0.293,2.881], g[1.160,3.090]  
1/1 [=====] - 0s 77ms/step  
>12, dr[0.227,2.011], df[0.296,2.882], g[1.008,2.728]  
1/1 [=====] - 0s 71ms/step  
>13, dr[0.228,1.477], df[0.378,3.017], g[0.996,2.751]  
1/1 [=====] - 0s 79ms/step  
>14, dr[0.403,1.910], df[0.409,2.756], g[0.697,2.902]  
1/1 [=====] - 0s 78ms/step  
>15, dr[0.305,1.635], df[0.125,2.739], g[0.511,3.007]  
1/1 [=====] - 0s 86ms/step  
>16, dr[0.224,1.699], df[0.193,3.101], g[0.445,2.965]  
1/1 [=====] - 0s 88ms/step  
>17, dr[0.181,1.364], df[0.171,2.823], g[0.362,3.307]  
1/1 [=====] - 0s 81ms/step  
>18, dr[0.162,1.446], df[0.125,2.828], g[0.257,2.876]  
1/1 [=====] - 0s 87ms/step  
>19, dr[0.174,1.184], df[0.200,3.012], g[0.210,2.934]  
1/1 [=====] - 0s 72ms/step  
>20, dr[0.182,1.250], df[0.119,3.274], g[0.195,2.772]  
1/1 [=====] - 0s 76ms/step  
>21, dr[0.222,1.899], df[0.087,3.021], g[0.130,2.840]  
1/1 [=====] - 0s 74ms/step  
>22, dr[0.262,1.237], df[0.099,2.865], g[0.103,2.973]  
1/1 [=====] - 0s 73ms/step  
>23, dr[0.158,1.201], df[0.170,3.099], g[0.143,2.738]  
1/1 [=====] - 0s 80ms/step  
>24, dr[0.062,1.194], df[0.079,2.784], g[0.154,2.682]  
1/1 [=====] - 0s 76ms/step  
>25, dr[0.095,1.332], df[0.082,2.740], g[0.103,2.926]  
1/1 [=====] - 0s 81ms/step  
>26, dr[0.103,1.297], df[0.068,2.683], g[0.079,2.989]  
1/1 [=====] - 0s 82ms/step  
>27, dr[0.119,2.215], df[0.054,2.952], g[0.072,2.758]  
1/1 [=====] - 0s 75ms/step  
>28, dr[0.188,1.386], df[0.097,3.462], g[0.057,2.941]  
1/1 [=====] - 0s 76ms/step  
>29, dr[0.064,1.637], df[0.042,2.797], g[0.059,3.230]  
1/1 [=====] - 0s 80ms/step
```

```
>30, dr[0.051,1.377], df[0.134,3.057], g[0.072,2.756]
1/1 [=====] - 0s 78ms/step
>31, dr[0.053,1.529], df[0.091,2.877], g[0.072,2.973]
1/1 [=====] - 0s 78ms/step
>32, dr[0.078,1.240], df[0.060,3.501], g[0.105,3.071]
1/1 [=====] - 0s 95ms/step
>33, dr[0.036,1.245], df[0.073,2.754], g[0.104,3.191]
1/1 [=====] - 0s 91ms/step
>34, dr[0.115,1.093], df[0.061,3.606], g[0.125,2.765]
1/1 [=====] - 0s 95ms/step
>35, dr[0.033,0.943], df[0.054,2.753], g[0.166,2.976]
1/1 [=====] - 0s 99ms/step
>36, dr[0.046,1.405], df[0.032,2.694], g[0.129,2.928]
1/1 [=====] - 0s 76ms/step
>37, dr[0.082,1.238], df[0.072,2.628], g[0.060,2.870]
1/1 [=====] - 0s 82ms/step
>38, dr[0.066,1.056], df[0.052,3.072], g[0.063,3.186]
1/1 [=====] - 0s 99ms/step
>39, dr[0.104,1.245], df[0.058,2.552], g[0.075,2.912]
1/1 [=====] - 0s 93ms/step
>40, dr[0.093,1.326], df[0.082,2.763], g[0.097,2.728]
1/1 [=====] - 0s 127ms/step
>41, dr[0.057,1.417], df[0.034,3.113], g[0.056,3.068]
1/1 [=====] - 0s 103ms/step
>42, dr[0.058,1.144], df[0.032,2.964], g[0.088,3.056]
1/1 [=====] - 0s 113ms/step
>43, dr[0.048,1.429], df[0.065,3.359], g[0.071,2.957]
1/1 [=====] - 0s 87ms/step
>44, dr[0.067,0.824], df[0.057,2.704], g[0.068,3.312]
1/1 [=====] - 0s 81ms/step
>45, dr[0.033,1.078], df[0.039,2.945], g[0.077,2.959]
1/1 [=====] - 0s 80ms/step
>46, dr[0.073,0.862], df[0.076,3.050], g[0.084,3.036]
1/1 [=====] - 0s 78ms/step
>47, dr[0.064,0.885], df[0.023,3.385], g[0.102,2.830]
1/1 [=====] - 0s 80ms/step
>48, dr[0.055,0.957], df[0.024,3.029], g[0.085,3.202]
1/1 [=====] - 0s 81ms/step
>49, dr[0.091,0.642], df[0.035,2.903], g[0.060,2.881]
1/1 [=====] - 0s 81ms/step
>50, dr[0.034,1.256], df[0.027,3.405], g[0.066,2.931]
1/1 [=====] - 0s 93ms/step
>51, dr[0.024,1.172], df[0.074,2.663], g[0.062,2.726]
1/1 [=====] - 0s 86ms/step
>52, dr[0.030,0.850], df[0.045,2.583], g[0.094,2.739]
1/1 [=====] - 0s 96ms/step
>53, dr[0.095,0.905], df[0.052,3.037], g[0.039,2.828]
1/1 [=====] - 0s 98ms/step
>54, dr[0.022,1.157], df[0.060,2.716], g[0.043,2.987]
1/1 [=====] - 0s 95ms/step
>55, dr[0.061,1.278], df[0.080,2.682], g[0.034,2.943]
1/1 [=====] - 0s 102ms/step
>56, dr[0.070,1.022], df[0.063,2.896], g[0.062,2.810]
1/1 [=====] - 0s 97ms/step
>57, dr[0.092,1.477], df[0.061,2.779], g[0.057,2.623]
1/1 [=====] - 0s 83ms/step
>58, dr[0.051,0.932], df[0.056,2.560], g[0.054,2.965]
1/1 [=====] - 0s 83ms/step
>59, dr[0.119,1.007], df[0.042,2.742], g[0.034,2.654]
1/1 [=====] - 0s 85ms/step
```

```
>60, dr[0.073,0.886], df[0.059,2.706], g[0.059,3.005]
1/1 [=====] - 0s 78ms/step
>61, dr[0.039,0.940], df[0.056,2.768], g[0.053,2.893]
1/1 [=====] - 0s 83ms/step
>62, dr[0.020,1.149], df[0.077,2.859], g[0.080,2.716]
1/1 [=====] - 0s 86ms/step
>63, dr[0.036,1.376], df[0.047,3.025], g[0.150,2.630]
1/1 [=====] - 0s 83ms/step
>64, dr[0.095,1.276], df[0.058,3.087], g[0.054,2.779]
1/1 [=====] - 0s 84ms/step
>65, dr[0.043,0.902], df[0.013,2.691], g[0.041,2.899]
1/1 [=====] - 0s 82ms/step
>66, dr[0.113,1.082], df[0.028,2.606], g[0.023,2.771]
1/1 [=====] - 0s 82ms/step
>67, dr[0.023,1.301], df[0.032,2.983], g[0.033,2.392]
1/1 [=====] - 0s 86ms/step
>68, dr[0.050,0.818], df[0.092,2.693], g[0.062,2.578]
1/1 [=====] - 0s 82ms/step
>69, dr[0.033,0.920], df[0.021,2.948], g[0.065,2.517]
1/1 [=====] - 0s 92ms/step
>70, dr[0.057,1.249], df[0.054,2.702], g[0.104,2.668]
1/1 [=====] - 0s 90ms/step
>71, dr[0.017,1.126], df[0.064,2.595], g[0.086,2.717]
1/1 [=====] - 0s 85ms/step
>72, dr[0.062,0.822], df[0.037,3.151], g[0.038,2.882]
1/1 [=====] - 0s 93ms/step
>73, dr[0.032,0.701], df[0.058,2.891], g[0.044,2.503]
1/1 [=====] - 0s 95ms/step
>74, dr[0.042,0.862], df[0.012,2.674], g[0.053,2.728]
1/1 [=====] - 0s 90ms/step
>75, dr[0.098,1.110], df[0.025,2.660], g[0.053,2.500]
1/1 [=====] - 0s 90ms/step
>76, dr[0.041,0.547], df[0.039,2.857], g[0.030,2.493]
1/1 [=====] - 0s 91ms/step
>77, dr[0.013,0.824], df[0.022,2.707], g[0.032,2.676]
1/1 [=====] - 0s 85ms/step
>78, dr[0.073,1.069], df[0.121,2.600], g[0.036,2.565]
1/1 [=====] - 0s 83ms/step
>79, dr[0.021,0.834], df[0.096,2.379], g[0.070,2.396]
1/1 [=====] - 0s 92ms/step
>80, dr[0.104,1.131], df[0.032,2.362], g[0.110,2.692]
1/1 [=====] - 0s 84ms/step
>81, dr[0.142,1.369], df[0.098,2.763], g[0.087,2.837]
1/1 [=====] - 0s 91ms/step
>82, dr[0.034,0.669], df[0.073,2.272], g[0.064,2.849]
1/1 [=====] - 0s 93ms/step
>83, dr[0.077,0.703], df[0.081,2.751], g[0.104,2.412]
1/1 [=====] - 0s 130ms/step
>84, dr[0.097,0.875], df[0.305,2.436], g[0.187,2.800]
1/1 [=====] - 0s 94ms/step
>85, dr[0.133,1.238], df[0.087,2.406], g[0.212,2.174]
1/1 [=====] - 0s 88ms/step
>86, dr[0.133,0.995], df[0.087,2.206], g[0.191,2.389]
1/1 [=====] - 0s 94ms/step
>87, dr[0.078,0.715], df[0.142,2.353], g[0.220,2.456]
1/1 [=====] - 0s 87ms/step
>88, dr[0.129,0.842], df[0.063,2.215], g[0.211,2.266]
1/1 [=====] - 0s 104ms/step
>89, dr[0.106,0.825], df[0.079,2.460], g[0.118,2.272]
1/1 [=====] - 0s 92ms/step
```

```
>90, dr[0.072,1.000], df[0.045,2.397], g[0.076,2.354]
1/1 [=====] - 0s 94ms/step
>91, dr[0.084,1.358], df[0.046,2.024], g[0.036,2.451]
1/1 [=====] - 0s 106ms/step
>92, dr[0.133,0.943], df[0.087,1.935], g[0.034,1.705]
1/1 [=====] - 0s 92ms/step
>93, dr[0.020,0.993], df[0.042,2.050], g[0.035,1.690]
1/1 [=====] - 0s 90ms/step
>94, dr[0.042,0.626], df[0.023,2.238], g[0.041,2.064]
1/1 [=====] - 0s 92ms/step
>95, dr[0.052,1.172], df[0.088,2.055], g[0.060,2.348]
1/1 [=====] - 0s 92ms/step
>96, dr[0.115,0.775], df[0.177,1.787], g[0.100,1.822]
1/1 [=====] - 0s 87ms/step
>97, dr[0.103,0.716], df[0.049,1.788], g[0.104,1.911]
1/1 [=====] - 0s 94ms/step
>98, dr[0.118,1.043], df[0.111,1.548], g[0.062,1.693]
1/1 [=====] - 0s 106ms/step
>99, dr[0.097,0.855], df[0.058,1.347], g[0.049,1.689]
1/1 [=====] - 0s 99ms/step
>100, dr[0.100,0.768], df[0.161,1.656], g[0.080,1.666]
1/1 [=====] - 0s 107ms/step
>101, dr[0.139,0.945], df[0.065,1.429], g[0.046,1.479]
1/1 [=====] - 0s 88ms/step
>102, dr[0.162,0.842], df[0.088,1.331], g[0.040,1.527]
1/1 [=====] - 0s 96ms/step
>103, dr[0.046,1.100], df[0.208,1.551], g[0.119,1.417]
1/1 [=====] - 0s 83ms/step
>104, dr[0.092,0.409], df[0.056,1.240], g[0.149,1.458]
1/1 [=====] - 0s 89ms/step
>105, dr[0.077,0.853], df[0.049,1.338], g[0.086,1.299]
1/1 [=====] - 0s 81ms/step
>106, dr[0.079,1.034], df[0.163,1.035], g[0.084,1.562]
1/1 [=====] - 0s 92ms/step
>107, dr[0.116,1.647], df[0.056,1.424], g[0.082,1.136]
1/1 [=====] - 0s 86ms/step
>108, dr[0.147,0.472], df[0.083,1.421], g[0.077,1.284]
1/1 [=====] - 0s 78ms/step
>109, dr[0.122,0.847], df[0.236,1.383], g[0.069,1.028]
1/1 [=====] - 0s 90ms/step
>110, dr[0.122,0.784], df[0.044,1.034], g[0.129,1.119]
1/1 [=====] - 0s 81ms/step
>111, dr[0.184,0.830], df[0.128,0.940], g[0.051,1.129]
1/1 [=====] - 0s 79ms/step
>112, dr[0.072,0.900], df[0.124,0.931], g[0.059,1.085]
1/1 [=====] - 0s 83ms/step
>113, dr[0.177,0.575], df[0.115,0.795], g[0.037,0.865]
1/1 [=====] - 0s 79ms/step
>114, dr[0.075,1.039], df[0.095,0.987], g[0.040,0.983]
1/1 [=====] - 0s 83ms/step
>115, dr[0.075,0.839], df[0.041,0.778], g[0.037,1.105]
1/1 [=====] - 0s 85ms/step
>116, dr[0.048,0.757], df[0.025,0.875], g[0.052,0.695]
1/1 [=====] - 0s 80ms/step
>117, dr[0.077,0.713], df[0.059,0.775], g[0.029,0.856]
1/1 [=====] - 0s 86ms/step
>118, dr[0.036,0.981], df[0.088,1.023], g[0.042,0.661]
1/1 [=====] - 0s 77ms/step
>119, dr[0.073,1.176], df[0.095,0.857], g[0.081,0.905]
1/1 [=====] - 0s 80ms/step
```

```
>120, dr[0.078,0.781], df[0.089,0.660], g[0.055,0.590]
1/1 [=====] - 0s 83ms/step
>121, dr[0.088,0.720], df[0.090,0.780], g[0.038,0.736]
1/1 [=====] - 0s 97ms/step
>122, dr[0.090,0.987], df[0.058,0.738], g[0.082,0.618]
1/1 [=====] - 0s 85ms/step
>123, dr[0.040,0.707], df[0.084,0.554], g[0.065,0.555]
1/1 [=====] - 0s 82ms/step
>124, dr[0.127,1.145], df[0.035,0.652], g[0.037,0.788]
1/1 [=====] - 0s 80ms/step
>125, dr[0.056,0.835], df[0.167,0.622], g[0.086,0.530]
1/1 [=====] - 0s 85ms/step
>126, dr[0.066,0.956], df[0.088,0.532], g[0.053,0.429]
1/1 [=====] - 0s 77ms/step
>127, dr[0.061,0.731], df[0.013,0.456], g[0.060,0.624]
1/1 [=====] - 0s 82ms/step
>128, dr[0.085,0.709], df[0.046,0.437], g[0.050,0.378]
1/1 [=====] - 0s 83ms/step
>129, dr[0.052,0.789], df[0.139,0.460], g[0.075,0.425]
1/1 [=====] - 0s 76ms/step
>130, dr[0.126,1.122], df[0.081,0.353], g[0.078,0.525]
1/1 [=====] - 0s 78ms/step
>131, dr[0.077,1.128], df[0.057,0.224], g[0.068,0.346]
1/1 [=====] - 0s 83ms/step
>132, dr[0.051,0.722], df[0.027,0.376], g[0.049,0.494]
1/1 [=====] - 0s 80ms/step
>133, dr[0.032,0.681], df[0.050,0.525], g[0.086,0.422]
1/1 [=====] - 0s 92ms/step
>134, dr[0.048,0.603], df[0.033,0.557], g[0.069,0.306]
1/1 [=====] - 0s 85ms/step
>135, dr[0.070,0.826], df[0.064,0.282], g[0.043,0.464]
1/1 [=====] - 0s 88ms/step
>136, dr[0.038,0.860], df[0.020,0.244], g[0.043,0.329]
1/1 [=====] - 0s 89ms/step
>137, dr[0.063,1.032], df[0.021,0.316], g[0.017,0.275]
1/1 [=====] - 0s 85ms/step
>138, dr[0.050,0.668], df[0.031,0.346], g[0.033,0.265]
1/1 [=====] - 0s 90ms/step
>139, dr[0.018,0.947], df[0.065,0.358], g[0.058,0.340]
1/1 [=====] - 0s 92ms/step
>140, dr[0.020,0.616], df[0.028,0.305], g[0.068,0.218]
1/1 [=====] - 0s 82ms/step
>141, dr[0.062,1.361], df[0.019,0.307], g[0.038,0.418]
1/1 [=====] - 0s 98ms/step
>142, dr[0.067,1.016], df[0.058,0.221], g[0.021,0.303]
1/1 [=====] - 0s 86ms/step
>143, dr[0.025,0.639], df[0.042,0.141], g[0.030,0.182]
1/1 [=====] - 0s 85ms/step
>144, dr[0.022,0.811], df[0.049,0.224], g[0.039,0.241]
1/1 [=====] - 0s 82ms/step
>145, dr[0.018,0.714], df[0.015,0.175], g[0.057,0.227]
1/1 [=====] - 0s 81ms/step
>146, dr[0.031,0.603], df[0.006,0.232], g[0.034,0.197]
1/1 [=====] - 0s 80ms/step
>147, dr[0.007,0.958], df[0.014,0.219], g[0.026,0.209]
1/1 [=====] - 0s 101ms/step
>148, dr[0.019,0.964], df[0.010,0.229], g[0.021,0.197]
1/1 [=====] - 0s 83ms/step
>149, dr[0.034,0.699], df[0.033,0.193], g[0.035,0.224]
1/1 [=====] - 0s 96ms/step
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>150, dr[0.022,0.799], df[0.086,0.149], g[0.036,0.097]
1/1 [=====] - 0s 92ms/step
>151, dr[0.044,0.651], df[0.017,0.147], g[0.047,0.187]
1/1 [=====] - 0s 94ms/step
>152, dr[0.087,0.686], df[0.043,0.173], g[0.032,0.147]
1/1 [=====] - 0s 87ms/step
>153, dr[0.014,0.759], df[0.019,0.106], g[0.042,0.100]
1/1 [=====] - 0s 167ms/step
>154, dr[0.012,0.879], df[0.007,0.194], g[0.040,0.142]
1/1 [=====] - 0s 85ms/step
>155, dr[0.022,0.899], df[0.016,0.141], g[0.015,0.109]
1/1 [=====] - 0s 85ms/step
>156, dr[0.047,0.996], df[0.009,0.120], g[0.017,0.127]
1/1 [=====] - 0s 93ms/step
>157, dr[0.010,0.998], df[0.013,0.108], g[0.019,0.159]
1/1 [=====] - 0s 83ms/step
>158, dr[0.019,1.403], df[0.033,0.118], g[0.018,0.184]
1/1 [=====] - 0s 79ms/step
>159, dr[0.015,1.068], df[0.015,0.110], g[0.017,0.129]
1/1 [=====] - 0s 80ms/step
>160, dr[0.018,1.086], df[0.055,0.102], g[0.033,0.225]
1/1 [=====] - 0s 83ms/step
>161, dr[0.038,0.894], df[0.016,0.210], g[0.039,0.176]
1/1 [=====] - 0s 79ms/step
>162, dr[0.014,0.880], df[0.035,0.109], g[0.033,0.132]
1/1 [=====] - 0s 86ms/step
>163, dr[0.028,0.848], df[0.006,0.161], g[0.019,0.132]
1/1 [=====] - 0s 87ms/step
>164, dr[0.016,0.532], df[0.023,0.067], g[0.012,0.137]
1/1 [=====] - 0s 82ms/step
>165, dr[0.032,1.134], df[0.014,0.114], g[0.015,0.088]
1/1 [=====] - 0s 82ms/step
>166, dr[0.027,0.911], df[0.022,0.070], g[0.014,0.109]
1/1 [=====] - 0s 80ms/step
>167, dr[0.047,0.478], df[0.045,0.061], g[0.024,0.089]
1/1 [=====] - 0s 92ms/step
>168, dr[0.035,0.793], df[0.017,0.137], g[0.030,0.100]
1/1 [=====] - 0s 90ms/step
>169, dr[0.015,1.119], df[0.009,0.093], g[0.038,0.053]
1/1 [=====] - 0s 78ms/step
>170, dr[0.028,0.779], df[0.017,0.134], g[0.022,0.072]
1/1 [=====] - 0s 91ms/step
>171, dr[0.019,0.843], df[0.026,0.130], g[0.046,0.114]
1/1 [=====] - 0s 89ms/step
>172, dr[0.019,0.853], df[0.020,0.072], g[0.032,0.051]
1/1 [=====] - 0s 80ms/step
>173, dr[0.027,0.966], df[0.015,0.054], g[0.046,0.113]
1/1 [=====] - 0s 92ms/step
>174, dr[0.037,0.508], df[0.045,0.080], g[0.027,0.068]
1/1 [=====] - 0s 89ms/step
>175, dr[0.038,0.964], df[0.011,0.054], g[0.027,0.119]
1/1 [=====] - 0s 80ms/step
>176, dr[0.021,0.251], df[0.010,0.155], g[0.015,0.067]
1/1 [=====] - 0s 88ms/step
>177, dr[0.012,0.750], df[0.010,0.041], g[0.022,0.055]
1/1 [=====] - 0s 82ms/step
>178, dr[0.019,0.827], df[0.045,0.052], g[0.030,0.077]
1/1 [=====] - 0s 81ms/step
>179, dr[0.011,0.725], df[0.007,0.089], g[0.020,0.064]
1/1 [=====] - 0s 83ms/step
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>180, dr[0.033,0.783], df[0.012,0.102], g[0.016,0.093]
1/1 [=====] - 0s 79ms/step
>181, dr[0.015,0.976], df[0.017,0.077], g[0.015,0.052]
1/1 [=====] - 0s 101ms/step
>182, dr[0.008,0.938], df[0.028,0.057], g[0.024,0.053]
1/1 [=====] - 0s 97ms/step
>183, dr[0.008,0.815], df[0.008,0.086], g[0.013,0.051]
1/1 [=====] - 0s 88ms/step
>184, dr[0.005,1.473], df[0.012,0.047], g[0.027,0.050]
1/1 [=====] - 0s 93ms/step
>185, dr[0.028,0.789], df[0.007,0.062], g[0.019,0.075]
1/1 [=====] - 0s 105ms/step
>186, dr[0.009,0.557], df[0.020,0.053], g[0.032,0.068]
1/1 [=====] - 0s 86ms/step
>187, dr[0.011,0.947], df[0.009,0.086], g[0.013,0.043]
1/1 [=====] - 0s 82ms/step
>188, dr[0.014,0.741], df[0.020,0.059], g[0.014,0.049]
1/1 [=====] - 0s 144ms/step
>189, dr[0.026,0.455], df[0.009,0.054], g[0.017,0.075]
1/1 [=====] - 0s 85ms/step
>190, dr[0.012,1.067], df[0.024,0.053], g[0.015,0.086]
1/1 [=====] - 0s 84ms/step
>191, dr[0.019,0.862], df[0.004,0.031], g[0.024,0.122]
1/1 [=====] - 0s 89ms/step
>192, dr[0.014,0.623], df[0.008,0.073], g[0.019,0.111]
1/1 [=====] - 0s 91ms/step
>193, dr[0.011,0.824], df[0.004,0.056], g[0.020,0.060]
1/1 [=====] - 0s 87ms/step
>194, dr[0.012,1.156], df[0.010,0.090], g[0.022,0.043]
1/1 [=====] - 0s 84ms/step
>195, dr[0.011,0.646], df[0.011,0.092], g[0.008,0.077]
1/1 [=====] - 0s 86ms/step
>196, dr[0.007,0.805], df[0.055,0.046], g[0.028,0.039]
1/1 [=====] - 0s 80ms/step
>197, dr[0.010,0.603], df[0.006,0.040], g[0.046,0.029]
1/1 [=====] - 0s 83ms/step
>198, dr[0.017,0.551], df[0.006,0.054], g[0.028,0.062]
1/1 [=====] - 0s 84ms/step
>199, dr[0.008,0.775], df[0.016,0.039], g[0.048,0.049]
1/1 [=====] - 0s 80ms/step
>200, dr[0.015,0.532], df[0.010,0.088], g[0.036,0.041]
1/1 [=====] - 0s 85ms/step
>201, dr[0.006,0.790], df[0.005,0.039], g[0.029,0.080]
1/1 [=====] - 0s 83ms/step
>202, dr[0.050,0.955], df[0.015,0.057], g[0.011,0.097]
1/1 [=====] - 0s 85ms/step
>203, dr[0.005,0.765], df[0.019,0.076], g[0.015,0.085]
1/1 [=====] - 0s 85ms/step
>204, dr[0.012,0.484], df[0.011,0.043], g[0.015,0.054]
1/1 [=====] - 0s 80ms/step
>205, dr[0.023,0.597], df[0.011,0.046], g[0.014,0.038]
1/1 [=====] - 0s 85ms/step
>206, dr[0.010,1.090], df[0.010,0.040], g[0.019,0.050]
1/1 [=====] - 0s 85ms/step
>207, dr[0.012,0.522], df[0.012,0.065], g[0.031,0.063]
1/1 [=====] - 0s 80ms/step
>208, dr[0.015,0.648], df[0.012,0.036], g[0.036,0.065]
1/1 [=====] - 0s 83ms/step
>209, dr[0.030,0.740], df[0.005,0.027], g[0.023,0.046]
1/1 [=====] - 0s 79ms/step
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>210, dr[0.023,0.672], df[0.010,0.055], g[0.023,0.055]
1/1 [=====] - 0s 80ms/step
>211, dr[0.012,0.843], df[0.008,0.045], g[0.019,0.061]
1/1 [=====] - 0s 86ms/step
>212, dr[0.009,0.377], df[0.036,0.042], g[0.048,0.058]
1/1 [=====] - 0s 78ms/step
>213, dr[0.016,0.872], df[0.006,0.025], g[0.036,0.047]
1/1 [=====] - 0s 79ms/step
>214, dr[0.011,0.479], df[0.003,0.061], g[0.040,0.063]
1/1 [=====] - 0s 89ms/step
>215, dr[0.019,0.590], df[0.028,0.032], g[0.031,0.068]
1/1 [=====] - 0s 79ms/step
>216, dr[0.024,0.837], df[0.010,0.042], g[0.012,0.060]
1/1 [=====] - 0s 82ms/step
>217, dr[0.009,0.744], df[0.012,0.020], g[0.019,0.031]
1/1 [=====] - 0s 83ms/step
>218, dr[0.010,0.798], df[0.004,0.081], g[0.031,0.040]
1/1 [=====] - 0s 79ms/step
>219, dr[0.010,0.656], df[0.009,0.034], g[0.020,0.061]
1/1 [=====] - 0s 86ms/step
>220, dr[0.025,0.458], df[0.015,0.024], g[0.012,0.044]
1/1 [=====] - 0s 78ms/step
>221, dr[0.009,0.784], df[0.008,0.018], g[0.027,0.035]
1/1 [=====] - 0s 81ms/step
>222, dr[0.008,1.090], df[0.045,0.043], g[0.060,0.047]
1/1 [=====] - 0s 82ms/step
>223, dr[0.055,1.005], df[0.012,0.070], g[0.048,0.061]
1/1 [=====] - 0s 83ms/step
>224, dr[0.026,0.720], df[0.024,0.044], g[0.043,0.027]
1/1 [=====] - 0s 84ms/step
>225, dr[0.024,0.641], df[0.003,0.084], g[0.014,0.055]
1/1 [=====] - 0s 91ms/step
>226, dr[0.006,0.723], df[0.003,0.029], g[0.012,0.052]
1/1 [=====] - 0s 87ms/step
>227, dr[0.016,0.751], df[0.005,0.040], g[0.017,0.046]
1/1 [=====] - 0s 87ms/step
>228, dr[0.004,0.758], df[0.013,0.035], g[0.021,0.034]
1/1 [=====] - 0s 89ms/step
>229, dr[0.012,1.252], df[0.002,0.043], g[0.020,0.034]
1/1 [=====] - 0s 83ms/step
>230, dr[0.011,0.931], df[0.033,0.037], g[0.024,0.045]
1/1 [=====] - 0s 80ms/step
>231, dr[0.019,0.689], df[0.005,0.018], g[0.034,0.064]
1/1 [=====] - 0s 90ms/step
>232, dr[0.011,0.835], df[0.004,0.020], g[0.020,0.030]
1/1 [=====] - 0s 99ms/step
>233, dr[0.025,0.662], df[0.004,0.023], g[0.011,0.042]
1/1 [=====] - 0s 99ms/step
>234, dr[0.014,0.521], df[0.019,0.058], g[0.011,0.058]
1/1 [=====] - 0s 113ms/step
>235, dr[0.032,0.900], df[0.011,0.028], g[0.013,0.049]
1/1 [=====] - 0s 103ms/step
>236, dr[0.007,0.701], df[0.013,0.033], g[0.017,0.042]
1/1 [=====] - 0s 100ms/step
>237, dr[0.011,0.550], df[0.004,0.036], g[0.019,0.028]
1/1 [=====] - 0s 98ms/step
>238, dr[0.007,0.470], df[0.011,0.045], g[0.018,0.047]
1/1 [=====] - 0s 91ms/step
>239, dr[0.013,1.110], df[0.005,0.035], g[0.017,0.053]
1/1 [=====] - 0s 98ms/step
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>240, dr[0.008,0.943], df[0.017,0.022], g[0.036,0.064]
1/1 [=====] - 0s 95ms/step
>241, dr[0.008,0.513], df[0.002,0.089], g[0.050,0.050]
1/1 [=====] - 0s 100ms/step
>242, dr[0.005,1.133], df[0.003,0.060], g[0.035,0.040]
1/1 [=====] - 0s 84ms/step
>243, dr[0.017,0.732], df[0.014,0.037], g[0.024,0.052]
1/1 [=====] - 0s 89ms/step
>244, dr[0.127,0.916], df[0.006,0.047], g[0.021,0.069]
1/1 [=====] - 0s 91ms/step
>245, dr[0.007,0.659], df[0.009,0.037], g[0.017,0.091]
1/1 [=====] - 0s 91ms/step
>246, dr[0.006,0.204], df[0.013,0.049], g[0.030,0.053]
1/1 [=====] - 0s 102ms/step
>247, dr[0.007,0.961], df[0.006,0.042], g[0.056,0.033]
1/1 [=====] - 0s 102ms/step
>248, dr[0.019,0.503], df[0.011,0.030], g[0.021,0.033]
1/1 [=====] - 0s 103ms/step
>249, dr[0.006,0.481], df[0.009,0.050], g[0.014,0.029]
1/1 [=====] - 0s 91ms/step
>250, dr[0.005,0.866], df[0.020,0.036], g[0.034,0.039]
1/1 [=====] - 0s 92ms/step
>251, dr[0.009,0.439], df[0.003,0.017], g[0.056,0.061]
1/1 [=====] - 0s 96ms/step
>252, dr[0.016,0.549], df[0.003,0.026], g[0.088,0.040]
1/1 [=====] - 0s 88ms/step
>253, dr[0.021,0.702], df[0.003,0.054], g[0.046,0.051]
1/1 [=====] - 0s 94ms/step
>254, dr[0.043,1.131], df[0.046,0.045], g[0.035,0.055]
1/1 [=====] - 0s 94ms/step
>255, dr[0.007,1.033], df[0.002,0.034], g[0.133,0.076]
1/1 [=====] - 0s 94ms/step
>256, dr[0.032,0.235], df[0.005,0.045], g[0.032,0.049]
1/1 [=====] - 0s 98ms/step
>257, dr[0.014,1.070], df[0.008,0.040], g[0.043,0.077]
1/1 [=====] - 0s 94ms/step
>258, dr[0.012,0.554], df[0.004,0.052], g[0.051,0.041]
1/1 [=====] - 0s 96ms/step
>259, dr[0.013,0.669], df[0.041,0.046], g[0.116,0.036]
1/1 [=====] - 0s 97ms/step
>260, dr[0.025,0.634], df[0.004,0.037], g[0.175,0.054]
1/1 [=====] - 0s 93ms/step
>261, dr[0.008,0.931], df[0.008,0.032], g[0.080,0.067]
1/1 [=====] - 0s 101ms/step
>262, dr[0.013,0.678], df[0.007,0.026], g[0.018,0.087]
1/1 [=====] - 0s 93ms/step
>263, dr[0.004,0.574], df[0.011,0.053], g[0.027,0.045]
1/1 [=====] - 0s 90ms/step
>264, dr[0.022,0.615], df[0.007,0.061], g[0.014,0.090]
1/1 [=====] - 0s 101ms/step
>265, dr[0.005,0.540], df[0.018,0.026], g[0.033,0.073]
1/1 [=====] - 0s 94ms/step
>266, dr[0.009,0.471], df[0.003,0.078], g[0.048,0.055]
1/1 [=====] - 0s 95ms/step
>267, dr[0.009,1.035], df[0.004,0.023], g[0.078,0.033]
1/1 [=====] - 0s 94ms/step
>268, dr[0.008,0.766], df[0.006,0.029], g[0.056,0.054]
1/1 [=====] - 0s 95ms/step
>269, dr[0.014,0.514], df[0.013,0.022], g[0.053,0.041]
1/1 [=====] - 0s 90ms/step
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>270, dr[0.011,1.117], df[0.010,0.039], g[0.078,0.041]
1/1 [=====] - 0s 95ms/step
>271, dr[0.010,0.727], df[0.014,0.030], g[0.104,0.047]
1/1 [=====] - 0s 90ms/step
>272, dr[0.060,0.649], df[0.017,0.034], g[0.037,0.040]
1/1 [=====] - 0s 92ms/step
>273, dr[0.003,0.645], df[0.022,0.027], g[0.050,0.055]
1/1 [=====] - 0s 84ms/step
>274, dr[0.006,0.934], df[0.008,0.050], g[0.107,0.052]
1/1 [=====] - 0s 89ms/step
>275, dr[0.011,0.877], df[0.006,0.042], g[0.173,0.094]
1/1 [=====] - 0s 107ms/step
>276, dr[0.028,0.651], df[0.025,0.038], g[0.101,0.043]
1/1 [=====] - 0s 91ms/step
>277, dr[0.019,0.702], df[0.021,0.033], g[0.067,0.082]
1/1 [=====] - 0s 92ms/step
>278, dr[0.006,0.488], df[0.030,0.069], g[0.230,0.064]
1/1 [=====] - 0s 89ms/step
>279, dr[0.037,1.294], df[0.007,0.063], g[0.078,0.087]
1/1 [=====] - 0s 86ms/step
>280, dr[0.022,0.932], df[0.019,0.079], g[0.030,0.044]
1/1 [=====] - 0s 89ms/step
>281, dr[0.053,0.834], df[0.057,0.079], g[0.136,0.137]
1/1 [=====] - 0s 92ms/step
>282, dr[0.024,0.949], df[0.001,0.029], g[0.376,0.086]
1/1 [=====] - 0s 91ms/step
>283, dr[0.094,1.104], df[0.120,0.045], g[0.286,0.214]
1/1 [=====] - 0s 88ms/step
>284, dr[0.045,0.438], df[0.000,0.056], g[1.106,0.132]
1/1 [=====] - 0s 84ms/step
>285, dr[0.156,0.687], df[0.042,0.038], g[0.050,0.136]
1/1 [=====] - 0s 79ms/step
>286, dr[0.048,0.745], df[0.022,0.052], g[0.031,0.083]
1/1 [=====] - 0s 84ms/step
>287, dr[0.007,0.779], df[0.003,0.067], g[0.029,0.167]
1/1 [=====] - 0s 106ms/step
>288, dr[0.020,0.722], df[0.008,0.073], g[0.010,0.101]
1/1 [=====] - 0s 87ms/step
>289, dr[0.019,0.868], df[0.008,0.051], g[0.024,0.051]
1/1 [=====] - 0s 78ms/step
>290, dr[0.009,0.772], df[0.006,0.041], g[0.031,0.062]
1/1 [=====] - 0s 88ms/step
>291, dr[0.052,0.816], df[0.100,0.028], g[0.833,0.075]
1/1 [=====] - 0s 80ms/step
>292, dr[0.034,0.959], df[0.001,0.050], g[3.368,0.158]
1/1 [=====] - 0s 79ms/step
>293, dr[0.165,0.525], df[0.154,0.070], g[5.539,0.202]
1/1 [=====] - 0s 87ms/step
>294, dr[0.092,0.493], df[0.011,0.203], g[3.423,0.458]
1/1 [=====] - 0s 78ms/step
>295, dr[0.018,0.701], df[1.067,0.211], g[13.131,0.416]
1/1 [=====] - 0s 87ms/step
>296, dr[5.002,0.444], df[0.014,0.173], g[0.003,0.114]
1/1 [=====] - 0s 84ms/step
>297, dr[0.000,1.127], df[3.674,0.031], g[4.826,0.299]
1/1 [=====] - 0s 79ms/step
>298, dr[0.008,0.909], df[0.000,0.106], g[4.584,0.478]
1/1 [=====] - 0s 86ms/step
>299, dr[1.045,0.794], df[5.929,0.256], g[16.708,1.091]
1/1 [=====] - 0s 84ms/step
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>300, dr[3.816,0.534], df[0.000,0.494], g[14.365,0.495]
1/1 [=====] - 0s 83ms/step
>301, dr[0.118,0.659], df[0.000,0.332], g[8.618,0.181]
1/1 [=====] - 0s 84ms/step
>302, dr[0.047,0.735], df[0.008,0.708], g[3.994,0.301]
1/1 [=====] - 0s 79ms/step
>303, dr[0.042,0.808], df[0.186,0.630], g[2.477,0.409]
1/1 [=====] - 0s 82ms/step
>304, dr[0.006,0.683], df[0.376,0.614], g[3.394,0.477]
1/1 [=====] - 0s 89ms/step
>305, dr[0.052,0.492], df[0.038,0.535], g[2.157,0.213]
1/1 [=====] - 0s 79ms/step
>306, dr[0.039,0.612], df[1.061,0.204], g[4.637,0.182]
1/1 [=====] - 0s 79ms/step
>307, dr[0.554,0.988], df[0.006,0.169], g[2.452,0.145]
1/1 [=====] - 0s 95ms/step
>308, dr[0.458,0.780], df[0.352,0.196], g[0.777,0.182]
1/1 [=====] - 0s 86ms/step
>309, dr[0.061,0.342], df[0.184,0.086], g[1.486,0.149]
1/1 [=====] - 0s 89ms/step
>310, dr[0.212,0.470], df[0.970,0.031], g[4.787,0.077]
1/1 [=====] - 0s 80ms/step
>311, dr[1.357,0.572], df[0.873,0.108], g[5.370,0.087]
1/1 [=====] - 0s 81ms/step
>312, dr[0.778,0.725], df[0.029,0.255], g[3.419,0.099]
1/1 [=====] - 0s 85ms/step
>313, dr[0.084,0.834], df[0.056,0.161], g[3.045,0.057]
1/1 [=====] - 0s 86ms/step
>314, dr[0.037,1.062], df[0.232,0.077], g[2.982,0.076]
1/1 [=====] - 0s 85ms/step
>315, dr[0.053,1.061], df[0.061,0.046], g[2.629,0.065]
1/1 [=====] - 0s 85ms/step
>316, dr[0.162,0.654], df[0.247,0.085], g[2.922,0.098]
1/1 [=====] - 0s 81ms/step
>317, dr[0.115,0.355], df[0.032,0.050], g[2.203,0.096]
1/1 [=====] - 0s 79ms/step
>318, dr[0.288,1.021], df[0.190,0.053], g[0.975,0.115]
1/1 [=====] - 0s 88ms/step
>319, dr[0.106,0.820], df[0.197,0.062], g[1.381,0.199]
1/1 [=====] - 0s 86ms/step
>320, dr[0.322,0.617], df[0.249,0.066], g[1.130,0.066]
1/1 [=====] - 0s 82ms/step
>321, dr[0.209,0.941], df[0.270,0.043], g[1.781,0.084]
1/1 [=====] - 0s 84ms/step
>322, dr[0.308,1.021], df[0.269,0.042], g[1.778,0.077]
1/1 [=====] - 0s 79ms/step
>323, dr[0.253,0.803], df[0.114,0.035], g[1.359,0.039]
1/1 [=====] - 0s 95ms/step
>324, dr[0.182,0.805], df[0.209,0.065], g[1.703,0.075]
1/1 [=====] - 0s 89ms/step
>325, dr[0.289,0.857], df[0.124,0.049], g[1.502,0.116]
1/1 [=====] - 0s 80ms/step
>326, dr[0.060,0.768], df[0.063,0.169], g[1.347,0.068]
1/1 [=====] - 0s 85ms/step
>327, dr[0.131,0.924], df[0.138,0.029], g[1.797,0.063]
1/1 [=====] - 0s 79ms/step
>328, dr[0.014,0.686], df[0.024,0.054], g[2.230,0.076]
1/1 [=====] - 0s 82ms/step
>329, dr[0.143,0.500], df[0.052,0.048], g[1.860,0.058]
1/1 [=====] - 0s 87ms/step
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>330, dr[0.079,0.748], df[0.111,0.030], g[1.719,0.056]
1/1 [=====] - 0s 80ms/step
>331, dr[0.087,0.441], df[0.137,0.050], g[2.399,0.061]
1/1 [=====] - 0s 81ms/step
>332, dr[0.103,1.217], df[0.046,0.055], g[2.020,0.086]
1/1 [=====] - 0s 91ms/step
>333, dr[0.021,0.768], df[0.029,0.047], g[1.955,0.086]
1/1 [=====] - 0s 79ms/step
>334, dr[0.029,0.756], df[0.038,0.022], g[1.950,0.052]
1/1 [=====] - 0s 79ms/step
>335, dr[0.087,1.034], df[0.129,0.040], g[2.648,0.079]
1/1 [=====] - 0s 82ms/step
>336, dr[0.035,0.573], df[0.011,0.098], g[2.483,0.102]
1/1 [=====] - 0s 80ms/step
>337, dr[0.070,1.080], df[0.021,0.073], g[1.745,0.056]
1/1 [=====] - 0s 84ms/step
>338, dr[0.052,0.475], df[0.028,0.040], g[1.451,0.056]
1/1 [=====] - 0s 80ms/step
>339, dr[0.022,0.449], df[0.050,0.050], g[1.751,0.096]
1/1 [=====] - 0s 85ms/step
>340, dr[0.010,0.617], df[0.064,0.153], g[2.366,0.072]
1/1 [=====] - 0s 86ms/step
>341, dr[0.053,0.546], df[0.023,0.129], g[2.334,0.041]
1/1 [=====] - 0s 86ms/step
>342, dr[0.041,0.578], df[0.028,0.082], g[2.004,0.048]
1/1 [=====] - 0s 79ms/step
>343, dr[0.060,0.417], df[0.045,0.033], g[1.700,0.041]
1/1 [=====] - 0s 86ms/step
>344, dr[0.021,0.922], df[0.021,0.029], g[2.072,0.104]
1/1 [=====] - 0s 79ms/step
>345, dr[0.036,0.267], df[0.017,0.089], g[1.532,0.045]
1/1 [=====] - 0s 89ms/step
>346, dr[0.035,0.932], df[0.201,0.069], g[3.449,0.069]
1/1 [=====] - 0s 86ms/step
>347, dr[0.039,0.702], df[0.221,0.042], g[4.741,0.078]
1/1 [=====] - 0s 81ms/step
>348, dr[1.322,0.821], df[1.835,0.112], g[5.646,0.082]
1/1 [=====] - 0s 87ms/step
>349, dr[0.157,0.358], df[0.001,0.059], g[7.994,0.089]
1/1 [=====] - 0s 81ms/step
>350, dr[1.337,0.735], df[0.719,0.053], g[4.223,0.051]
1/1 [=====] - 0s 78ms/step
>351, dr[0.018,0.794], df[0.051,0.052], g[5.398,0.041]
1/1 [=====] - 0s 87ms/step
>352, dr[0.278,0.599], df[0.016,0.047], g[3.352,0.061]
1/1 [=====] - 0s 81ms/step
>353, dr[0.017,0.829], df[0.200,0.039], g[4.307,0.048]
1/1 [=====] - 0s 87ms/step
>354, dr[0.113,0.440], df[0.056,0.068], g[4.803,0.056]
1/1 [=====] - 0s 87ms/step
>355, dr[0.043,0.707], df[0.026,0.052], g[3.615,0.050]
1/1 [=====] - 0s 82ms/step
>356, dr[0.106,1.200], df[0.222,0.020], g[4.133,0.033]
1/1 [=====] - 0s 84ms/step
>357, dr[0.147,0.486], df[0.061,0.058], g[4.511,0.107]
1/1 [=====] - 0s 79ms/step
>358, dr[0.093,0.866], df[0.060,0.058], g[3.707,0.067]
1/1 [=====] - 0s 83ms/step
>359, dr[0.034,0.650], df[0.111,0.098], g[4.304,0.079]
1/1 [=====] - 0s 82ms/step
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>360, dr[0.129,0.441], df[0.037,0.121], g[3.545,0.082]
1/1 [=====] - 0s 77ms/step
>361, dr[0.035,0.548], df[0.059,0.203], g[3.069,0.076]
1/1 [=====] - 0s 83ms/step
>362, dr[0.087,0.714], df[0.020,0.080], g[1.972,0.056]
1/1 [=====] - 0s 81ms/step
>363, dr[0.023,0.522], df[0.021,0.053], g[1.473,0.068]
1/1 [=====] - 0s 78ms/step
>364, dr[0.013,1.567], df[0.061,0.059], g[1.293,0.057]
1/1 [=====] - 0s 80ms/step
>365, dr[0.042,0.570], df[2.208,0.107], g[10.086,0.108]
1/1 [=====] - 0s 76ms/step
>366, dr[6.024,0.574], df[0.219,0.060], g[0.467,0.114]
1/1 [=====] - 0s 75ms/step
>367, dr[0.054,0.406], df[2.881,0.112], g[5.336,0.082]
1/1 [=====] - 0s 81ms/step
>368, dr[0.588,0.524], df[0.005,0.074], g[5.761,0.072]
1/1 [=====] - 0s 81ms/step
>369, dr[0.623,0.473], df[0.071,0.067], g[0.613,0.078]
1/1 [=====] - 0s 82ms/step
>370, dr[0.127,1.154], df[0.387,0.090], g[0.141,0.142]
1/1 [=====] - 0s 73ms/step
>371, dr[0.170,0.998], df[0.158,0.075], g[0.207,0.227]
1/1 [=====] - 0s 79ms/step
>372, dr[0.164,0.572], df[0.011,0.069], g[0.097,0.216]
1/1 [=====] - 0s 73ms/step
>373, dr[0.183,0.595], df[0.042,0.060], g[0.012,0.243]
1/1 [=====] - 0s 75ms/step
>374, dr[0.138,1.002], df[0.054,0.140], g[0.010,0.109]
1/1 [=====] - 0s 73ms/step
>375, dr[0.038,0.577], df[0.048,0.098], g[0.014,0.152]
1/1 [=====] - 0s 73ms/step
>376, dr[0.051,0.569], df[0.076,0.083], g[0.028,0.156]
1/1 [=====] - 0s 83ms/step
>377, dr[0.044,0.586], df[0.016,0.067], g[0.025,0.112]
1/1 [=====] - 0s 74ms/step
>378, dr[0.049,0.565], df[0.040,0.067], g[0.022,0.108]
1/1 [=====] - 0s 80ms/step
>379, dr[0.083,0.606], df[0.121,0.037], g[0.053,0.113]
1/1 [=====] - 0s 73ms/step
>380, dr[0.024,0.954], df[0.005,0.075], g[0.117,0.085]
1/1 [=====] - 0s 74ms/step
>381, dr[0.140,0.794], df[0.027,0.033], g[0.028,0.114]
1/1 [=====] - 0s 74ms/step
>382, dr[0.021,0.889], df[0.067,0.062], g[0.052,0.077]
1/1 [=====] - 0s 74ms/step
>383, dr[0.040,0.283], df[0.055,0.030], g[0.048,0.069]
1/1 [=====] - 0s 78ms/step
>384, dr[0.027,0.642], df[0.007,0.052], g[0.087,0.090]
1/1 [=====] - 0s 72ms/step
>385, dr[0.075,0.576], df[0.064,0.041], g[0.051,0.096]
1/1 [=====] - 0s 85ms/step
>386, dr[0.079,0.812], df[0.030,0.046], g[0.113,0.059]
1/1 [=====] - 0s 73ms/step
>387, dr[0.052,0.686], df[0.041,0.054], g[0.048,0.088]
1/1 [=====] - 0s 76ms/step
>388, dr[0.077,0.627], df[0.141,0.030], g[0.128,0.092]
1/1 [=====] - 0s 73ms/step
>389, dr[0.108,0.660], df[0.073,0.046], g[0.248,0.056]
1/1 [=====] - 0s 73ms/step
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>390, dr[0.507,0.933], df[0.165,0.029], g[0.021,0.061]
1/1 [=====] - 0s 74ms/step
>391, dr[0.020,0.671], df[0.310,0.076], g[0.359,0.076]
1/1 [=====] - 0s 77ms/step
>392, dr[0.249,0.668], df[0.106,0.037], g[0.315,0.071]
1/1 [=====] - 0s 78ms/step
>393, dr[0.174,0.763], df[0.882,0.034], g[4.678,0.070]
1/1 [=====] - 0s 73ms/step
>394, dr[2.996,0.464], df[6.256,0.049], g[1.338,0.044]
1/1 [=====] - 0s 83ms/step
>395, dr[0.941,0.455], df[1.274,0.068], g[4.392,0.045]
1/1 [=====] - 0s 73ms/step
>396, dr[1.696,0.584], df[0.485,0.060], g[3.315,0.192]
1/1 [=====] - 0s 79ms/step
>397, dr[1.283,1.108], df[1.507,0.053], g[2.233,0.049]
1/1 [=====] - 0s 76ms/step
>398, dr[0.668,0.931], df[0.848,0.031], g[2.982,0.042]
1/1 [=====] - 0s 73ms/step
>399, dr[1.407,0.452], df[0.419,0.170], g[0.775,0.059]
1/1 [=====] - 0s 78ms/step
>400, dr[0.542,0.950], df[0.709,0.120], g[1.102,0.051]
1/1 [=====] - 0s 71ms/step
>401, dr[0.708,0.824], df[0.314,0.133], g[1.074,0.047]
1/1 [=====] - 0s 79ms/step
>402, dr[0.656,0.455], df[0.458,0.251], g[0.755,0.049]
1/1 [=====] - 0s 78ms/step
>403, dr[0.258,0.305], df[0.151,0.046], g[0.618,0.042]
1/1 [=====] - 0s 80ms/step
>404, dr[0.623,0.766], df[0.549,0.028], g[0.674,0.022]
1/1 [=====] - 0s 72ms/step
>405, dr[0.345,0.512], df[0.224,0.016], g[0.748,0.106]
1/1 [=====] - 0s 72ms/step
>406, dr[0.684,0.750], df[0.683,0.016], g[0.849,0.059]
1/1 [=====] - 0s 75ms/step
>407, dr[0.201,0.537], df[0.238,0.011], g[1.216,0.078]
1/1 [=====] - 0s 76ms/step
>408, dr[0.538,1.089], df[0.328,0.032], g[1.147,0.086]
1/1 [=====] - 0s 78ms/step
>409, dr[1.040,1.352], df[2.200,0.025], g[1.400,0.047]
1/1 [=====] - 0s 78ms/step
>410, dr[1.116,0.968], df[0.689,0.035], g[2.006,0.061]
1/1 [=====] - 0s 81ms/step
>411, dr[0.713,0.750], df[0.657,0.032], g[2.405,0.071]
1/1 [=====] - 0s 78ms/step
>412, dr[0.947,1.135], df[0.703,0.074], g[2.707,0.048]
1/1 [=====] - 0s 73ms/step
>413, dr[1.186,0.758], df[0.515,0.081], g[2.146,0.301]
1/1 [=====] - 0s 96ms/step
>414, dr[0.248,0.550], df[0.551,0.049], g[2.795,0.028]
1/1 [=====] - 0s 84ms/step
>415, dr[1.124,0.413], df[1.093,0.049], g[2.383,0.033]
1/1 [=====] - 0s 85ms/step
>416, dr[0.751,0.360], df[0.857,0.044], g[2.681,0.039]
1/1 [=====] - 0s 81ms/step
>417, dr[1.115,0.603], df[0.866,0.026], g[2.427,0.036]
1/1 [=====] - 0s 84ms/step
>418, dr[1.271,0.873], df[0.629,0.042], g[1.545,0.070]
1/1 [=====] - 0s 92ms/step
>419, dr[0.682,0.629], df[0.883,0.020], g[1.927,0.061]
1/1 [=====] - 0s 83ms/step
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>420, dr[0.551,0.832], df[0.483,0.037], g[2.499,0.059]
1/1 [=====] - 0s 106ms/step
>421, dr[0.766,0.735], df[0.479,0.055], g[1.936,0.044]
1/1 [=====] - 0s 84ms/step
>422, dr[0.378,0.581], df[0.659,0.026], g[2.030,0.051]
1/1 [=====] - 0s 79ms/step
>423, dr[0.659,0.612], df[0.543,0.046], g[2.266,0.038]
1/1 [=====] - 0s 84ms/step
>424, dr[0.750,0.605], df[0.481,0.021], g[2.085,0.057]
1/1 [=====] - 0s 83ms/step
>425, dr[0.248,0.440], df[0.428,0.033], g[2.703,0.046]
1/1 [=====] - 0s 80ms/step
>426, dr[0.594,0.551], df[0.228,0.052], g[1.763,0.049]
1/1 [=====] - 0s 85ms/step
>427, dr[0.317,0.748], df[0.573,0.007], g[2.547,0.053]
1/1 [=====] - 0s 89ms/step
>428, dr[0.450,0.689], df[0.286,0.026], g[2.680,0.034]
1/1 [=====] - 0s 83ms/step
>429, dr[0.371,0.569], df[0.421,0.044], g[2.627,0.043]
1/1 [=====] - 0s 83ms/step
>430, dr[0.554,0.369], df[0.314,0.017], g[1.629,0.041]
1/1 [=====] - 0s 80ms/step
>431, dr[0.348,1.059], df[0.537,0.013], g[2.207,0.050]
1/1 [=====] - 0s 83ms/step
>432, dr[0.385,0.613], df[0.334,0.018], g[2.339,0.032]
1/1 [=====] - 0s 84ms/step
>433, dr[0.708,0.819], df[0.629,0.034], g[1.799,0.037]
1/1 [=====] - 0s 86ms/step
>434, dr[0.347,0.301], df[0.500,0.025], g[2.361,0.016]
1/1 [=====] - 0s 86ms/step
>435, dr[0.468,0.619], df[0.432,0.020], g[2.263,0.057]
1/1 [=====] - 0s 85ms/step
>436, dr[0.435,0.879], df[0.418,0.032], g[2.289,0.091]
1/1 [=====] - 0s 87ms/step
>437, dr[0.454,0.793], df[0.728,0.022], g[2.456,0.020]
1/1 [=====] - 0s 84ms/step
>438, dr[0.975,0.408], df[0.588,0.021], g[2.220,0.087]
1/1 [=====] - 0s 86ms/step
>439, dr[0.654,0.466], df[0.350,0.025], g[1.669,0.053]
1/1 [=====] - 0s 85ms/step
>440, dr[0.329,0.482], df[0.781,0.030], g[3.221,0.185]
1/1 [=====] - 0s 89ms/step
>441, dr[0.321,0.499], df[0.160,0.032], g[3.083,0.094]
1/1 [=====] - 0s 91ms/step
>442, dr[0.560,0.376], df[0.427,0.054], g[2.359,0.044]
1/1 [=====] - 0s 87ms/step
>443, dr[0.383,1.111], df[0.506,0.012], g[2.323,0.035]
1/1 [=====] - 0s 88ms/step
>444, dr[0.420,0.248], df[0.701,0.025], g[2.387,0.039]
1/1 [=====] - 0s 91ms/step
>445, dr[0.671,0.853], df[0.513,0.040], g[2.129,0.038]
1/1 [=====] - 0s 85ms/step
>446, dr[0.412,1.005], df[0.276,0.027], g[2.342,0.027]
1/1 [=====] - 0s 85ms/step
>447, dr[0.483,0.348], df[0.454,0.052], g[1.893,0.070]
1/1 [=====] - 0s 89ms/step
>448, dr[0.198,0.913], df[0.308,0.036], g[2.358,0.014]
1/1 [=====] - 0s 87ms/step
>449, dr[0.316,0.485], df[0.302,0.017], g[2.316,0.027]
1/1 [=====] - 0s 82ms/step
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>450, dr[0.433,0.852], df[0.426,0.010], g[1.900,0.020]
1/1 [=====] - 0s 89ms/step
>451, dr[0.478,0.764], df[0.242,0.036], g[1.501,0.022]
1/1 [=====] - 0s 85ms/step
>452, dr[0.212,0.935], df[0.370,0.022], g[2.217,0.047]
1/1 [=====] - 0s 87ms/step
>453, dr[0.547,0.974], df[0.234,0.018], g[2.274,0.027]
1/1 [=====] - 0s 86ms/step
>454, dr[0.248,0.748], df[0.278,0.020], g[1.894,0.031]
1/1 [=====] - 0s 84ms/step
>455, dr[0.340,1.070], df[0.367,0.052], g[1.329,0.027]
1/1 [=====] - 0s 89ms/step
>456, dr[0.300,0.474], df[0.591,0.017], g[1.728,0.033]
1/1 [=====] - 0s 84ms/step
>457, dr[0.299,0.435], df[0.213,0.081], g[1.959,0.085]
1/1 [=====] - 0s 85ms/step
>458, dr[0.626,0.825], df[0.317,0.015], g[1.357,0.034]
1/1 [=====] - 0s 86ms/step
>459, dr[0.372,0.458], df[0.627,0.030], g[2.132,0.059]
1/1 [=====] - 0s 92ms/step
>460, dr[0.452,0.744], df[0.442,0.082], g[2.534,0.056]
1/1 [=====] - 0s 89ms/step
>461, dr[0.570,0.780], df[0.433,0.053], g[2.702,0.043]
1/1 [=====] - 0s 89ms/step
>462, dr[0.824,0.709], df[0.351,0.137], g[1.654,0.081]
1/1 [=====] - 0s 87ms/step
>463, dr[0.299,0.352], df[0.588,0.118], g[2.963,0.114]
1/1 [=====] - 0s 87ms/step
>464, dr[0.487,0.546], df[0.115,0.130], g[2.435,0.061]
1/1 [=====] - 0s 84ms/step
>465, dr[0.774,0.552], df[0.535,0.077], g[1.443,0.049]
1/1 [=====] - 0s 85ms/step
>466, dr[0.230,0.917], df[0.337,0.174], g[2.271,0.048]
1/1 [=====] - 0s 84ms/step
>467, dr[0.219,0.703], df[0.112,0.150], g[2.517,0.088]
1/1 [=====] - 0s 83ms/step
>468, dr[0.497,0.732], df[0.112,0.063], g[1.190,0.062]
1/1 [=====] - 0s 82ms/step
>469, dr[0.122,0.387], df[0.637,0.117], g[1.608,0.066]
1/1 [=====] - 0s 89ms/step
>470, dr[0.344,1.318], df[0.320,0.056], g[1.902,0.036]
1/1 [=====] - 0s 85ms/step
>471, dr[0.493,0.769], df[0.475,0.014], g[2.075,0.021]
1/1 [=====] - 0s 90ms/step
>472, dr[0.384,0.703], df[0.345,0.023], g[2.170,0.038]
1/1 [=====] - 0s 90ms/step
>473, dr[0.460,0.150], df[0.444,0.030], g[1.886,0.032]
1/1 [=====] - 0s 85ms/step
>474, dr[0.274,0.615], df[0.368,0.028], g[1.899,0.033]
1/1 [=====] - 0s 88ms/step
>475, dr[0.424,0.820], df[0.542,0.027], g[2.080,0.046]
1/1 [=====] - 0s 83ms/step
>476, dr[0.302,0.777], df[0.336,0.041], g[2.376,0.050]
1/1 [=====] - 0s 81ms/step
>477, dr[0.765,0.246], df[0.436,0.029], g[1.632,0.071]
1/1 [=====] - 0s 80ms/step
>478, dr[0.197,0.637], df[0.530,0.024], g[2.317,0.040]
1/1 [=====] - 0s 84ms/step
>479, dr[0.264,0.901], df[0.457,0.040], g[2.908,0.027]
1/1 [=====] - 0s 81ms/step
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>480, dr[0.348,0.849], df[0.156,0.068], g[2.537,0.120]
1/1 [=====] - 0s 82ms/step
>481, dr[0.433,0.554], df[0.401,0.024], g[1.590,0.091]
1/1 [=====] - 0s 80ms/step
>482, dr[0.134,0.725], df[0.283,0.141], g[2.282,0.161]
1/1 [=====] - 0s 82ms/step
>483, dr[0.478,0.435], df[0.123,0.078], g[1.576,0.073]
1/1 [=====] - 0s 81ms/step
>484, dr[0.266,0.850], df[0.479,0.066], g[1.717,0.049]
1/1 [=====] - 0s 79ms/step
>485, dr[0.321,0.710], df[0.331,0.179], g[1.745,0.019]
1/1 [=====] - 0s 82ms/step
>486, dr[0.316,0.452], df[0.197,0.025], g[1.574,0.038]
1/1 [=====] - 0s 82ms/step
>487, dr[0.457,0.900], df[0.287,0.049], g[1.375,0.030]
1/1 [=====] - 0s 85ms/step
>488, dr[0.250,0.408], df[0.425,0.181], g[1.522,0.156]
1/1 [=====] - 0s 80ms/step
>489, dr[0.342,0.433], df[0.159,0.093], g[1.807,0.045]
1/1 [=====] - 0s 79ms/step
>490, dr[0.358,0.607], df[0.350,0.036], g[1.493,0.046]
1/1 [=====] - 0s 85ms/step
>491, dr[0.223,0.494], df[0.441,0.052], g[2.096,0.049]
1/1 [=====] - 0s 88ms/step
>492, dr[0.365,0.738], df[0.254,0.025], g[2.614,0.094]
1/1 [=====] - 0s 94ms/step
>493, dr[0.542,0.667], df[0.287,0.025], g[2.083,0.101]
1/1 [=====] - 0s 90ms/step
>494, dr[0.257,0.713], df[0.443,0.045], g[2.113,0.036]
1/1 [=====] - 0s 78ms/step
>495, dr[0.226,0.552], df[0.392,0.022], g[2.837,0.038]
1/1 [=====] - 0s 84ms/step
>496, dr[0.263,0.910], df[0.271,0.018], g[3.100,0.034]
1/1 [=====] - 0s 77ms/step
>497, dr[0.683,0.530], df[0.265,0.024], g[1.987,0.024]
1/1 [=====] - 0s 79ms/step
>498, dr[0.158,0.873], df[0.643,0.038], g[2.855,0.065]
1/1 [=====] - 0s 81ms/step
>499, dr[0.699,0.691], df[0.300,0.054], g[2.044,0.060]
1/1 [=====] - 0s 80ms/step
>500, dr[0.182,0.547], df[0.379,0.043], g[2.892,0.035]
1/1 [=====] - 0s 86ms/step
>501, dr[0.682,1.188], df[0.251,0.066], g[2.209,0.063]
1/1 [=====] - 0s 88ms/step
>502, dr[0.238,0.405], df[0.703,0.028], g[2.503,0.051]
1/1 [=====] - 0s 90ms/step
>503, dr[0.706,0.469], df[0.247,0.092], g[2.364,0.028]
1/1 [=====] - 0s 88ms/step
>504, dr[0.507,0.655], df[0.512,0.080], g[2.300,0.110]
1/1 [=====] - 0s 86ms/step
>505, dr[0.275,0.529], df[0.456,0.039], g[2.641,0.108]
1/1 [=====] - 0s 82ms/step
>506, dr[0.513,0.637], df[0.260,0.068], g[3.213,0.071]
1/1 [=====] - 0s 79ms/step
>507, dr[0.652,0.465], df[0.267,0.040], g[2.392,0.058]
1/1 [=====] - 0s 98ms/step
>508, dr[0.340,0.764], df[0.523,0.089], g[2.180,0.079]
1/1 [=====] - 0s 87ms/step
>509, dr[0.303,0.977], df[0.338,0.035], g[2.668,0.063]
1/1 [=====] - 0s 95ms/step
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>510, dr[0.474,0.353], df[0.611,0.103], g[2.835,0.046]
1/1 [=====] - 0s 113ms/step
>511, dr[0.313,0.441], df[0.261,0.033], g[3.235,0.150]
1/1 [=====] - 0s 99ms/step
>512, dr[0.634,0.557], df[0.226,0.121], g[2.275,0.075]
1/1 [=====] - 0s 98ms/step
>513, dr[0.293,0.805], df[0.520,0.061], g[2.769,0.056]
1/1 [=====] - 0s 95ms/step
>514, dr[0.505,0.607], df[0.446,0.055], g[2.885,0.106]
1/1 [=====] - 0s 96ms/step
>515, dr[0.382,0.971], df[0.223,0.083], g[2.424,0.065]
1/1 [=====] - 0s 91ms/step
>516, dr[0.571,0.839], df[0.340,0.064], g[2.097,0.091]
1/1 [=====] - 0s 92ms/step
>517, dr[0.627,0.622], df[0.387,0.118], g[1.115,0.032]
1/1 [=====] - 0s 87ms/step
>518, dr[0.254,0.711], df[0.340,0.081], g[2.086,0.097]
1/1 [=====] - 0s 93ms/step
>519, dr[0.233,0.627], df[0.175,0.043], g[2.931,0.084]
1/1 [=====] - 0s 88ms/step
>520, dr[0.340,0.599], df[0.284,0.023], g[2.870,0.138]
1/1 [=====] - 0s 92ms/step
>521, dr[0.127,0.383], df[0.204,0.085], g[2.988,0.180]
1/1 [=====] - 0s 114ms/step
>522, dr[0.482,0.497], df[0.500,0.103], g[3.125,0.051]
1/1 [=====] - 0s 102ms/step
>523, dr[0.312,0.387], df[0.254,0.067], g[2.838,0.071]
1/1 [=====] - 0s 105ms/step
>524, dr[0.276,0.465], df[0.124,0.063], g[2.533,0.075]
1/1 [=====] - 0s 95ms/step
>525, dr[0.354,0.413], df[0.519,0.052], g[2.702,0.033]
1/1 [=====] - 0s 99ms/step
>526, dr[0.130,0.466], df[0.364,0.137], g[3.444,0.064]
1/1 [=====] - 0s 88ms/step
>527, dr[0.316,0.339], df[0.141,0.067], g[3.044,0.033]
1/1 [=====] - 0s 86ms/step
>528, dr[0.834,0.852], df[0.650,0.065], g[2.113,0.125]
1/1 [=====] - 0s 80ms/step
>529, dr[0.450,0.886], df[0.469,0.108], g[2.934,0.047]
1/1 [=====] - 0s 82ms/step
>530, dr[0.106,0.597], df[0.194,0.028], g[3.404,0.070]
1/1 [=====] - 0s 90ms/step
>531, dr[0.310,0.471], df[0.332,0.132], g[3.012,0.043]
1/1 [=====] - 0s 80ms/step
>532, dr[0.214,0.419], df[0.430,0.056], g[3.186,0.033]
1/1 [=====] - 0s 87ms/step
>533, dr[0.228,0.675], df[0.209,0.060], g[2.649,0.074]
1/1 [=====] - 0s 80ms/step
>534, dr[0.369,0.369], df[0.525,0.130], g[2.970,0.068]
1/1 [=====] - 0s 84ms/step
>535, dr[0.730,0.863], df[0.621,0.159], g[2.200,0.054]
1/1 [=====] - 0s 90ms/step
>536, dr[0.207,0.483], df[0.456,0.049], g[2.867,0.073]
1/1 [=====] - 0s 81ms/step
>537, dr[0.504,0.301], df[0.227,0.118], g[2.089,0.042]
1/1 [=====] - 0s 128ms/step
>538, dr[0.283,0.592], df[0.759,0.023], g[2.530,0.076]
1/1 [=====] - 0s 103ms/step
>539, dr[1.046,0.690], df[0.606,0.029], g[2.248,0.148]
1/1 [=====] - 0s 108ms/step
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>540, dr[0.289,0.822], df[0.642,0.095], g[2.858,0.114]
1/1 [=====] - 0s 109ms/step
>541, dr[0.514,0.495], df[0.178,0.046], g[2.375,0.119]
1/1 [=====] - 0s 108ms/step
>542, dr[0.350,0.560], df[0.500,0.066], g[2.452,0.057]
1/1 [=====] - 0s 116ms/step
>543, dr[0.442,0.422], df[0.390,0.034], g[2.595,0.065]
1/1 [=====] - 0s 92ms/step
>544, dr[0.505,0.275], df[0.439,0.063], g[2.041,0.104]
1/1 [=====] - 0s 104ms/step
>545, dr[0.404,1.254], df[0.558,0.101], g[2.456,0.091]
1/1 [=====] - 0s 94ms/step
>546, dr[0.526,0.677], df[0.337,0.084], g[3.082,0.098]
1/1 [=====] - 0s 86ms/step
>547, dr[0.560,0.912], df[0.339,0.178], g[2.449,0.096]
1/1 [=====] - 0s 93ms/step
>548, dr[0.676,1.286], df[0.667,0.134], g[2.469,0.352]
1/1 [=====] - 0s 97ms/step
>549, dr[0.354,0.421], df[0.381,0.291], g[2.606,0.188]
1/1 [=====] - 0s 90ms/step
>550, dr[0.356,0.569], df[0.435,0.102], g[2.606,0.296]
1/1 [=====] - 0s 94ms/step
>551, dr[0.646,0.397], df[0.383,0.101], g[2.071,0.205]
1/1 [=====] - 0s 92ms/step
>552, dr[0.485,0.486], df[0.333,0.064], g[2.105,0.149]
1/1 [=====] - 0s 88ms/step
>553, dr[0.445,0.449], df[0.455,0.052], g[2.595,0.094]
1/1 [=====] - 0s 88ms/step
>554, dr[0.187,0.580], df[0.356,0.176], g[2.884,0.306]
1/1 [=====] - 0s 89ms/step
>555, dr[0.349,0.926], df[0.251,0.198], g[3.307,0.109]
1/1 [=====] - 0s 88ms/step
>556, dr[0.567,0.724], df[0.323,0.085], g[2.324,0.116]
1/1 [=====] - 0s 138ms/step
>557, dr[0.352,0.631], df[0.486,0.091], g[2.351,0.126]
1/1 [=====] - 0s 92ms/step
>558, dr[0.561,0.256], df[0.541,0.206], g[2.393,0.112]
1/1 [=====] - 0s 86ms/step
>559, dr[0.665,0.859], df[0.670,0.162], g[2.195,0.050]
1/1 [=====] - 0s 97ms/step
>560, dr[0.321,0.610], df[0.247,0.066], g[1.807,0.046]
1/1 [=====] - 0s 105ms/step
>561, dr[0.304,0.889], df[0.717,0.129], g[2.409,0.103]
1/1 [=====] - 0s 141ms/step
>562, dr[0.612,0.418], df[0.184,0.170], g[2.338,0.047]
1/1 [=====] - 0s 94ms/step
>563, dr[0.539,0.670], df[0.647,0.105], g[1.954,0.070]
1/1 [=====] - 0s 95ms/step
>564, dr[0.320,0.921], df[0.505,0.107], g[2.479,0.092]
1/1 [=====] - 0s 97ms/step
>565, dr[0.801,0.690], df[0.460,0.049], g[1.900,0.093]
1/1 [=====] - 0s 89ms/step
>566, dr[0.298,0.564], df[0.265,0.124], g[2.099,0.100]
1/1 [=====] - 0s 89ms/step
>567, dr[0.468,0.835], df[0.378,0.114], g[2.204,0.106]
1/1 [=====] - 0s 88ms/step
>568, dr[0.306,0.642], df[0.268,0.050], g[1.935,0.106]
1/1 [=====] - 0s 92ms/step
>569, dr[0.235,0.515], df[0.216,0.210], g[1.937,0.064]
1/1 [=====] - 0s 91ms/step
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>570, dr[0.378,0.777], df[0.359,0.182], g[1.655,0.045]
1/1 [=====] - 0s 89ms/step
>571, dr[0.165,0.681], df[0.458,0.070], g[2.468,0.163]
1/1 [=====] - 0s 90ms/step
>572, dr[0.322,0.720], df[0.108,0.103], g[1.983,0.077]
1/1 [=====] - 0s 97ms/step
>573, dr[0.574,1.070], df[0.383,0.090], g[1.742,0.235]
1/1 [=====] - 0s 88ms/step
>574, dr[0.287,0.973], df[0.252,0.066], g[1.814,0.080]
1/1 [=====] - 0s 93ms/step
>575, dr[0.230,0.521], df[0.396,0.117], g[2.173,0.099]
1/1 [=====] - 0s 88ms/step
>576, dr[0.517,0.596], df[0.271,0.085], g[2.099,0.085]
1/1 [=====] - 0s 88ms/step
>577, dr[0.192,0.330], df[0.245,0.148], g[2.399,0.096]
1/1 [=====] - 0s 91ms/step
>578, dr[0.359,0.653], df[0.295,0.093], g[2.335,0.104]
1/1 [=====] - 0s 96ms/step
>579, dr[0.432,0.642], df[0.258,0.065], g[1.717,0.119]
1/1 [=====] - 0s 86ms/step
>580, dr[0.232,0.596], df[0.445,0.068], g[2.623,0.134]
1/1 [=====] - 0s 87ms/step
>581, dr[0.319,0.620], df[0.170,0.247], g[2.673,0.109]
1/1 [=====] - 0s 96ms/step
>582, dr[0.461,0.478], df[0.375,0.065], g[1.530,0.121]
1/1 [=====] - 0s 89ms/step
>583, dr[0.142,0.364], df[0.263,0.079], g[2.238,0.068]
1/1 [=====] - 0s 92ms/step
>584, dr[0.136,0.360], df[0.167,0.111], g[2.207,0.122]
1/1 [=====] - 0s 96ms/step
>585, dr[0.401,0.866], df[0.211,0.105], g[2.267,0.200]
1/1 [=====] - 0s 95ms/step
>586, dr[0.228,0.883], df[0.325,0.042], g[2.441,0.129]
1/1 [=====] - 0s 92ms/step
>587, dr[0.473,0.572], df[0.364,0.109], g[2.168,0.059]
1/1 [=====] - 0s 92ms/step
>588, dr[0.301,0.548], df[0.333,0.153], g[2.263,0.145]
1/1 [=====] - 0s 95ms/step
>589, dr[0.461,0.670], df[0.325,0.154], g[2.234,0.084]
1/1 [=====] - 0s 91ms/step
>590, dr[0.251,0.541], df[0.346,0.157], g[3.012,0.138]
1/1 [=====] - 0s 95ms/step
>591, dr[0.697,0.726], df[0.636,0.093], g[2.569,0.135]
1/1 [=====] - 0s 97ms/step
>592, dr[0.289,0.821], df[0.127,0.123], g[2.679,0.063]
1/1 [=====] - 0s 100ms/step
>593, dr[0.517,0.294], df[0.564,0.052], g[2.145,0.096]
1/1 [=====] - 0s 92ms/step
>594, dr[0.376,0.920], df[0.413,0.035], g[2.928,0.082]
1/1 [=====] - 0s 103ms/step
>595, dr[0.426,0.564], df[0.493,0.097], g[2.545,0.069]
1/1 [=====] - 0s 101ms/step
>596, dr[0.352,0.751], df[0.371,0.203], g[2.641,0.103]
1/1 [=====] - 0s 93ms/step
>597, dr[0.459,0.674], df[0.317,0.103], g[2.093,0.059]
1/1 [=====] - 0s 108ms/step
>598, dr[0.158,0.677], df[0.227,0.044], g[2.415,0.077]
1/1 [=====] - 0s 107ms/step
>599, dr[0.441,0.987], df[0.269,0.072], g[1.815,0.083]
1/1 [=====] - 0s 114ms/step
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>600, dr[0.217,0.655], df[0.575,0.114], g[2.729,0.172]
1/1 [=====] - 0s 113ms/step
>601, dr[0.422,0.513], df[0.219,0.091], g[2.046,0.086]
1/1 [=====] - 0s 95ms/step
>602, dr[0.513,0.604], df[0.618,0.090], g[2.600,0.113]
1/1 [=====] - 0s 90ms/step
>603, dr[0.257,0.411], df[0.205,0.048], g[2.692,0.067]
1/1 [=====] - 0s 95ms/step
>604, dr[0.986,0.870], df[0.686,0.058], g[1.980,0.144]
1/1 [=====] - 0s 91ms/step
>605, dr[0.194,0.624], df[0.404,0.064], g[2.800,0.264]
1/1 [=====] - 0s 83ms/step
>606, dr[0.343,0.388], df[0.304,0.077], g[3.363,0.170]
1/1 [=====] - 0s 95ms/step
>607, dr[0.316,0.804], df[0.384,0.014], g[2.866,0.069]
1/1 [=====] - 0s 88ms/step
>608, dr[0.310,0.448], df[0.177,0.083], g[1.958,0.030]
1/1 [=====] - 0s 91ms/step
>609, dr[0.143,1.074], df[0.399,0.065], g[2.510,0.059]
1/1 [=====] - 0s 95ms/step
>610, dr[0.392,1.055], df[0.240,0.075], g[2.158,0.193]
1/1 [=====] - 0s 106ms/step
>611, dr[0.201,0.867], df[0.420,0.094], g[2.762,0.086]
1/1 [=====] - 0s 84ms/step
>612, dr[0.435,0.571], df[0.184,0.104], g[1.869,0.080]
1/1 [=====] - 0s 88ms/step
>613, dr[0.176,0.800], df[0.453,0.067], g[2.548,0.076]
1/1 [=====] - 0s 89ms/step
>614, dr[0.477,0.495], df[0.333,0.070], g[3.080,0.106]
1/1 [=====] - 0s 90ms/step
>615, dr[0.296,0.847], df[0.146,0.086], g[3.373,0.174]
1/1 [=====] - 0s 89ms/step
>616, dr[0.407,0.419], df[0.339,0.309], g[3.161,0.172]
1/1 [=====] - 0s 96ms/step
>617, dr[0.510,0.832], df[0.472,0.226], g[2.715,0.149]
1/1 [=====] - 0s 90ms/step
>618, dr[0.157,1.223], df[0.133,0.057], g[3.215,0.076]
1/1 [=====] - 0s 92ms/step
>619, dr[0.221,0.633], df[0.364,0.038], g[3.156,0.088]
1/1 [=====] - 0s 93ms/step
>620, dr[0.235,0.464], df[0.182,0.099], g[3.290,0.305]
1/1 [=====] - 0s 91ms/step
>621, dr[0.430,0.716], df[0.392,0.140], g[2.671,0.073]
1/1 [=====] - 0s 92ms/step
>622, dr[0.160,0.930], df[0.317,0.029], g[2.844,0.087]
1/1 [=====] - 0s 88ms/step
>623, dr[0.322,0.588], df[0.201,0.173], g[2.415,0.060]
1/1 [=====] - 0s 95ms/step
>624, dr[0.320,0.320], df[0.485,0.092], g[1.713,0.156]
1/1 [=====] - 0s 87ms/step
>625, dr[0.155,0.717], df[0.221,0.152], g[2.788,0.098]
1/1 [=====] - 0s 88ms/step
>626, dr[0.482,0.743], df[0.366,0.027], g[1.911,0.025]
1/1 [=====] - 0s 92ms/step
>627, dr[0.233,0.382], df[0.364,0.063], g[2.757,0.081]
1/1 [=====] - 0s 90ms/step
>628, dr[0.148,0.763], df[0.062,0.134], g[2.730,0.158]
1/1 [=====] - 0s 89ms/step
>629, dr[0.400,0.742], df[0.503,0.335], g[3.057,0.133]
1/1 [=====] - 0s 92ms/step
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>630, dr[0.155,0.457], df[0.063,0.164], g[3.558,0.238]
1/1 [=====] - 0s 93ms/step
>631, dr[0.437,0.495], df[0.218,0.131], g[2.480,0.153]
1/1 [=====] - 0s 87ms/step
>632, dr[0.400,0.741], df[0.387,0.069], g[2.312,0.071]
1/1 [=====] - 0s 94ms/step
>633, dr[0.122,1.175], df[0.213,0.107], g[3.282,0.073]
1/1 [=====] - 0s 93ms/step
>634, dr[0.399,0.714], df[0.274,0.081], g[3.061,0.068]
1/1 [=====] - 0s 89ms/step
>635, dr[0.710,0.940], df[0.377,0.102], g[1.819,0.074]
1/1 [=====] - 0s 86ms/step
>636, dr[0.183,0.801], df[0.344,0.139], g[2.573,0.126]
1/1 [=====] - 0s 98ms/step
>637, dr[0.348,0.469], df[0.413,0.091], g[2.801,0.124]
1/1 [=====] - 0s 85ms/step
>638, dr[0.297,0.484], df[0.264,0.169], g[3.721,0.260]
1/1 [=====] - 0s 89ms/step
>639, dr[0.516,0.290], df[0.242,0.061], g[2.475,0.068]
1/1 [=====] - 0s 92ms/step
>640, dr[0.137,0.574], df[0.338,0.031], g[2.351,0.113]
1/1 [=====] - 0s 91ms/step
>641, dr[0.372,0.689], df[0.373,0.066], g[1.868,0.061]
1/1 [=====] - 0s 86ms/step
>642, dr[0.104,1.194], df[0.238,0.139], g[2.709,0.054]
1/1 [=====] - 0s 92ms/step
>643, dr[0.210,0.318], df[0.199,0.078], g[2.662,0.097]
1/1 [=====] - 0s 92ms/step
>644, dr[0.159,0.554], df[0.133,0.056], g[2.638,0.061]
1/1 [=====] - 0s 89ms/step
>645, dr[0.272,0.880], df[0.385,0.094], g[2.723,0.069]
1/1 [=====] - 0s 87ms/step
>646, dr[0.343,0.294], df[0.244,0.185], g[1.947,0.102]
1/1 [=====] - 0s 88ms/step
>647, dr[0.268,0.411], df[0.370,0.050], g[1.793,0.177]
1/1 [=====] - 0s 87ms/step
>648, dr[0.097,0.500], df[0.097,0.052], g[2.577,0.067]
1/1 [=====] - 0s 85ms/step
>649, dr[0.158,0.324], df[0.267,0.086], g[3.569,0.146]
1/1 [=====] - 0s 93ms/step
>650, dr[0.535,0.475], df[0.192,0.151], g[1.894,0.118]
1/1 [=====] - 0s 95ms/step
>651, dr[0.216,1.025], df[0.428,0.075], g[3.883,0.392]
1/1 [=====] - 0s 86ms/step
>652, dr[0.699,1.093], df[0.188,0.104], g[2.335,0.121]
1/1 [=====] - 0s 90ms/step
>653, dr[0.153,0.356], df[0.295,0.131], g[2.951,0.144]
1/1 [=====] - 0s 94ms/step
>654, dr[0.704,0.931], df[0.590,0.286], g[3.072,0.201]
1/1 [=====] - 0s 88ms/step
>655, dr[0.394,0.751], df[0.356,0.072], g[2.669,0.171]
1/1 [=====] - 0s 90ms/step
>656, dr[0.160,0.805], df[0.269,0.343], g[3.092,0.146]
1/1 [=====] - 0s 95ms/step
>657, dr[0.336,0.769], df[0.276,0.277], g[2.955,0.084]
1/1 [=====] - 0s 83ms/step
>658, dr[0.276,0.829], df[0.192,0.086], g[2.667,0.099]
1/1 [=====] - 0s 92ms/step
>659, dr[0.182,0.801], df[0.246,0.018], g[2.663,0.048]
1/1 [=====] - 0s 93ms/step
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>660, dr[0.296,0.575], df[0.197,0.179], g[2.312,0.085]
1/1 [=====] - 0s 88ms/step
>661, dr[0.132,1.061], df[0.394,0.115], g[3.258,0.140]
1/1 [=====] - 0s 93ms/step
>662, dr[0.236,0.916], df[0.126,0.123], g[2.715,0.044]
1/1 [=====] - 0s 95ms/step
>663, dr[0.187,0.642], df[0.240,0.047], g[2.254,0.062]
1/1 [=====] - 0s 91ms/step
>664, dr[0.181,0.844], df[0.204,0.147], g[2.540,0.127]
1/1 [=====] - 0s 88ms/step
>665, dr[0.193,0.433], df[0.123,0.130], g[1.995,0.069]
1/1 [=====] - 0s 85ms/step
>666, dr[0.079,0.558], df[0.159,0.185], g[2.905,0.058]
1/1 [=====] - 0s 90ms/step
>667, dr[0.248,0.681], df[0.375,0.134], g[4.123,0.087]
1/1 [=====] - 0s 84ms/step
>668, dr[0.488,0.884], df[0.127,0.072], g[3.273,0.117]
1/1 [=====] - 0s 90ms/step
>669, dr[0.237,0.401], df[0.260,0.047], g[3.082,0.138]
1/1 [=====] - 0s 98ms/step
>670, dr[0.061,0.789], df[0.257,0.221], g[4.261,0.116]
1/1 [=====] - 0s 92ms/step
>671, dr[0.286,0.423], df[0.198,0.060], g[3.503,0.063]
1/1 [=====] - 0s 89ms/step
>672, dr[0.377,1.447], df[0.410,0.130], g[2.497,0.121]
1/1 [=====] - 0s 101ms/step
>673, dr[0.166,0.678], df[0.208,0.085], g[3.022,0.146]
1/1 [=====] - 0s 103ms/step
>674, dr[0.209,0.536], df[0.459,0.088], g[3.164,0.133]
1/1 [=====] - 0s 93ms/step
>675, dr[0.528,0.439], df[0.359,0.209], g[2.906,0.100]
1/1 [=====] - 0s 112ms/step
>676, dr[0.404,0.580], df[0.388,0.019], g[2.988,0.138]
1/1 [=====] - 0s 93ms/step
>677, dr[0.365,0.841], df[0.364,0.201], g[2.217,0.132]
1/1 [=====] - 0s 96ms/step
>678, dr[0.134,0.677], df[0.424,0.055], g[3.222,0.088]
1/1 [=====] - 0s 98ms/step
>679, dr[0.260,0.995], df[0.061,0.112], g[3.890,0.054]
1/1 [=====] - 0s 90ms/step
>680, dr[0.365,0.762], df[0.280,0.110], g[2.719,0.083]
1/1 [=====] - 0s 107ms/step
>681, dr[0.131,1.059], df[0.123,0.045], g[2.561,0.097]
1/1 [=====] - 0s 94ms/step
>682, dr[0.433,0.951], df[1.149,0.128], g[3.289,0.071]
1/1 [=====] - 0s 88ms/step
>683, dr[0.559,0.490], df[0.131,0.053], g[3.229,0.027]
1/1 [=====] - 0s 98ms/step
>684, dr[0.675,0.328], df[0.371,0.076], g[1.711,0.059]
1/1 [=====] - 0s 115ms/step
>685, dr[0.440,0.876], df[0.741,0.071], g[3.246,0.076]
1/1 [=====] - 0s 97ms/step
>686, dr[0.314,0.589], df[0.219,0.095], g[3.492,0.086]
1/1 [=====] - 0s 87ms/step
>687, dr[0.433,0.718], df[0.054,0.056], g[2.492,0.094]
1/1 [=====] - 0s 110ms/step
>688, dr[0.283,0.501], df[0.398,0.046], g[1.816,0.198]
1/1 [=====] - 0s 99ms/step
>689, dr[0.170,0.811], df[0.218,0.099], g[1.988,0.160]
1/1 [=====] - 0s 86ms/step
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>690, dr[0.338,0.862], df[0.719,0.168], g[2.033,0.182]
1/1 [=====] - 0s 94ms/step
>691, dr[0.453,0.254], df[0.307,0.129], g[2.183,0.128]
1/1 [=====] - 0s 92ms/step
>692, dr[0.161,0.605], df[0.106,0.018], g[2.173,0.200]
1/1 [=====] - 0s 91ms/step
>693, dr[0.336,0.569], df[0.236,0.085], g[1.803,0.103]
1/1 [=====] - 0s 89ms/step
>694, dr[0.170,0.667], df[0.124,0.043], g[1.541,0.156]
1/1 [=====] - 0s 92ms/step
>695, dr[0.178,0.501], df[0.363,0.124], g[2.071,0.242]
1/1 [=====] - 0s 93ms/step
>696, dr[0.167,1.121], df[0.140,0.097], g[2.854,0.134]
1/1 [=====] - 0s 101ms/step
>697, dr[0.385,0.701], df[0.260,0.047], g[2.519,0.215]
1/1 [=====] - 0s 101ms/step
>698, dr[0.287,0.813], df[0.156,0.066], g[2.081,0.160]
1/1 [=====] - 0s 92ms/step
>699, dr[0.127,0.441], df[0.210,0.280], g[3.094,0.106]
1/1 [=====] - 0s 87ms/step
>700, dr[0.326,0.920], df[0.103,0.076], g[2.379,0.114]
1/1 [=====] - 0s 84ms/step
>701, dr[0.204,0.672], df[0.245,0.112], g[2.234,0.229]
1/1 [=====] - 0s 95ms/step
>702, dr[0.166,0.966], df[0.179,0.169], g[2.380,0.197]
1/1 [=====] - 0s 91ms/step
>703, dr[0.152,1.042], df[0.080,0.241], g[2.602,0.240]
1/1 [=====] - 0s 84ms/step
>704, dr[0.088,0.493], df[0.061,0.070], g[2.755,0.290]
1/1 [=====] - 0s 103ms/step
>705, dr[0.122,0.547], df[0.255,0.106], g[2.466,0.253]
1/1 [=====] - 0s 89ms/step
>706, dr[0.107,0.778], df[0.174,0.057], g[3.548,0.087]
1/1 [=====] - 0s 82ms/step
>707, dr[0.247,0.323], df[0.062,0.216], g[2.837,0.256]
1/1 [=====] - 0s 82ms/step
>708, dr[0.192,0.480], df[0.103,0.196], g[1.860,0.156]
1/1 [=====] - 0s 93ms/step
>709, dr[0.252,0.546], df[0.443,0.153], g[2.818,0.143]
1/1 [=====] - 0s 95ms/step
>710, dr[0.110,0.341], df[0.269,0.095], g[3.696,0.202]
1/1 [=====] - 0s 93ms/step
>711, dr[0.365,0.780], df[0.118,0.082], g[3.174,0.105]
1/1 [=====] - 0s 94ms/step
>712, dr[0.156,0.501], df[0.169,0.199], g[2.741,0.226]
1/1 [=====] - 0s 89ms/step
>713, dr[0.126,0.716], df[0.209,0.150], g[3.658,0.279]
1/1 [=====] - 0s 90ms/step
>714, dr[0.159,0.694], df[0.150,0.143], g[2.894,0.198]
1/1 [=====] - 0s 92ms/step
>715, dr[0.121,1.125], df[0.190,0.272], g[3.674,0.108]
1/1 [=====] - 0s 92ms/step
>716, dr[0.289,0.863], df[0.199,0.062], g[2.497,0.090]
1/1 [=====] - 0s 88ms/step
>717, dr[0.241,0.840], df[0.312,0.174], g[2.597,0.135]
1/1 [=====] - 0s 105ms/step
>718, dr[0.370,0.613], df[0.251,0.252], g[2.433,0.193]
1/1 [=====] - 0s 90ms/step
>719, dr[0.304,0.302], df[0.121,0.132], g[1.817,0.313]
1/1 [=====] - 0s 87ms/step
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>720, dr[0.250,0.347], df[0.186,0.173], g[1.786,0.100]
1/1 [=====] - 0s 94ms/step
>721, dr[0.138,0.481], df[0.225,0.281], g[1.982,0.170]
1/1 [=====] - 0s 98ms/step
>722, dr[0.129,0.798], df[0.085,0.240], g[2.138,0.140]
1/1 [=====] - 0s 85ms/step
>723, dr[0.245,0.830], df[0.531,0.408], g[2.746,0.136]
1/1 [=====] - 0s 82ms/step
>724, dr[0.325,0.602], df[0.189,0.081], g[2.873,0.221]
1/1 [=====] - 0s 89ms/step
>725, dr[0.162,1.185], df[0.097,0.255], g[1.695,0.187]
1/1 [=====] - 0s 84ms/step
>726, dr[0.185,0.513], df[0.417,0.199], g[3.155,0.100]
1/1 [=====] - 0s 83ms/step
>727, dr[0.221,0.588], df[0.131,0.180], g[2.908,0.308]
1/1 [=====] - 0s 99ms/step
>728, dr[0.330,0.477], df[0.235,0.195], g[2.918,0.109]
1/1 [=====] - 0s 83ms/step
>729, dr[0.278,0.709], df[0.135,0.217], g[1.251,0.144]
1/1 [=====] - 0s 86ms/step
>730, dr[0.157,0.689], df[0.471,0.082], g[2.364,0.146]
1/1 [=====] - 0s 89ms/step
>731, dr[0.337,0.628], df[0.048,0.087], g[1.587,0.270]
1/1 [=====] - 0s 82ms/step
>732, dr[0.156,0.463], df[0.271,0.245], g[1.453,0.152]
1/1 [=====] - 0s 82ms/step
>733, dr[0.229,0.730], df[0.271,0.079], g[1.911,0.097]
1/1 [=====] - 0s 87ms/step
>734, dr[0.262,0.748], df[0.194,0.334], g[1.182,0.139]
1/1 [=====] - 0s 81ms/step
>735, dr[0.203,0.636], df[0.247,0.132], g[1.449,0.214]
1/1 [=====] - 0s 83ms/step
>736, dr[0.151,0.841], df[0.110,0.114], g[1.013,0.109]
1/1 [=====] - 0s 91ms/step
>737, dr[0.091,0.815], df[0.204,0.064], g[1.441,0.132]
1/1 [=====] - 0s 82ms/step
>738, dr[0.138,0.705], df[0.434,0.443], g[2.802,0.095]
1/1 [=====] - 0s 85ms/step
>739, dr[0.526,0.529], df[0.069,0.112], g[2.151,0.155]
1/1 [=====] - 0s 85ms/step
>740, dr[0.359,0.497], df[0.361,0.138], g[1.333,0.116]
1/1 [=====] - 0s 83ms/step
>741, dr[0.209,0.691], df[0.458,0.064], g[2.618,0.081]
1/1 [=====] - 0s 87ms/step
>742, dr[0.320,0.934], df[0.072,0.110], g[2.029,0.113]
1/1 [=====] - 0s 82ms/step
>743, dr[0.252,0.370], df[0.230,0.118], g[1.347,0.174]
1/1 [=====] - 0s 87ms/step
>744, dr[0.230,0.664], df[0.187,0.136], g[1.061,0.054]
1/1 [=====] - 0s 96ms/step
>745, dr[0.222,0.534], df[0.197,0.040], g[1.265,0.096]
1/1 [=====] - 0s 100ms/step
>746, dr[0.151,1.017], df[0.285,0.056], g[1.379,0.087]
1/1 [=====] - 0s 89ms/step
>747, dr[0.339,0.667], df[0.325,0.220], g[1.357,0.067]
1/1 [=====] - 0s 85ms/step
>748, dr[0.348,0.455], df[0.393,0.121], g[1.578,0.122]
1/1 [=====] - 0s 88ms/step
>749, dr[0.282,0.691], df[0.711,0.060], g[3.513,0.128]
1/1 [=====] - 0s 80ms/step
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>750, dr[0.819,0.678], df[0.205,0.083], g[2.231,0.194]
1/1 [=====] - 0s 86ms/step
>751, dr[0.524,0.706], df[0.353,0.225], g[1.701,0.077]
1/1 [=====] - 0s 87ms/step
>752, dr[0.056,0.526], df[0.119,0.173], g[1.696,0.091]
1/1 [=====] - 0s 82ms/step
>753, dr[0.164,0.434], df[0.172,0.124], g[1.357,0.184]
1/1 [=====] - 0s 84ms/step
>754, dr[0.064,1.063], df[0.095,0.151], g[1.438,0.102]
1/1 [=====] - 0s 86ms/step
>755, dr[0.321,0.432], df[0.370,0.122], g[1.706,0.157]
1/1 [=====] - 0s 82ms/step
>756, dr[0.231,0.842], df[0.268,0.395], g[1.356,0.089]
1/1 [=====] - 0s 84ms/step
>757, dr[0.099,0.561], df[0.229,0.055], g[1.493,0.090]
1/1 [=====] - 0s 84ms/step
>758, dr[0.542,0.606], df[0.242,0.140], g[0.579,0.138]
1/1 [=====] - 0s 88ms/step
>759, dr[0.103,0.414], df[1.145,0.139], g[2.586,0.134]
1/1 [=====] - 0s 86ms/step
>760, dr[0.584,0.883], df[0.063,0.071], g[2.295,0.217]
1/1 [=====] - 0s 82ms/step
>761, dr[0.600,0.912], df[0.807,0.062], g[2.241,0.103]
1/1 [=====] - 0s 84ms/step
>762, dr[0.288,0.823], df[0.113,0.092], g[1.835,0.188]
1/1 [=====] - 0s 94ms/step
>763, dr[0.287,0.668], df[0.373,0.157], g[1.854,0.048]
1/1 [=====] - 0s 83ms/step
>764, dr[0.467,0.510], df[0.454,0.062], g[2.011,0.136]
1/1 [=====] - 0s 84ms/step
>765, dr[0.339,0.548], df[0.293,0.141], g[1.938,0.115]
1/1 [=====] - 0s 89ms/step
>766, dr[0.289,0.799], df[0.520,0.076], g[2.783,0.123]
1/1 [=====] - 0s 84ms/step
>767, dr[0.481,1.048], df[0.192,0.118], g[2.032,0.127]
1/1 [=====] - 0s 81ms/step
>768, dr[0.336,0.410], df[0.532,0.092], g[1.607,0.129]
1/1 [=====] - 0s 87ms/step
>769, dr[0.383,0.580], df[0.618,0.198], g[1.720,0.214]
1/1 [=====] - 0s 85ms/step
>770, dr[0.556,1.004], df[0.424,0.097], g[2.036,0.131]
1/1 [=====] - 0s 112ms/step
>771, dr[0.230,0.942], df[0.246,0.072], g[1.741,0.115]
1/1 [=====] - 0s 97ms/step
>772, dr[0.238,0.662], df[0.431,0.202], g[2.574,0.143]
1/1 [=====] - 0s 96ms/step
>773, dr[0.307,0.328], df[0.189,0.238], g[2.407,0.189]
1/1 [=====] - 0s 99ms/step
>774, dr[0.282,0.898], df[0.300,0.090], g[2.073,0.178]
1/1 [=====] - 0s 90ms/step
>775, dr[0.367,0.866], df[0.285,0.225], g[1.575,0.279]
1/1 [=====] - 0s 96ms/step
>776, dr[0.274,0.881], df[0.479,0.151], g[2.832,0.160]
1/1 [=====] - 0s 91ms/step
>777, dr[0.300,0.413], df[0.195,0.225], g[2.623,0.216]
1/1 [=====] - 0s 89ms/step
>778, dr[0.505,0.986], df[0.549,0.083], g[2.210,0.241]
1/1 [=====] - 0s 95ms/step
>779, dr[0.173,0.385], df[0.216,0.121], g[2.140,0.141]
1/1 [=====] - 0s 88ms/step
```

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>780, dr[0.359,0.615], df[0.524,0.119], g[2.368,0.183]
1/1 [=====] - 0s 86ms/step
>781, dr[0.340,0.703], df[0.515,0.053], g[1.861,0.267]
1/1 [=====] - 0s 93ms/step
>782, dr[0.288,0.289], df[0.373,0.147], g[2.232,0.069]
1/1 [=====] - 0s 90ms/step
>783, dr[0.370,0.508], df[0.108,0.133], g[1.656,0.139]
1/1 [=====] - 0s 85ms/step
>784, dr[0.239,1.100], df[0.477,0.152], g[1.830,0.091]
1/1 [=====] - 0s 93ms/step
>785, dr[0.403,0.901], df[0.245,0.036], g[1.572,0.133]
1/1 [=====] - 0s 90ms/step
>786, dr[0.343,0.653], df[0.458,0.054], g[1.383,0.228]
1/1 [=====] - 0s 94ms/step
>787, dr[0.358,0.452], df[0.435,0.402], g[1.979,0.110]
1/1 [=====] - 0s 94ms/step
>788, dr[0.295,0.364], df[0.153,0.064], g[2.102,0.203]
1/1 [=====] - 0s 93ms/step
>789, dr[0.252,1.469], df[0.195,0.151], g[2.159,0.232]
1/1 [=====] - 0s 88ms/step
>790, dr[0.270,0.356], df[0.400,0.468], g[2.263,0.280]
1/1 [=====] - 0s 87ms/step
>791, dr[0.691,0.729], df[0.842,0.118], g[3.270,0.092]
1/1 [=====] - 0s 97ms/step
>792, dr[0.560,1.198], df[0.113,0.049], g[2.047,0.080]
1/1 [=====] - 0s 86ms/step
>793, dr[0.195,1.058], df[0.437,0.083], g[1.902,0.085]
1/1 [=====] - 0s 90ms/step
>794, dr[0.304,0.612], df[0.522,0.153], g[2.367,0.057]
1/1 [=====] - 0s 96ms/step
>795, dr[0.245,0.873], df[0.131,0.132], g[2.131,0.159]
1/1 [=====] - 0s 87ms/step
>796, dr[0.233,0.630], df[0.185,0.156], g[1.295,0.180]
1/1 [=====] - 0s 92ms/step
>797, dr[0.419,0.652], df[0.334,0.117], g[1.279,0.119]
1/1 [=====] - 0s 94ms/step
>798, dr[0.330,0.433], df[0.606,0.203], g[1.762,0.112]
1/1 [=====] - 0s 93ms/step
>799, dr[0.325,0.468], df[0.473,0.071], g[2.748,0.077]
1/1 [=====] - 0s 85ms/step
>800, dr[0.381,0.595], df[0.182,0.084], g[2.913,0.102]
1/1 [=====] - 0s 99ms/step
>801, dr[0.588,0.764], df[0.402,0.067], g[1.507,0.144]
1/1 [=====] - 0s 91ms/step
>802, dr[0.196,0.368], df[0.168,0.063], g[1.460,0.074]
1/1 [=====] - 0s 91ms/step
>803, dr[0.193,0.809], df[0.597,0.104], g[1.984,0.116]
1/1 [=====] - 0s 94ms/step
>804, dr[0.182,0.287], df[0.147,0.027], g[2.743,0.121]
1/1 [=====] - 0s 94ms/step
>805, dr[0.420,0.386], df[0.304,0.070], g[2.193,0.082]
1/1 [=====] - 0s 87ms/step
>806, dr[0.375,0.378], df[0.565,0.072], g[2.208,0.191]
1/1 [=====] - 0s 110ms/step
>807, dr[0.309,0.643], df[0.201,0.098], g[1.910,0.112]
1/1 [=====] - 0s 93ms/step
>808, dr[0.544,1.009], df[0.816,0.221], g[2.591,0.226]
1/1 [=====] - 0s 88ms/step
>809, dr[0.484,0.459], df[0.141,0.051], g[2.021,0.059]
1/1 [=====] - 0s 91ms/step
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>810, dr[0.228,0.809], df[0.476,0.118], g[2.112,0.127]
1/1 [=====] - 0s 92ms/step
>811, dr[0.391,0.686], df[0.482,0.052], g[3.235,0.074]
1/1 [=====] - 0s 89ms/step
>812, dr[0.490,0.184], df[0.370,0.288], g[3.431,0.083]
1/1 [=====] - 0s 87ms/step
>813, dr[0.415,0.733], df[0.288,0.135], g[2.849,0.212]
1/1 [=====] - 0s 90ms/step
>814, dr[0.339,0.946], df[0.303,0.156], g[2.441,0.233]
1/1 [=====] - 0s 96ms/step
>815, dr[0.394,0.531], df[0.335,0.171], g[2.911,0.201]
1/1 [=====] - 0s 86ms/step
>816, dr[0.459,1.062], df[0.274,0.240], g[2.733,0.098]
1/1 [=====] - 0s 90ms/step
>817, dr[0.183,0.655], df[0.296,0.114], g[3.588,0.158]
1/1 [=====] - 0s 90ms/step
>818, dr[0.324,0.591], df[0.277,0.107], g[3.183,0.148]
1/1 [=====] - 0s 89ms/step
>819, dr[0.428,0.504], df[0.296,0.124], g[2.550,0.258]
1/1 [=====] - 0s 89ms/step
>820, dr[0.264,1.421], df[0.643,0.210], g[2.830,0.134]
1/1 [=====] - 0s 94ms/step
>821, dr[0.358,0.780], df[0.268,0.116], g[2.920,0.114]
1/1 [=====] - 0s 92ms/step
>822, dr[0.406,0.809], df[0.297,0.093], g[2.714,0.171]
1/1 [=====] - 0s 93ms/step
>823, dr[0.533,0.585], df[0.649,0.136], g[1.865,0.227]
1/1 [=====] - 0s 92ms/step
>824, dr[0.231,0.428], df[0.553,0.223], g[3.626,0.228]
1/1 [=====] - 0s 86ms/step
>825, dr[0.742,0.831], df[0.641,0.099], g[3.014,0.272]
1/1 [=====] - 0s 89ms/step
>826, dr[0.824,0.721], df[0.611,0.119], g[2.599,0.179]
1/1 [=====] - 0s 92ms/step
>827, dr[0.356,1.133], df[0.593,0.109], g[4.075,0.118]
1/1 [=====] - 0s 87ms/step
>828, dr[0.624,0.523], df[0.116,0.156], g[2.095,0.313]
1/1 [=====] - 0s 83ms/step
>829, dr[0.432,0.440], df[1.013,0.153], g[2.783,0.288]
1/1 [=====] - 0s 85ms/step
>830, dr[0.450,0.893], df[0.484,0.318], g[2.828,0.113]
1/1 [=====] - 0s 88ms/step
>831, dr[0.797,1.043], df[0.465,0.151], g[2.473,0.218]
1/1 [=====] - 0s 90ms/step
>832, dr[0.302,0.382], df[0.289,0.096], g[2.368,0.135]
1/1 [=====] - 0s 88ms/step
>833, dr[0.310,0.585], df[0.420,0.125], g[2.668,0.139]
1/1 [=====] - 0s 89ms/step
>834, dr[0.412,0.522], df[0.340,0.339], g[3.248,0.161]
1/1 [=====] - 0s 82ms/step
>835, dr[0.375,0.421], df[0.189,0.345], g[2.584,0.129]
1/1 [=====] - 0s 89ms/step
>836, dr[0.175,0.693], df[0.304,0.190], g[2.767,0.252]
1/1 [=====] - 0s 89ms/step
>837, dr[0.311,0.717], df[0.665,0.096], g[3.935,0.184]
1/1 [=====] - 0s 83ms/step
>838, dr[0.565,0.473], df[0.153,0.313], g[3.252,0.201]
1/1 [=====] - 0s 84ms/step
>839, dr[0.620,0.973], df[1.074,0.196], g[3.659,0.210]
1/1 [=====] - 0s 86ms/step
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>840, dr[0.345,0.577], df[0.158,0.181], g[3.982,0.252]
1/1 [=====] - 0s 82ms/step
>841, dr[0.660,0.476], df[0.266,0.192], g[2.748,0.169]
1/1 [=====] - 0s 94ms/step
>842, dr[0.121,0.788], df[0.366,0.120], g[4.184,0.214]
1/1 [=====] - 0s 85ms/step
>843, dr[0.321,0.581], df[0.210,0.194], g[3.863,0.406]
1/1 [=====] - 0s 84ms/step
>844, dr[0.229,0.544], df[0.592,0.193], g[3.600,0.175]
1/1 [=====] - 0s 85ms/step
>845, dr[0.474,0.460], df[0.439,0.107], g[2.789,0.258]
1/1 [=====] - 0s 81ms/step
>846, dr[0.563,0.693], df[0.674,0.341], g[2.908,0.226]
1/1 [=====] - 0s 92ms/step
>847, dr[0.400,0.811], df[0.480,0.227], g[3.809,0.127]
1/1 [=====] - 0s 85ms/step
>848, dr[0.568,0.988], df[0.362,0.111], g[2.432,0.250]
1/1 [=====] - 0s 83ms/step
>849, dr[0.204,0.919], df[0.470,0.159], g[3.074,0.226]
1/1 [=====] - 0s 84ms/step
>850, dr[0.584,0.687], df[0.514,0.141], g[3.023,0.364]
1/1 [=====] - 0s 87ms/step
>851, dr[0.489,0.607], df[0.394,0.128], g[2.324,0.194]
1/1 [=====] - 0s 84ms/step
>852, dr[0.512,0.512], df[0.457,0.056], g[1.935,0.269]
1/1 [=====] - 0s 91ms/step
>853, dr[0.360,1.098], df[0.528,0.251], g[1.601,0.226]
1/1 [=====] - 0s 86ms/step
>854, dr[0.498,0.784], df[0.471,0.317], g[2.146,0.102]
1/1 [=====] - 0s 84ms/step
>855, dr[0.389,0.791], df[0.582,0.340], g[2.646,0.124]
1/1 [=====] - 0s 83ms/step
>856, dr[0.805,0.608], df[0.476,0.218], g[2.072,0.260]
1/1 [=====] - 0s 91ms/step
>857, dr[0.260,0.738], df[0.515,0.266], g[2.592,0.220]
1/1 [=====] - 0s 83ms/step
>858, dr[0.553,0.547], df[0.251,0.160], g[2.454,0.269]
1/1 [=====] - 0s 84ms/step
>859, dr[0.298,0.417], df[0.328,0.126], g[2.253,0.108]
1/1 [=====] - 0s 89ms/step
>860, dr[0.206,1.149], df[0.315,0.186], g[3.087,0.216]
1/1 [=====] - 0s 84ms/step
>861, dr[0.200,0.636], df[0.300,0.141], g[3.847,0.180]
1/1 [=====] - 0s 82ms/step
>862, dr[0.431,0.509], df[0.271,0.305], g[2.381,0.193]
1/1 [=====] - 0s 91ms/step
>863, dr[0.454,0.525], df[0.939,0.198], g[3.393,0.197]
1/1 [=====] - 0s 84ms/step
>864, dr[0.751,0.565], df[0.571,0.342], g[3.786,0.118]
1/1 [=====] - 0s 81ms/step
>865, dr[1.039,0.660], df[0.343,0.159], g[1.679,0.269]
1/1 [=====] - 0s 86ms/step
>866, dr[0.230,0.524], df[0.653,0.192], g[2.002,0.228]
1/1 [=====] - 0s 79ms/step
>867, dr[0.220,0.316], df[0.325,0.156], g[2.575,0.166]
1/1 [=====] - 0s 84ms/step
>868, dr[0.702,0.829], df[0.767,0.200], g[2.339,0.139]
1/1 [=====] - 0s 90ms/step
>869, dr[0.399,0.873], df[0.430,0.173], g[1.817,0.210]
1/1 [=====] - 0s 82ms/step
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>870, dr[0.316,0.375], df[0.185,0.197], g[1.774,0.207]
1/1 [=====] - 0s 86ms/step
>871, dr[0.274,0.779], df[0.312,0.215], g[1.862,0.335]
1/1 [=====] - 0s 89ms/step
>872, dr[0.389,0.543], df[0.561,0.187], g[1.895,0.195]
1/1 [=====] - 0s 83ms/step
>873, dr[0.312,0.548], df[0.324,0.450], g[3.263,0.130]
1/1 [=====] - 0s 86ms/step
>874, dr[0.722,0.512], df[0.519,0.186], g[2.052,0.191]
1/1 [=====] - 0s 89ms/step
>875, dr[0.309,0.623], df[0.388,0.132], g[2.799,0.277]
1/1 [=====] - 0s 90ms/step
>876, dr[0.662,1.647], df[0.568,0.201], g[1.904,0.160]
1/1 [=====] - 0s 91ms/step
>877, dr[0.435,0.935], df[0.630,0.335], g[2.341,0.262]
1/1 [=====] - 0s 80ms/step
>878, dr[0.600,0.667], df[0.397,0.346], g[2.501,0.225]
1/1 [=====] - 0s 81ms/step
>879, dr[0.466,0.438], df[0.612,0.315], g[2.389,0.251]
1/1 [=====] - 0s 91ms/step
>880, dr[0.190,0.580], df[0.408,0.099], g[3.038,0.132]
1/1 [=====] - 0s 86ms/step
>881, dr[0.484,0.838], df[0.256,0.229], g[2.861,0.164]
1/1 [=====] - 0s 90ms/step
>882, dr[0.568,0.858], df[0.621,0.196], g[2.148,0.212]
1/1 [=====] - 0s 93ms/step
>883, dr[0.345,0.849], df[0.334,0.095], g[2.109,0.301]
1/1 [=====] - 0s 84ms/step
>884, dr[0.264,1.102], df[0.503,0.292], g[2.679,0.195]
1/1 [=====] - 0s 84ms/step
>885, dr[0.231,0.773], df[0.241,0.285], g[2.467,0.094]
1/1 [=====] - 0s 87ms/step
>886, dr[0.448,0.795], df[0.731,0.119], g[2.461,0.232]
1/1 [=====] - 0s 89ms/step
>887, dr[0.369,0.336], df[0.238,0.152], g[2.751,0.321]
1/1 [=====] - 0s 82ms/step
>888, dr[0.359,0.481], df[0.259,0.182], g[2.651,0.104]
1/1 [=====] - 0s 86ms/step
>889, dr[0.622,0.776], df[0.526,0.427], g[1.672,0.134]
1/1 [=====] - 0s 80ms/step
>890, dr[0.304,0.415], df[0.232,0.184], g[2.015,0.204]
1/1 [=====] - 0s 90ms/step
>891, dr[0.222,0.341], df[0.578,0.112], g[2.834,0.109]
1/1 [=====] - 0s 84ms/step
>892, dr[0.465,0.517], df[0.183,0.189], g[2.759,0.126]
1/1 [=====] - 0s 85ms/step
>893, dr[0.301,0.722], df[0.331,0.175], g[2.317,0.235]
1/1 [=====] - 0s 88ms/step
>894, dr[0.254,0.680], df[0.313,0.235], g[2.690,0.189]
1/1 [=====] - 0s 83ms/step
>895, dr[0.352,0.796], df[0.246,0.064], g[2.119,0.268]
1/1 [=====] - 0s 84ms/step
>896, dr[0.440,0.792], df[0.700,0.099], g[2.966,0.118]
1/1 [=====] - 0s 86ms/step
>897, dr[0.254,0.778], df[0.225,0.206], g[3.538,0.163]
1/1 [=====] - 0s 80ms/step
>898, dr[0.666,0.926], df[0.355,0.164], g[2.122,0.339]
1/1 [=====] - 0s 90ms/step
>899, dr[0.227,1.867], df[0.639,0.387], g[3.320,0.187]
1/1 [=====] - 0s 86ms/step
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>900, dr[0.567,0.446], df[0.298,0.093], g[3.013,0.128]
1/1 [=====] - 0s 85ms/step
>901, dr[0.387,0.545], df[0.287,0.139], g[1.935,0.166]
1/1 [=====] - 0s 88ms/step
>902, dr[0.265,0.884], df[0.366,0.213], g[2.631,0.233]
1/1 [=====] - 0s 89ms/step
>903, dr[0.241,0.522], df[0.317,0.155], g[2.700,0.265]
1/1 [=====] - 0s 81ms/step
>904, dr[0.277,0.642], df[0.375,0.363], g[3.475,0.266]
1/1 [=====] - 0s 85ms/step
>905, dr[0.399,1.341], df[0.294,0.315], g[3.208,0.169]
1/1 [=====] - 0s 85ms/step
>906, dr[0.747,0.526], df[0.759,0.178], g[2.914,0.225]
1/1 [=====] - 0s 85ms/step
>907, dr[0.361,0.565], df[0.577,0.301], g[3.563,0.215]
1/1 [=====] - 0s 88ms/step
>908, dr[0.632,0.679], df[0.364,0.074], g[2.862,0.229]
1/1 [=====] - 0s 86ms/step
>909, dr[0.485,0.488], df[0.473,0.213], g[2.203,0.170]
1/1 [=====] - 0s 84ms/step
>910, dr[0.191,0.507], df[0.325,0.363], g[3.311,0.255]
1/1 [=====] - 0s 99ms/step
>911, dr[0.597,0.626], df[0.411,0.325], g[2.420,0.181]
1/1 [=====] - 0s 85ms/step
>912, dr[0.448,0.677], df[0.522,0.190], g[3.012,0.121]
1/1 [=====] - 0s 83ms/step
>913, dr[0.499,0.845], df[0.376,0.206], g[3.485,0.332]
1/1 [=====] - 0s 86ms/step
>914, dr[0.376,0.570], df[0.348,0.394], g[3.110,0.232]
1/1 [=====] - 0s 100ms/step
>915, dr[0.246,0.276], df[0.359,0.353], g[3.203,0.264]
1/1 [=====] - 0s 90ms/step
>916, dr[0.641,0.636], df[0.218,0.175], g[2.299,0.194]
1/1 [=====] - 0s 82ms/step
>917, dr[0.331,0.677], df[0.681,0.261], g[2.945,0.107]
1/1 [=====] - 0s 93ms/step
>918, dr[0.385,0.599], df[0.434,0.238], g[3.310,0.290]
1/1 [=====] - 0s 81ms/step
>919, dr[0.689,0.322], df[0.454,0.358], g[2.531,0.081]
1/1 [=====] - 0s 87ms/step
>920, dr[0.231,0.425], df[0.423,0.562], g[3.299,0.160]
1/1 [=====] - 0s 88ms/step
>921, dr[0.740,1.130], df[0.303,0.270], g[2.128,0.222]
1/1 [=====] - 0s 82ms/step
>922, dr[0.151,0.862], df[0.363,0.230], g[2.071,0.194]
1/1 [=====] - 0s 86ms/step
>923, dr[0.313,0.660], df[0.572,0.172], g[2.700,0.290]
1/1 [=====] - 0s 87ms/step
>924, dr[0.392,0.688], df[0.352,0.165], g[3.062,0.161]
1/1 [=====] - 0s 83ms/step
>925, dr[0.699,0.842], df[0.490,0.378], g[1.708,0.147]
1/1 [=====] - 0s 86ms/step
>926, dr[0.181,0.157], df[0.765,0.265], g[3.482,0.106]
1/1 [=====] - 0s 85ms/step
>927, dr[0.371,0.633], df[0.177,0.283], g[3.155,0.098]
1/1 [=====] - 0s 83ms/step
>928, dr[0.925,1.033], df[0.379,0.127], g[2.071,0.293]
1/1 [=====] - 0s 86ms/step
>929, dr[0.223,0.649], df[0.529,0.198], g[2.786,0.159]
1/1 [=====] - 0s 83ms/step
```

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>930, dr[0.139,0.390], df[0.137,0.100], g[3.748,0.257]
1/1 [=====] - 0s 82ms/step
>931, dr[0.460,0.953], df[0.293,0.400], g[2.824,0.235]
1/1 [=====] - 0s 90ms/step
>932, dr[0.259,0.650], df[0.778,0.217], g[3.203,0.311]
1/1 [=====] - 0s 83ms/step
>933, dr[0.518,0.959], df[0.191,0.419], g[2.890,0.247]
1/1 [=====] - 0s 87ms/step
>934, dr[0.266,0.580], df[0.326,0.081], g[2.506,0.234]
1/1 [=====] - 0s 89ms/step
>935, dr[0.325,0.846], df[0.718,0.160], g[2.808,0.124]
1/1 [=====] - 0s 82ms/step
>936, dr[0.288,0.775], df[0.247,0.192], g[3.685,0.148]
1/1 [=====] - 0s 83ms/step
>937, dr[0.552,1.102], df[0.325,0.132], g[2.561,0.239]
4/4 [=====] - 0s 52ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 81ms/step
>938, dr[0.157,0.838], df[0.557,0.280], g[4.192,0.166]
1/1 [=====] - 0s 108ms/step
>939, dr[0.580,0.420], df[0.213,0.173], g[2.629,0.294]
1/1 [=====] - 0s 88ms/step
>940, dr[0.272,1.029], df[0.318,0.432], g[2.249,0.226]
1/1 [=====] - 0s 84ms/step
>941, dr[0.295,0.311], df[0.335,0.158], g[2.482,0.170]
1/1 [=====] - 0s 114ms/step
>942, dr[0.153,0.810], df[0.448,0.182], g[3.673,0.084]
1/1 [=====] - 0s 89ms/step
>943, dr[0.572,1.030], df[0.321,0.172], g[2.156,0.162]
1/1 [=====] - 0s 101ms/step
>944, dr[0.203,0.418], df[0.658,0.221], g[3.115,0.241]
1/1 [=====] - 0s 86ms/step
>945, dr[0.448,0.423], df[0.179,0.103], g[3.448,0.197]
1/1 [=====] - 0s 94ms/step
>946, dr[0.561,0.811], df[0.263,0.163], g[2.361,0.123]
1/1 [=====] - 0s 104ms/step
>947, dr[0.327,1.466], df[0.831,0.076], g[3.179,0.104]
1/1 [=====] - 0s 93ms/step
>948, dr[0.347,0.471], df[0.570,0.182], g[3.677,0.109]
1/1 [=====] - 0s 93ms/step
>949, dr[0.464,0.940], df[0.114,0.157], g[2.971,0.172]
1/1 [=====] - 0s 115ms/step
>950, dr[0.496,0.658], df[0.488,0.128], g[2.681,0.101]
1/1 [=====] - 0s 87ms/step
>951, dr[0.190,0.434], df[0.271,0.077], g[2.888,0.093]
1/1 [=====] - 0s 89ms/step
>952, dr[0.424,0.995], df[0.543,0.203], g[2.664,0.364]
1/1 [=====] - 0s 109ms/step
>953, dr[0.297,0.696], df[0.230,0.074], g[2.891,0.256]
1/1 [=====] - 0s 94ms/step
>954, dr[0.349,0.632], df[0.425,0.321], g[2.681,0.292]
1/1 [=====] - 0s 85ms/step
>955, dr[0.217,0.238], df[0.388,0.351], g[3.466,0.303]
1/1 [=====] - 0s 88ms/step
>956, dr[0.615,1.001], df[0.480,0.186], g[3.009,0.251]
1/1 [=====] - 0s 98ms/step
>957, dr[0.726,0.542], df[0.490,0.314], g[2.977,0.175]
1/1 [=====] - 0s 95ms/step
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>958, dr[0.526,0.545], df[0.242,0.178], g[2.286,0.286]
1/1 [=====] - 0s 91ms/step
>959, dr[0.220,0.799], df[0.271,0.217], g[2.884,0.149]
1/1 [=====] - 0s 94ms/step
>960, dr[0.276,0.548], df[0.282,0.397], g[2.537,0.419]
1/1 [=====] - 0s 104ms/step
>961, dr[0.211,0.763], df[0.203,0.095], g[3.147,0.194]
1/1 [=====] - 0s 87ms/step
>962, dr[0.261,0.774], df[0.271,0.184], g[2.965,0.128]
1/1 [=====] - 0s 92ms/step
>963, dr[0.346,0.546], df[0.388,0.365], g[3.096,0.313]
1/1 [=====] - 0s 96ms/step
>964, dr[0.487,0.619], df[0.426,0.340], g[3.274,0.262]
1/1 [=====] - 0s 88ms/step
>965, dr[0.425,0.395], df[0.229,0.222], g[1.684,0.168]
1/1 [=====] - 0s 89ms/step
>966, dr[0.253,0.792], df[0.221,0.226], g[2.385,0.202]
1/1 [=====] - 0s 90ms/step
>967, dr[0.273,0.557], df[0.439,0.250], g[2.747,0.345]
1/1 [=====] - 0s 85ms/step
>968, dr[0.353,0.500], df[0.170,0.221], g[2.225,0.190]
1/1 [=====] - 0s 107ms/step
>969, dr[0.226,1.075], df[0.409,0.192], g[2.926,0.273]
1/1 [=====] - 0s 99ms/step
>970, dr[0.185,0.271], df[0.202,0.148], g[3.272,0.210]
1/1 [=====] - 0s 108ms/step
>971, dr[0.492,0.774], df[0.384,0.363], g[2.380,0.319]
1/1 [=====] - 0s 94ms/step
>972, dr[0.158,0.629], df[0.480,0.283], g[2.586,0.156]
1/1 [=====] - 0s 90ms/step
>973, dr[0.572,0.500], df[0.277,0.431], g[2.361,0.139]
1/1 [=====] - 0s 94ms/step
>974, dr[0.090,0.817], df[0.302,0.546], g[3.302,0.260]
1/1 [=====] - 0s 88ms/step
>975, dr[0.438,0.657], df[0.183,0.244], g[2.951,0.204]
1/1 [=====] - 0s 89ms/step
>976, dr[0.378,0.616], df[0.346,0.260], g[2.984,0.198]
1/1 [=====] - 0s 93ms/step
>977, dr[0.359,0.727], df[0.648,0.189], g[3.013,0.327]
1/1 [=====] - 0s 98ms/step
>978, dr[0.420,0.597], df[0.156,0.293], g[2.806,0.218]
1/1 [=====] - 0s 96ms/step
>979, dr[0.181,0.779], df[0.389,0.290], g[3.159,0.117]
1/1 [=====] - 0s 88ms/step
>980, dr[0.410,0.697], df[0.307,0.148], g[2.873,0.184]
1/1 [=====] - 0s 98ms/step
>981, dr[0.282,0.621], df[0.332,0.357], g[2.583,0.246]
1/1 [=====] - 0s 91ms/step
>982, dr[0.282,0.753], df[0.307,0.091], g[2.281,0.151]
1/1 [=====] - 0s 90ms/step
>983, dr[0.235,0.999], df[0.273,0.195], g[3.053,0.295]
1/1 [=====] - 0s 91ms/step
>984, dr[0.428,0.552], df[0.326,0.336], g[2.209,0.188]
1/1 [=====] - 0s 86ms/step
>985, dr[0.223,0.370], df[0.434,0.270], g[2.738,0.362]
1/1 [=====] - 0s 91ms/step
>986, dr[0.264,0.508], df[0.281,0.333], g[3.128,0.175]
1/1 [=====] - 0s 91ms/step
>987, dr[0.324,0.771], df[0.433,0.103], g[2.801,0.257]
1/1 [=====] - 0s 91ms/step
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>988, dr[0.696,0.643], df[0.609,0.375], g[2.134,0.169]
1/1 [=====] - 0s 88ms/step
>989, dr[0.172,0.603], df[0.412,0.239], g[3.429,0.178]
1/1 [=====] - 0s 90ms/step
>990, dr[0.478,1.079], df[0.226,0.088], g[3.395,0.062]
1/1 [=====] - 0s 90ms/step
>991, dr[0.322,0.261], df[0.162,0.170], g[2.560,0.136]
1/1 [=====] - 0s 88ms/step
>992, dr[0.220,0.473], df[0.692,0.117], g[2.951,0.201]
1/1 [=====] - 0s 93ms/step
>993, dr[0.480,0.664], df[0.340,0.283], g[3.211,0.115]
1/1 [=====] - 0s 90ms/step
>994, dr[0.216,0.708], df[0.184,0.201], g[3.737,0.152]
1/1 [=====] - 0s 88ms/step
>995, dr[0.429,1.039], df[0.343,0.262], g[3.022,0.166]
1/1 [=====] - 0s 126ms/step
>996, dr[0.347,0.313], df[0.826,0.349], g[3.521,0.259]
1/1 [=====] - 0s 189ms/step
>997, dr[0.421,0.459], df[0.221,0.122], g[3.247,0.220]
1/1 [=====] - 0s 177ms/step
>998, dr[0.655,0.748], df[0.354,0.104], g[2.192,0.215]
1/1 [=====] - 0s 118ms/step
>999, dr[0.239,0.909], df[0.364,0.182], g[2.917,0.307]
1/1 [=====] - 0s 213ms/step
>1000, dr[0.269,0.481], df[0.266,0.178], g[2.886,0.179]
1/1 [=====] - 0s 129ms/step
>1001, dr[0.383,0.882], df[0.289,0.065], g[2.660,0.247]
1/1 [=====] - 0s 95ms/step
>1002, dr[0.195,0.773], df[0.410,0.407], g[3.424,0.168]
1/1 [=====] - 0s 97ms/step
>1003, dr[0.503,0.669], df[0.175,0.203], g[2.433,0.193]
1/1 [=====] - 0s 105ms/step
>1004, dr[0.219,0.407], df[0.397,0.197], g[2.474,0.219]
1/1 [=====] - 0s 99ms/step
>1005, dr[0.368,0.548], df[0.451,0.103], g[2.508,0.241]
1/1 [=====] - 0s 87ms/step
>1006, dr[0.333,0.793], df[0.243,0.094], g[2.750,0.134]
1/1 [=====] - 0s 93ms/step
>1007, dr[0.212,0.575], df[0.305,0.241], g[2.279,0.271]
1/1 [=====] - 0s 94ms/step
>1008, dr[0.369,1.044], df[0.380,0.103], g[2.809,0.305]
1/1 [=====] - 0s 104ms/step
>1009, dr[0.545,0.763], df[0.294,0.115], g[2.373,0.239]
1/1 [=====] - 0s 103ms/step
>1010, dr[0.103,0.694], df[0.278,0.099], g[2.790,0.238]
1/1 [=====] - 0s 115ms/step
>1011, dr[0.429,0.301], df[0.326,0.143], g[3.011,0.210]
1/1 [=====] - 0s 94ms/step
>1012, dr[0.360,0.810], df[0.384,0.177], g[2.837,0.244]
1/1 [=====] - 0s 91ms/step
>1013, dr[0.234,0.332], df[0.201,0.336], g[3.031,0.154]
1/1 [=====] - 0s 85ms/step
>1014, dr[0.385,0.421], df[0.372,0.176], g[2.487,0.208]
1/1 [=====] - 0s 92ms/step
>1015, dr[0.355,0.580], df[0.335,0.379], g[2.614,0.191]
1/1 [=====] - 0s 90ms/step
>1016, dr[0.155,0.885], df[0.235,0.156], g[2.617,0.209]
1/1 [=====] - 0s 87ms/step
>1017, dr[0.351,1.334], df[0.411,0.326], g[2.802,0.152]
1/1 [=====] - 0s 84ms/step
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>1018, dr[0.314,0.524], df[0.452,0.122], g[3.250,0.307]
1/1 [=====] - 0s 98ms/step
>1019, dr[0.327,0.739], df[0.375,0.269], g[3.549,0.255]
1/1 [=====] - 0s 92ms/step
>1020, dr[0.351,0.826], df[0.081,0.202], g[3.203,0.226]
1/1 [=====] - 0s 84ms/step
>1021, dr[0.348,0.499], df[0.310,0.340], g[2.407,0.253]
1/1 [=====] - 0s 87ms/step
>1022, dr[0.264,0.536], df[0.434,0.321], g[2.425,0.137]
1/1 [=====] - 0s 83ms/step
>1023, dr[0.440,0.507], df[0.407,0.247], g[2.948,0.252]
1/1 [=====] - 0s 87ms/step
>1024, dr[0.260,0.505], df[0.399,0.210], g[3.514,0.174]
1/1 [=====] - 0s 92ms/step
>1025, dr[0.411,0.576], df[0.188,0.292], g[2.333,0.240]
1/1 [=====] - 0s 83ms/step
>1026, dr[0.454,1.239], df[0.450,0.241], g[2.044,0.207]
1/1 [=====] - 0s 84ms/step
>1027, dr[0.105,0.536], df[0.374,0.223], g[3.700,0.194]
1/1 [=====] - 0s 99ms/step
>1028, dr[0.530,0.518], df[0.533,0.156], g[3.508,0.178]
1/1 [=====] - 0s 89ms/step
>1029, dr[0.515,0.671], df[0.218,0.132], g[2.651,0.251]
1/1 [=====] - 0s 291ms/step
>1030, dr[0.262,0.646], df[0.492,0.221], g[3.275,0.332]
1/1 [=====] - 0s 265ms/step
>1031, dr[0.194,0.625], df[0.174,0.245], g[3.435,0.174]
1/1 [=====] - 0s 256ms/step
>1032, dr[0.406,0.786], df[0.272,0.109], g[2.914,0.189]
1/1 [=====] - 0s 165ms/step
>1033, dr[0.188,1.010], df[0.384,0.176], g[3.371,0.198]
1/1 [=====] - 0s 97ms/step
>1034, dr[0.390,0.605], df[0.206,0.104], g[2.800,0.143]
1/1 [=====] - 0s 136ms/step
>1035, dr[0.206,0.580], df[0.154,0.180], g[2.500,0.170]
1/1 [=====] - 0s 327ms/step
>1036, dr[0.253,0.563], df[0.355,0.304], g[2.502,0.187]
1/1 [=====] - 0s 94ms/step
>1037, dr[0.240,0.567], df[0.346,0.416], g[2.824,0.158]
1/1 [=====] - 0s 252ms/step
>1038, dr[0.316,0.259], df[0.194,0.196], g[3.495,0.192]
1/1 [=====] - 0s 277ms/step
>1039, dr[0.170,1.105], df[0.220,0.189], g[2.771,0.125]
1/1 [=====] - 0s 224ms/step
>1040, dr[0.200,0.679], df[0.437,0.382], g[3.854,0.195]
1/1 [=====] - 0s 343ms/step
>1041, dr[0.609,0.994], df[0.189,0.327], g[2.870,0.259]
1/1 [=====] - 0s 289ms/step
>1042, dr[0.406,0.621], df[0.407,0.090], g[2.813,0.174]
1/1 [=====] - 0s 171ms/step
>1043, dr[0.130,0.816], df[0.169,0.232], g[3.677,0.114]
1/1 [=====] - 0s 138ms/step
>1044, dr[0.166,0.788], df[0.095,0.211], g[3.918,0.173]
1/1 [=====] - 0s 169ms/step
>1045, dr[0.226,1.010], df[0.166,0.198], g[2.899,0.242]
1/1 [=====] - 0s 126ms/step
>1046, dr[0.137,0.472], df[0.413,0.335], g[3.450,0.079]
1/1 [=====] - 0s 131ms/step
>1047, dr[0.317,0.806], df[0.275,0.114], g[3.402,0.238]
1/1 [=====] - 0s 154ms/step
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>1048, dr[0.406,0.700], df[0.141,0.146], g[2.680,0.200]
1/1 [=====] - 0s 93ms/step
>1049, dr[0.185,0.978], df[0.695,0.171], g[3.005,0.271]
1/1 [=====] - 0s 97ms/step
>1050, dr[0.218,0.553], df[0.326,0.297], g[4.912,0.238]
1/1 [=====] - 0s 129ms/step
>1051, dr[0.602,0.372], df[0.123,0.143], g[2.276,0.108]
1/1 [=====] - 0s 126ms/step
>1052, dr[0.268,0.586], df[0.805,0.185], g[3.080,0.223]
1/1 [=====] - 0s 200ms/step
>1053, dr[0.328,0.335], df[0.115,0.186], g[3.436,0.180]
1/1 [=====] - 0s 123ms/step
>1054, dr[0.270,0.311], df[0.157,0.106], g[3.649,0.100]
1/1 [=====] - 0s 131ms/step
>1055, dr[0.163,0.320], df[0.120,0.160], g[2.687,0.216]
1/1 [=====] - 0s 116ms/step
>1056, dr[0.068,0.873], df[0.151,0.217], g[3.639,0.144]
1/1 [=====] - 0s 98ms/step
>1057, dr[0.171,1.097], df[0.202,0.145], g[3.281,0.312]
1/1 [=====] - 0s 151ms/step
>1058, dr[0.108,0.617], df[0.173,0.271], g[3.211,0.245]
1/1 [=====] - 0s 235ms/step
>1059, dr[0.118,0.585], df[0.119,0.236], g[2.757,0.165]
1/1 [=====] - 0s 94ms/step
>1060, dr[0.287,0.848], df[0.307,0.136], g[2.652,0.052]
1/1 [=====] - 0s 96ms/step
>1061, dr[0.150,1.154], df[0.358,0.119], g[3.470,0.177]
1/1 [=====] - 0s 86ms/step
>1062, dr[0.783,0.727], df[0.315,0.262], g[3.272,0.197]
1/1 [=====] - 0s 93ms/step
>1063, dr[0.194,0.615], df[0.450,0.212], g[2.851,0.418]
1/1 [=====] - 0s 90ms/step
>1064, dr[0.262,0.627], df[0.396,0.127], g[3.065,0.159]
1/1 [=====] - 0s 91ms/step
>1065, dr[0.607,0.400], df[0.444,0.264], g[3.191,0.083]
1/1 [=====] - 0s 98ms/step
>1066, dr[0.181,0.699], df[0.191,0.168], g[2.854,0.157]
1/1 [=====] - 0s 82ms/step
>1067, dr[0.190,0.390], df[0.324,0.194], g[3.374,0.236]
1/1 [=====] - 0s 105ms/step
>1068, dr[0.197,0.643], df[0.107,0.298], g[2.966,0.255]
1/1 [=====] - 0s 84ms/step
>1069, dr[0.349,0.282], df[0.353,0.151], g[2.293,0.397]
1/1 [=====] - 0s 85ms/step
>1070, dr[0.249,0.879], df[0.135,0.192], g[2.504,0.084]
1/1 [=====] - 0s 161ms/step
>1071, dr[0.176,0.844], df[0.297,0.113], g[2.797,0.223]
1/1 [=====] - 0s 77ms/step
>1072, dr[0.194,1.148], df[0.086,0.194], g[2.437,0.303]
1/1 [=====] - 0s 77ms/step
>1073, dr[0.137,0.499], df[0.110,0.132], g[2.401,0.133]
1/1 [=====] - 0s 82ms/step
>1074, dr[0.117,0.326], df[0.329,0.067], g[3.091,0.129]
1/1 [=====] - 0s 107ms/step
>1075, dr[0.351,0.457], df[0.199,0.090], g[2.937,0.345]
1/1 [=====] - 0s 96ms/step
>1076, dr[0.324,0.534], df[0.182,0.180], g[2.234,0.139]
1/1 [=====] - 0s 81ms/step
>1077, dr[0.155,0.607], df[0.637,0.088], g[2.921,0.134]
1/1 [=====] - 0s 81ms/step
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>1078, dr[0.396,0.574], df[0.243,0.274], g[2.640,0.297]
1/1 [=====] - 0s 78ms/step
>1079, dr[0.239,0.424], df[0.249,0.381], g[2.417,0.260]
1/1 [=====] - 0s 77ms/step
>1080, dr[0.137,0.543], df[0.268,0.086], g[3.561,0.159]
1/1 [=====] - 0s 86ms/step
>1081, dr[0.295,0.743], df[0.181,0.148], g[2.752,0.103]
1/1 [=====] - 0s 90ms/step
>1082, dr[0.530,0.793], df[0.352,0.252], g[1.930,0.324]
1/1 [=====] - 0s 78ms/step
>1083, dr[0.190,0.692], df[0.557,0.134], g[3.640,0.201]
1/1 [=====] - 0s 73ms/step
>1084, dr[0.199,0.521], df[0.086,0.172], g[3.915,0.209]
1/1 [=====] - 0s 97ms/step
>1085, dr[0.476,0.308], df[0.202,0.207], g[2.347,0.177]
1/1 [=====] - 0s 72ms/step
>1086, dr[0.126,0.916], df[0.266,0.100], g[2.941,0.126]
1/1 [=====] - 0s 84ms/step
>1087, dr[0.363,0.728], df[0.236,0.239], g[2.429,0.233]
1/1 [=====] - 0s 75ms/step
>1088, dr[0.063,0.346], df[0.291,0.258], g[3.439,0.181]
1/1 [=====] - 0s 83ms/step
>1089, dr[0.431,0.795], df[0.131,0.081], g[1.748,0.369]
1/1 [=====] - 0s 76ms/step
>1090, dr[0.145,0.458], df[0.214,0.309], g[2.277,0.141]
1/1 [=====] - 0s 89ms/step
>1091, dr[0.196,1.304], df[0.132,0.203], g[2.665,0.189]
1/1 [=====] - 0s 76ms/step
>1092, dr[0.390,0.608], df[0.260,0.224], g[1.992,0.251]
1/1 [=====] - 0s 71ms/step
>1093, dr[0.081,0.812], df[0.379,0.150], g[3.553,0.164]
1/1 [=====] - 0s 79ms/step
>1094, dr[0.379,0.515], df[0.314,0.279], g[3.685,0.112]
1/1 [=====] - 0s 87ms/step
>1095, dr[0.222,0.723], df[0.116,0.105], g[2.712,0.112]
1/1 [=====] - 0s 71ms/step
>1096, dr[0.242,0.937], df[0.311,0.223], g[3.328,0.217]
1/1 [=====] - 0s 145ms/step
>1097, dr[0.209,0.623], df[0.320,0.389], g[3.256,0.165]
1/1 [=====] - 0s 72ms/step
>1098, dr[0.251,0.288], df[0.209,0.099], g[3.042,0.183]
1/1 [=====] - 0s 90ms/step
>1099, dr[0.287,0.674], df[0.134,0.144], g[2.201,0.185]
1/1 [=====] - 0s 80ms/step
>1100, dr[0.098,0.923], df[0.354,0.223], g[3.410,0.291]
1/1 [=====] - 0s 77ms/step
>1101, dr[0.174,0.385], df[0.090,0.072], g[3.988,0.154]
1/1 [=====] - 0s 74ms/step
>1102, dr[0.103,0.687], df[0.043,0.092], g[3.694,0.175]
1/1 [=====] - 0s 74ms/step
>1103, dr[0.332,0.682], df[0.239,0.230], g[1.886,0.196]
1/1 [=====] - 0s 85ms/step
>1104, dr[0.176,0.653], df[0.738,0.400], g[3.473,0.141]
1/1 [=====] - 0s 78ms/step
>1105, dr[0.451,1.157], df[0.146,0.268], g[3.353,0.134]
1/1 [=====] - 0s 90ms/step
>1106, dr[0.312,0.922], df[0.375,0.226], g[3.341,0.152]
1/1 [=====] - 0s 75ms/step
>1107, dr[0.296,0.531], df[0.348,0.131], g[3.802,0.209]
1/1 [=====] - 0s 80ms/step
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>1108, dr[0.271,1.355], df[0.154,0.169], g[3.344,0.135]
1/1 [=====] - 0s 77ms/step
>1109, dr[0.166,0.861], df[0.241,0.083], g[3.231,0.175]
1/1 [=====] - 0s 74ms/step
>1110, dr[0.228,0.800], df[0.175,0.153], g[3.441,0.239]
1/1 [=====] - 0s 89ms/step
>1111, dr[0.169,0.483], df[0.177,0.184], g[2.756,0.156]
1/1 [=====] - 0s 81ms/step
>1112, dr[0.301,0.722], df[0.219,0.196], g[2.652,0.211]
1/1 [=====] - 0s 98ms/step
>1113, dr[0.058,0.442], df[0.168,0.197], g[2.584,0.401]
1/1 [=====] - 0s 94ms/step
>1114, dr[0.287,0.769], df[0.164,0.275], g[2.741,0.171]
1/1 [=====] - 0s 78ms/step
>1115, dr[0.153,0.468], df[0.186,0.143], g[3.522,0.229]
1/1 [=====] - 0s 117ms/step
>1116, dr[0.109,0.469], df[0.193,0.064], g[4.026,0.175]
1/1 [=====] - 0s 140ms/step
>1117, dr[0.212,0.457], df[0.121,0.168], g[3.301,0.158]
1/1 [=====] - 0s 108ms/step
>1118, dr[0.155,0.601], df[0.149,0.078], g[3.485,0.111]
1/1 [=====] - 0s 97ms/step
>1119, dr[0.210,0.234], df[0.323,0.128], g[3.804,0.283]
1/1 [=====] - 0s 88ms/step
>1120, dr[0.058,0.373], df[0.045,0.270], g[3.883,0.161]
1/1 [=====] - 0s 98ms/step
>1121, dr[0.328,0.458], df[0.086,0.032], g[2.458,0.286]
1/1 [=====] - 0s 79ms/step
>1122, dr[0.086,1.214], df[0.391,0.071], g[3.258,0.163]
1/1 [=====] - 0s 108ms/step
>1123, dr[0.208,0.445], df[0.117,0.072], g[3.614,0.126]
1/1 [=====] - 0s 159ms/step
>1124, dr[0.164,0.455], df[0.143,0.049], g[3.083,0.118]
1/1 [=====] - 0s 99ms/step
>1125, dr[0.146,0.636], df[0.177,0.090], g[2.892,0.149]
1/1 [=====] - 0s 82ms/step
>1126, dr[0.168,0.674], df[0.164,0.122], g[3.086,0.197]
1/1 [=====] - 0s 93ms/step
>1127, dr[0.083,0.688], df[0.162,0.062], g[3.187,0.143]
1/1 [=====] - 0s 81ms/step
>1128, dr[0.241,1.320], df[0.255,0.084], g[3.292,0.122]
1/1 [=====] - 0s 84ms/step
>1129, dr[0.110,0.834], df[0.165,0.117], g[4.461,0.312]
1/1 [=====] - 0s 94ms/step
>1130, dr[0.282,0.539], df[0.191,0.194], g[4.287,0.145]
1/1 [=====] - 0s 184ms/step
>1131, dr[0.150,0.777], df[0.111,0.120], g[2.894,0.133]
1/1 [=====] - 0s 99ms/step
>1132, dr[0.353,0.518], df[0.263,0.113], g[2.864,0.232]
1/1 [=====] - 0s 107ms/step
>1133, dr[0.181,0.607], df[0.175,0.074], g[2.771,0.172]
1/1 [=====] - 0s 76ms/step
>1134, dr[0.070,0.509], df[0.182,0.114], g[3.661,0.152]
1/1 [=====] - 0s 82ms/step
>1135, dr[0.196,0.837], df[0.105,0.289], g[3.103,0.248]
1/1 [=====] - 0s 80ms/step
>1136, dr[0.151,0.841], df[0.489,0.164], g[3.847,0.173]
1/1 [=====] - 0s 78ms/step
>1137, dr[0.559,0.790], df[0.396,0.124], g[3.389,0.214]
1/1 [=====] - 0s 80ms/step
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>1138, dr[0.282,0.612], df[0.131,0.219], g[3.435,0.132]
1/1 [=====] - 0s 73ms/step
>1139, dr[0.116,0.669], df[0.221,0.284], g[3.366,0.305]
1/1 [=====] - 0s 71ms/step
>1140, dr[0.117,0.739], df[0.067,0.261], g[3.436,0.271]
1/1 [=====] - 0s 81ms/step
>1141, dr[0.097,0.450], df[0.302,0.104], g[3.686,0.173]
1/1 [=====] - 0s 76ms/step
>1142, dr[0.149,0.470], df[0.058,0.288], g[3.259,0.162]
1/1 [=====] - 0s 80ms/step
>1143, dr[0.134,0.316], df[0.143,0.165], g[3.186,0.315]
1/1 [=====] - 0s 82ms/step
>1144, dr[0.127,0.656], df[0.276,0.273], g[3.587,0.212]
1/1 [=====] - 0s 74ms/step
>1145, dr[0.291,1.180], df[0.384,0.117], g[3.117,0.238]
1/1 [=====] - 0s 69ms/step
>1146, dr[0.495,0.965], df[0.205,0.061], g[2.057,0.165]
1/1 [=====] - 0s 71ms/step
>1147, dr[0.089,0.718], df[0.673,0.174], g[4.322,0.197]
1/1 [=====] - 0s 80ms/step
>1148, dr[0.271,0.318], df[0.042,0.076], g[3.737,0.154]
1/1 [=====] - 0s 80ms/step
>1149, dr[0.281,1.092], df[0.223,0.076], g[3.242,0.228]
1/1 [=====] - 0s 87ms/step
>1150, dr[0.144,0.614], df[0.117,0.312], g[2.606,0.163]
1/1 [=====] - 0s 105ms/step
>1151, dr[0.088,0.529], df[0.121,0.049], g[2.545,0.193]
1/1 [=====] - 0s 84ms/step
>1152, dr[0.106,0.894], df[0.181,0.038], g[3.747,0.159]
1/1 [=====] - 0s 91ms/step
>1153, dr[0.321,0.926], df[0.207,0.049], g[2.713,0.081]
1/1 [=====] - 0s 69ms/step
>1154, dr[0.123,0.391], df[0.144,0.062], g[3.163,0.165]
1/1 [=====] - 0s 80ms/step
>1155, dr[0.319,0.981], df[0.462,0.063], g[2.374,0.188]
1/1 [=====] - 0s 79ms/step
>1156, dr[0.120,0.799], df[0.272,0.095], g[3.212,0.079]
1/1 [=====] - 0s 77ms/step
>1157, dr[0.536,0.634], df[0.119,0.081], g[2.390,0.223]
1/1 [=====] - 0s 78ms/step
>1158, dr[0.152,0.584], df[0.237,0.201], g[2.741,0.309]
1/1 [=====] - 0s 76ms/step
>1159, dr[0.324,0.439], df[0.357,0.335], g[3.386,0.205]
1/1 [=====] - 0s 87ms/step
>1160, dr[0.252,0.589], df[0.220,0.153], g[3.930,0.212]
1/1 [=====] - 0s 74ms/step
>1161, dr[0.260,0.407], df[0.171,0.297], g[3.563,0.132]
1/1 [=====] - 0s 78ms/step
>1162, dr[0.175,0.535], df[0.108,0.079], g[3.288,0.223]
1/1 [=====] - 0s 75ms/step
>1163, dr[0.148,1.119], df[0.466,0.265], g[4.395,0.144]
1/1 [=====] - 0s 75ms/step
>1164, dr[0.281,0.841], df[0.089,0.152], g[3.151,0.121]
1/1 [=====] - 0s 98ms/step
>1165, dr[0.256,0.980], df[0.174,0.162], g[3.134,0.182]
1/1 [=====] - 0s 96ms/step
>1166, dr[0.030,0.743], df[0.118,0.273], g[3.610,0.156]
1/1 [=====] - 0s 76ms/step
>1167, dr[0.052,0.355], df[0.068,0.113], g[3.532,0.157]
1/1 [=====] - 0s 72ms/step
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>1168, dr[0.168,0.415], df[0.097,0.057], g[3.054,0.198]
1/1 [=====] - 0s 83ms/step
>1169, dr[0.113,0.323], df[0.191,0.159], g[3.712,0.136]
1/1 [=====] - 0s 84ms/step
>1170, dr[0.233,0.377], df[0.140,0.074], g[3.669,0.100]
1/1 [=====] - 0s 88ms/step
>1171, dr[0.226,0.552], df[0.139,0.202], g[2.286,0.302]
1/1 [=====] - 0s 117ms/step
>1172, dr[0.157,0.667], df[0.425,0.170], g[2.993,0.221]
1/1 [=====] - 0s 92ms/step
>1173, dr[0.095,0.878], df[0.148,0.244], g[3.792,0.261]
1/1 [=====] - 0s 98ms/step
>1174, dr[0.271,0.492], df[0.096,0.113], g[3.163,0.202]
1/1 [=====] - 0s 82ms/step
>1175, dr[0.300,0.462], df[0.424,0.183], g[2.690,0.144]
1/1 [=====] - 0s 84ms/step
>1176, dr[0.094,0.617], df[0.079,0.143], g[3.017,0.159]
1/1 [=====] - 0s 95ms/step
>1177, dr[0.164,0.887], df[0.122,0.274], g[3.010,0.244]
1/1 [=====] - 0s 87ms/step
>1178, dr[0.347,0.510], df[0.245,0.134], g[2.628,0.174]
1/1 [=====] - 0s 93ms/step
>1179, dr[0.050,0.986], df[0.276,0.217], g[3.790,0.200]
1/1 [=====] - 0s 85ms/step
>1180, dr[0.191,0.405], df[0.129,0.219], g[3.871,0.153]
1/1 [=====] - 0s 90ms/step
>1181, dr[0.349,0.516], df[0.298,0.152], g[2.495,0.189]
1/1 [=====] - 0s 89ms/step
>1182, dr[0.187,0.367], df[0.289,0.060], g[3.357,0.142]
1/1 [=====] - 0s 84ms/step
>1183, dr[0.171,0.348], df[0.192,0.103], g[4.152,0.320]
1/1 [=====] - 0s 80ms/step
>1184, dr[0.197,0.357], df[0.180,0.377], g[3.610,0.187]
1/1 [=====] - 0s 83ms/step
>1185, dr[0.139,0.604], df[0.224,0.132], g[3.894,0.199]
1/1 [=====] - 0s 73ms/step
>1186, dr[0.341,0.776], df[0.318,0.125], g[3.488,0.113]
1/1 [=====] - 0s 86ms/step
>1187, dr[0.548,0.338], df[0.726,0.063], g[3.335,0.165]
1/1 [=====] - 0s 80ms/step
>1188, dr[0.309,0.686], df[0.263,0.172], g[3.835,0.175]
1/1 [=====] - 0s 79ms/step
>1189, dr[0.269,0.687], df[0.161,0.203], g[3.091,0.097]
1/1 [=====] - 0s 99ms/step
>1190, dr[0.172,0.760], df[0.270,0.256], g[3.249,0.168]
1/1 [=====] - 0s 79ms/step
>1191, dr[0.311,0.772], df[0.194,0.414], g[2.115,0.247]
1/1 [=====] - 0s 83ms/step
>1192, dr[0.190,0.470], df[0.381,0.412], g[2.627,0.228]
1/1 [=====] - 0s 84ms/step
>1193, dr[0.172,1.198], df[0.376,0.232], g[4.432,0.144]
1/1 [=====] - 0s 86ms/step
>1194, dr[0.475,0.776], df[0.088,0.174], g[2.413,0.146]
1/1 [=====] - 0s 76ms/step
>1195, dr[0.157,0.700], df[0.390,0.465], g[2.492,0.274]
1/1 [=====] - 0s 75ms/step
>1196, dr[0.064,0.886], df[0.096,0.234], g[4.032,0.296]
1/1 [=====] - 0s 78ms/step
>1197, dr[0.513,0.726], df[0.433,0.118], g[2.811,0.236]
1/1 [=====] - 0s 74ms/step
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>1198, dr[0.289,0.563], df[0.366,0.153], g[3.214,0.231]
1/1 [=====] - 0s 80ms/step
>1199, dr[0.173,0.596], df[0.170,0.161], g[3.796,0.280]
1/1 [=====] - 0s 74ms/step
>1200, dr[0.197,0.300], df[0.201,0.151], g[4.749,0.116]
1/1 [=====] - 0s 72ms/step
>1201, dr[0.125,0.468], df[0.139,0.213], g[3.792,0.145]
1/1 [=====] - 0s 82ms/step
>1202, dr[0.329,0.199], df[0.122,0.235], g[3.124,0.180]
1/1 [=====] - 0s 80ms/step
>1203, dr[0.140,1.103], df[0.241,0.252], g[3.451,0.097]
1/1 [=====] - 0s 83ms/step
>1204, dr[0.149,0.962], df[0.137,0.238], g[3.464,0.108]
1/1 [=====] - 0s 74ms/step
>1205, dr[0.175,0.264], df[0.233,0.066], g[3.762,0.097]
1/1 [=====] - 0s 79ms/step
>1206, dr[0.160,1.041], df[0.192,0.284], g[3.397,0.159]
1/1 [=====] - 0s 77ms/step
>1207, dr[0.258,0.762], df[0.122,0.156], g[3.132,0.138]
1/1 [=====] - 0s 74ms/step
>1208, dr[0.057,0.280], df[0.370,0.250], g[4.120,0.132]
1/1 [=====] - 0s 75ms/step
>1209, dr[0.553,0.435], df[0.342,0.133], g[2.843,0.227]
1/1 [=====] - 0s 76ms/step
>1210, dr[0.375,0.172], df[0.251,0.185], g[2.293,0.129]
1/1 [=====] - 0s 75ms/step
>1211, dr[0.170,0.437], df[0.168,0.129], g[3.594,0.148]
1/1 [=====] - 0s 74ms/step
>1212, dr[0.081,0.606], df[0.216,0.125], g[2.931,0.224]
1/1 [=====] - 0s 72ms/step
>1213, dr[0.189,0.610], df[0.257,0.188], g[3.459,0.118]
1/1 [=====] - 0s 72ms/step
>1214, dr[0.152,0.588], df[0.163,0.159], g[3.226,0.309]
1/1 [=====] - 0s 72ms/step
>1215, dr[0.474,1.309], df[0.423,0.151], g[2.655,0.135]
1/1 [=====] - 0s 82ms/step
>1216, dr[0.243,0.354], df[0.166,0.110], g[2.427,0.205]
1/1 [=====] - 0s 75ms/step
>1217, dr[0.244,1.093], df[0.236,0.159], g[3.074,0.174]
1/1 [=====] - 0s 74ms/step
>1218, dr[0.092,0.641], df[0.157,0.273], g[3.612,0.146]
1/1 [=====] - 0s 73ms/step
>1219, dr[0.266,0.692], df[0.267,0.172], g[3.730,0.228]
1/1 [=====] - 0s 83ms/step
>1220, dr[0.093,0.503], df[0.079,0.192], g[3.391,0.239]
1/1 [=====] - 0s 72ms/step
>1221, dr[0.158,0.561], df[0.197,0.247], g[3.567,0.130]
1/1 [=====] - 0s 70ms/step
>1222, dr[0.233,0.458], df[0.180,0.249], g[3.323,0.109]
1/1 [=====] - 0s 68ms/step
>1223, dr[0.218,0.751], df[0.493,0.157], g[4.124,0.144]
1/1 [=====] - 0s 73ms/step
>1224, dr[0.262,0.893], df[0.195,0.119], g[3.595,0.117]
1/1 [=====] - 0s 75ms/step
>1225, dr[0.448,1.012], df[0.522,0.143], g[3.354,0.192]
1/1 [=====] - 0s 70ms/step
>1226, dr[0.257,0.691], df[0.156,0.162], g[2.869,0.119]
1/1 [=====] - 0s 73ms/step
>1227, dr[0.182,0.887], df[0.569,0.310], g[4.020,0.299]
1/1 [=====] - 0s 69ms/step
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>1228, dr[0.618,0.653], df[0.177,0.056], g[3.259,0.076]
1/1 [=====] - 0s 78ms/step
>1229, dr[0.373,0.527], df[0.533,0.205], g[2.202,0.175]
1/1 [=====] - 0s 71ms/step
>1230, dr[0.165,0.419], df[0.414,0.074], g[4.822,0.077]
1/1 [=====] - 0s 80ms/step
>1231, dr[0.385,0.694], df[0.149,0.107], g[3.223,0.281]
1/1 [=====] - 0s 70ms/step
>1232, dr[0.823,0.478], df[0.802,0.329], g[2.109,0.095]
1/1 [=====] - 0s 83ms/step
>1233, dr[0.121,0.835], df[0.277,0.065], g[3.035,0.143]
1/1 [=====] - 0s 70ms/step
>1234, dr[0.456,0.515], df[0.392,0.176], g[3.146,0.177]
1/1 [=====] - 0s 73ms/step
>1235, dr[0.295,0.668], df[0.202,0.151], g[2.826,0.082]
1/1 [=====] - 0s 80ms/step
>1236, dr[0.244,0.591], df[0.181,0.134], g[2.828,0.174]
1/1 [=====] - 0s 71ms/step
>1237, dr[0.091,0.377], df[0.345,0.091], g[3.521,0.134]
1/1 [=====] - 0s 79ms/step
>1238, dr[0.295,0.954], df[0.071,0.167], g[2.943,0.195]
1/1 [=====] - 0s 73ms/step
>1239, dr[0.390,0.663], df[0.327,0.266], g[2.047,0.284]
1/1 [=====] - 0s 74ms/step
>1240, dr[0.131,0.533], df[0.428,0.160], g[3.343,0.085]
1/1 [=====] - 0s 81ms/step
>1241, dr[0.581,0.632], df[0.280,0.208], g[2.856,0.105]
1/1 [=====] - 0s 79ms/step
>1242, dr[0.395,1.030], df[0.393,0.142], g[2.873,0.200]
1/1 [=====] - 0s 90ms/step
>1243, dr[0.070,0.873], df[0.158,0.152], g[3.402,0.358]
1/1 [=====] - 0s 72ms/step
>1244, dr[0.400,0.351], df[0.259,0.239], g[2.671,0.126]
1/1 [=====] - 0s 68ms/step
>1245, dr[0.075,0.594], df[0.215,0.174], g[3.003,0.273]
1/1 [=====] - 0s 69ms/step
>1246, dr[0.175,0.414], df[0.289,0.030], g[2.952,0.330]
1/1 [=====] - 0s 68ms/step
>1247, dr[0.308,1.011], df[0.492,0.298], g[3.388,0.208]
1/1 [=====] - 0s 73ms/step
>1248, dr[0.392,0.740], df[0.223,0.255], g[3.221,0.041]
1/1 [=====] - 0s 68ms/step
>1249, dr[0.265,0.500], df[0.441,0.150], g[3.720,0.173]
1/1 [=====] - 0s 77ms/step
>1250, dr[0.380,1.040], df[0.265,0.301], g[3.128,0.173]
1/1 [=====] - 0s 69ms/step
>1251, dr[0.135,0.716], df[0.183,0.167], g[3.080,0.215]
1/1 [=====] - 0s 74ms/step
>1252, dr[0.263,1.230], df[0.364,0.148], g[3.791,0.319]
1/1 [=====] - 0s 69ms/step
>1253, dr[0.855,1.494], df[1.145,0.277], g[3.798,0.201]
1/1 [=====] - 0s 74ms/step
>1254, dr[0.913,0.643], df[0.155,0.297], g[2.521,0.470]
1/1 [=====] - 0s 74ms/step
>1255, dr[0.140,0.770], df[0.561,0.179], g[3.354,0.196]
1/1 [=====] - 0s 75ms/step
>1256, dr[0.339,0.256], df[0.098,0.224], g[2.813,0.343]
1/1 [=====] - 0s 68ms/step
>1257, dr[0.125,0.478], df[0.114,0.151], g[2.766,0.171]
1/1 [=====] - 0s 69ms/step
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>1258, dr[0.085,0.659], df[0.263,0.090], g[2.634,0.267]
1/1 [=====] - 0s 68ms/step
>1259, dr[0.429,0.501], df[0.402,0.099], g[2.340,0.206]
1/1 [=====] - 0s 72ms/step
>1260, dr[0.259,0.787], df[0.477,0.089], g[2.861,0.149]
1/1 [=====] - 0s 74ms/step
>1261, dr[0.259,0.840], df[0.169,0.056], g[3.128,0.162]
1/1 [=====] - 0s 77ms/step
>1262, dr[0.396,0.764], df[0.313,0.111], g[2.569,0.188]
1/1 [=====] - 0s 76ms/step
>1263, dr[0.212,0.543], df[0.712,0.150], g[3.662,0.187]
1/1 [=====] - 0s 70ms/step
>1264, dr[0.381,0.985], df[0.117,0.108], g[3.787,0.178]
1/1 [=====] - 0s 75ms/step
>1265, dr[0.726,0.277], df[0.375,0.300], g[1.785,0.155]
1/1 [=====] - 0s 68ms/step
>1266, dr[0.122,0.618], df[0.415,0.200], g[3.092,0.216]
1/1 [=====] - 0s 73ms/step
>1267, dr[0.328,0.453], df[0.206,0.204], g[2.438,0.150]
1/1 [=====] - 0s 71ms/step
>1268, dr[0.250,0.496], df[0.474,0.117], g[3.071,0.182]
1/1 [=====] - 0s 72ms/step
>1269, dr[0.456,1.200], df[0.283,0.248], g[2.091,0.234]
1/1 [=====] - 0s 68ms/step
>1270, dr[0.213,0.657], df[0.211,0.072], g[3.070,0.361]
1/1 [=====] - 0s 80ms/step
>1271, dr[0.269,0.558], df[0.399,0.308], g[3.103,0.252]
1/1 [=====] - 0s 78ms/step
>1272, dr[0.211,0.669], df[0.273,0.163], g[3.432,0.183]
1/1 [=====] - 0s 73ms/step
>1273, dr[0.371,1.035], df[0.110,0.164], g[1.845,0.208]
1/1 [=====] - 0s 77ms/step
>1274, dr[0.098,0.562], df[0.318,0.225], g[2.614,0.186]
1/1 [=====] - 0s 73ms/step
>1275, dr[0.579,0.748], df[0.656,0.177], g[2.517,0.123]
1/1 [=====] - 0s 73ms/step
>1276, dr[0.213,0.413], df[0.208,0.149], g[4.257,0.257]
1/1 [=====] - 0s 68ms/step
>1277, dr[0.754,0.878], df[0.155,0.055], g[2.303,0.185]
1/1 [=====] - 0s 70ms/step
>1278, dr[0.182,0.580], df[0.785,0.317], g[2.541,0.218]
1/1 [=====] - 0s 72ms/step
>1279, dr[0.359,0.652], df[0.270,0.080], g[3.565,0.071]
1/1 [=====] - 0s 71ms/step
>1280, dr[0.185,0.876], df[0.141,0.308], g[3.125,0.136]
1/1 [=====] - 0s 73ms/step
>1281, dr[0.258,1.008], df[0.351,0.135], g[2.315,0.241]
1/1 [=====] - 0s 70ms/step
>1282, dr[0.150,0.463], df[0.205,0.268], g[2.649,0.132]
1/1 [=====] - 0s 78ms/step
>1283, dr[0.501,0.709], df[0.564,0.368], g[2.673,0.203]
1/1 [=====] - 0s 76ms/step
>1284, dr[0.455,0.505], df[0.342,0.218], g[3.202,0.174]
1/1 [=====] - 0s 75ms/step
>1285, dr[0.376,0.574], df[0.229,0.270], g[2.699,0.178]
1/1 [=====] - 0s 72ms/step
>1286, dr[0.187,0.715], df[0.345,0.249], g[3.061,0.138]
1/1 [=====] - 0s 72ms/step
>1287, dr[0.208,0.343], df[0.080,0.144], g[2.344,0.315]
1/1 [=====] - 0s 70ms/step
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>1288, dr[0.357,0.727], df[0.183,0.206], g[2.781,0.215]
1/1 [=====] - 0s 71ms/step
>1289, dr[0.300,0.409], df[0.321,0.069], g[2.426,0.147]
1/1 [=====] - 0s 74ms/step
>1290, dr[0.310,0.626], df[0.611,0.159], g[2.546,0.149]
1/1 [=====] - 0s 68ms/step
>1291, dr[0.220,0.514], df[0.077,0.283], g[2.602,0.148]
1/1 [=====] - 0s 78ms/step
>1292, dr[0.292,0.833], df[0.399,0.294], g[2.890,0.326]
1/1 [=====] - 0s 70ms/step
>1293, dr[0.242,0.436], df[0.263,0.328], g[3.416,0.195]
1/1 [=====] - 0s 76ms/step
>1294, dr[0.453,0.884], df[0.239,0.084], g[2.193,0.185]
1/1 [=====] - 0s 71ms/step
>1295, dr[0.142,0.457], df[0.329,0.115], g[2.276,0.236]
1/1 [=====] - 0s 76ms/step
>1296, dr[0.258,0.379], df[0.754,0.130], g[3.652,0.187]
1/1 [=====] - 0s 70ms/step
>1297, dr[0.617,0.363], df[0.079,0.122], g[2.699,0.160]
1/1 [=====] - 0s 71ms/step
>1298, dr[0.505,0.779], df[0.331,0.161], g[1.749,0.422]
1/1 [=====] - 0s 80ms/step
>1299, dr[0.164,0.696], df[0.330,0.166], g[3.076,0.303]
1/1 [=====] - 0s 69ms/step
>1300, dr[0.510,0.980], df[0.540,0.071], g[3.098,0.193]
1/1 [=====] - 0s 88ms/step
>1301, dr[0.804,1.312], df[0.629,0.057], g[2.907,0.290]
1/1 [=====] - 0s 82ms/step
>1302, dr[0.305,0.773], df[0.345,0.567], g[3.271,0.195]
1/1 [=====] - 0s 79ms/step
>1303, dr[0.344,0.611], df[0.573,0.255], g[4.313,0.194]
1/1 [=====] - 0s 73ms/step
>1304, dr[0.399,0.632], df[0.166,0.196], g[3.324,0.192]
1/1 [=====] - 0s 82ms/step
>1305, dr[0.387,0.364], df[0.287,0.137], g[2.545,0.197]
1/1 [=====] - 0s 82ms/step
>1306, dr[0.215,0.736], df[0.511,0.335], g[3.809,0.208]
1/1 [=====] - 0s 73ms/step
>1307, dr[0.292,0.889], df[0.147,0.098], g[3.211,0.155]
1/1 [=====] - 0s 78ms/step
>1308, dr[0.352,0.254], df[0.348,0.125], g[2.406,0.252]
1/1 [=====] - 0s 83ms/step
>1309, dr[0.201,0.302], df[0.277,0.207], g[3.679,0.160]
1/1 [=====] - 0s 78ms/step
>1310, dr[0.364,0.553], df[0.234,0.272], g[3.257,0.107]
1/1 [=====] - 0s 77ms/step
>1311, dr[0.364,1.045], df[0.281,0.126], g[2.813,0.137]
1/1 [=====] - 0s 85ms/step
>1312, dr[0.192,0.764], df[0.237,0.251], g[2.373,0.225]
1/1 [=====] - 0s 77ms/step
>1313, dr[0.137,0.655], df[0.150,0.203], g[2.664,0.132]
1/1 [=====] - 0s 82ms/step
>1314, dr[0.210,0.554], df[0.130,0.104], g[2.829,0.152]
1/1 [=====] - 0s 73ms/step
>1315, dr[0.128,0.581], df[0.119,0.053], g[3.105,0.250]
1/1 [=====] - 0s 80ms/step
>1316, dr[0.123,0.393], df[0.284,0.135], g[2.882,0.135]
1/1 [=====] - 0s 78ms/step
>1317, dr[0.401,0.581], df[0.176,0.173], g[2.330,0.191]
1/1 [=====] - 0s 76ms/step
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>1318, dr[0.122,0.442], df[0.235,0.095], g[2.490,0.132]
1/1 [=====] - 0s 72ms/step
>1319, dr[0.403,0.490], df[0.301,0.166], g[2.119,0.194]
1/1 [=====] - 0s 74ms/step
>1320, dr[0.177,0.693], df[0.336,0.062], g[2.851,0.248]
1/1 [=====] - 0s 80ms/step
>1321, dr[0.283,0.467], df[0.209,0.234], g[2.389,0.115]
1/1 [=====] - 0s 74ms/step
>1322, dr[0.414,0.885], df[0.275,0.194], g[1.512,0.407]
1/1 [=====] - 0s 81ms/step
>1323, dr[0.113,0.382], df[0.478,0.282], g[2.551,0.286]
1/1 [=====] - 0s 77ms/step
>1324, dr[0.540,0.686], df[0.849,0.149], g[3.331,0.125]
1/1 [=====] - 0s 76ms/step
>1325, dr[0.423,0.566], df[0.147,0.093], g[3.205,0.168]
1/1 [=====] - 0s 72ms/step
>1326, dr[0.204,0.564], df[0.189,0.155], g[2.628,0.218]
1/1 [=====] - 0s 73ms/step
>1327, dr[0.234,0.647], df[0.154,0.218], g[2.614,0.271]
1/1 [=====] - 0s 77ms/step
>1328, dr[0.266,0.367], df[0.138,0.078], g[2.213,0.257]
1/1 [=====] - 0s 75ms/step
>1329, dr[0.130,0.819], df[0.394,0.182], g[2.522,0.195]
1/1 [=====] - 0s 82ms/step
>1330, dr[0.375,0.514], df[0.326,0.251], g[3.193,0.184]
1/1 [=====] - 0s 79ms/step
>1331, dr[0.175,0.552], df[0.163,0.128], g[3.695,0.156]
1/1 [=====] - 0s 76ms/step
>1332, dr[0.181,0.485], df[0.091,0.085], g[2.669,0.234]
1/1 [=====] - 0s 80ms/step
>1333, dr[0.471,0.956], df[0.675,0.114], g[2.592,0.133]
1/1 [=====] - 0s 91ms/step
>1334, dr[0.202,0.561], df[0.228,0.113], g[3.155,0.255]
1/1 [=====] - 0s 76ms/step
>1335, dr[0.283,0.616], df[0.209,0.279], g[2.457,0.129]
1/1 [=====] - 0s 81ms/step
>1336, dr[0.422,0.452], df[0.640,0.069], g[2.731,0.189]
1/1 [=====] - 0s 75ms/step
>1337, dr[0.299,0.504], df[0.229,0.148], g[3.432,0.467]
1/1 [=====] - 0s 82ms/step
>1338, dr[0.400,0.630], df[0.280,0.083], g[2.256,0.354]
1/1 [=====] - 0s 73ms/step
>1339, dr[0.105,0.966], df[0.332,0.407], g[1.913,0.198]
1/1 [=====] - 0s 78ms/step
>1340, dr[0.301,0.931], df[0.311,0.183], g[2.881,0.362]
1/1 [=====] - 0s 78ms/step
>1341, dr[0.310,0.486], df[0.352,0.099], g[3.268,0.149]
1/1 [=====] - 0s 74ms/step
>1342, dr[0.345,1.082], df[0.387,0.145], g[2.809,0.204]
1/1 [=====] - 0s 83ms/step
>1343, dr[0.185,0.511], df[0.172,0.077], g[2.522,0.158]
1/1 [=====] - 0s 78ms/step
>1344, dr[0.234,0.497], df[0.213,0.283], g[2.742,0.268]
1/1 [=====] - 0s 86ms/step
>1345, dr[0.290,0.605], df[0.120,0.276], g[2.329,0.227]
1/1 [=====] - 0s 80ms/step
>1346, dr[0.108,0.729], df[0.260,0.141], g[2.988,0.391]
1/1 [=====] - 0s 77ms/step
>1347, dr[0.202,0.209], df[0.159,0.147], g[3.558,0.158]
1/1 [=====] - 0s 78ms/step
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>1348, dr[0.190,0.738], df[0.166,0.153], g[2.469,0.100]
1/1 [=====] - 0s 77ms/step
>1349, dr[0.125,0.386], df[0.129,0.180], g[3.207,0.143]
1/1 [=====] - 0s 81ms/step
>1350, dr[0.169,0.377], df[0.301,0.303], g[3.059,0.229]
1/1 [=====] - 0s 81ms/step
>1351, dr[0.448,0.917], df[0.237,0.066], g[2.238,0.050]
1/1 [=====] - 0s 81ms/step
>1352, dr[0.094,0.210], df[0.364,0.110], g[2.771,0.222]
1/1 [=====] - 0s 75ms/step
>1353, dr[0.324,0.558], df[0.227,0.387], g[3.366,0.206]
1/1 [=====] - 0s 77ms/step
>1354, dr[0.325,0.584], df[0.281,0.112], g[2.440,0.172]
1/1 [=====] - 0s 81ms/step
>1355, dr[0.138,0.346], df[0.163,0.049], g[2.787,0.197]
1/1 [=====] - 0s 84ms/step
>1356, dr[0.407,0.585], df[0.356,0.307], g[2.670,0.160]
1/1 [=====] - 0s 78ms/step
>1357, dr[0.141,0.502], df[0.181,0.061], g[2.764,0.253]
1/1 [=====] - 0s 82ms/step
>1358, dr[0.558,1.102], df[0.471,0.158], g[1.877,0.254]
1/1 [=====] - 0s 76ms/step
>1359, dr[0.334,0.516], df[0.674,0.137], g[2.734,0.164]
1/1 [=====] - 0s 82ms/step
>1360, dr[0.386,0.835], df[0.201,0.093], g[2.091,0.288]
1/1 [=====] - 0s 79ms/step
>1361, dr[0.226,0.589], df[0.361,0.298], g[2.500,0.213]
1/1 [=====] - 0s 82ms/step
>1362, dr[0.238,0.601], df[0.178,0.117], g[3.327,0.112]
1/1 [=====] - 0s 75ms/step
>1363, dr[0.434,1.050], df[0.280,0.083], g[1.475,0.196]
1/1 [=====] - 0s 76ms/step
>1364, dr[0.052,0.527], df[0.147,0.171], g[2.149,0.130]
1/1 [=====] - 0s 95ms/step
>1365, dr[0.161,1.233], df[0.228,0.101], g[2.589,0.124]
1/1 [=====] - 0s 84ms/step
>1366, dr[0.210,0.367], df[0.385,0.138], g[2.665,0.103]
1/1 [=====] - 0s 79ms/step
>1367, dr[0.083,0.575], df[0.075,0.077], g[3.596,0.136]
1/1 [=====] - 0s 76ms/step
>1368, dr[0.465,0.251], df[0.281,0.166], g[2.406,0.192]
1/1 [=====] - 0s 80ms/step
>1369, dr[0.267,1.055], df[0.225,0.242], g[2.061,0.175]
1/1 [=====] - 0s 85ms/step
>1370, dr[0.264,0.597], df[0.442,0.082], g[2.636,0.250]
1/1 [=====] - 0s 81ms/step
>1371, dr[0.231,0.858], df[0.172,0.078], g[3.169,0.174]
1/1 [=====] - 0s 79ms/step
>1372, dr[0.343,0.744], df[0.386,0.333], g[2.575,0.112]
1/1 [=====] - 0s 77ms/step
>1373, dr[0.360,0.491], df[0.245,0.197], g[2.755,0.248]
1/1 [=====] - 0s 84ms/step
>1374, dr[0.214,0.827], df[0.338,0.134], g[2.558,0.203]
1/1 [=====] - 0s 106ms/step
>1375, dr[0.132,0.522], df[0.136,0.051], g[3.019,0.244]
1/1 [=====] - 0s 87ms/step
>1376, dr[0.360,0.465], df[0.665,0.108], g[3.627,0.123]
1/1 [=====] - 0s 82ms/step
>1377, dr[0.227,0.555], df[0.114,0.131], g[3.467,0.082]
1/1 [=====] - 0s 86ms/step
```

```
>1378, dr[0.367,0.686], df[0.275,0.297], g[2.342,0.386]
1/1 [=====] - 0s 93ms/step
>1379, dr[0.163,0.474], df[0.228,0.142], g[2.547,0.274]
1/1 [=====] - 0s 82ms/step
>1380, dr[0.248,0.700], df[0.548,0.502], g[2.677,0.230]
1/1 [=====] - 0s 87ms/step
>1381, dr[0.337,0.354], df[0.125,0.056], g[3.384,0.142]
1/1 [=====] - 0s 82ms/step
>1382, dr[0.180,0.418], df[0.447,0.067], g[3.554,0.196]
1/1 [=====] - 0s 88ms/step
>1383, dr[0.530,0.494], df[0.523,0.169], g[3.091,0.104]
1/1 [=====] - 0s 83ms/step
>1384, dr[0.253,0.784], df[0.208,0.191], g[2.854,0.240]
1/1 [=====] - 0s 82ms/step
>1385, dr[0.567,0.564], df[0.822,0.486], g[3.099,0.154]
1/1 [=====] - 0s 88ms/step
>1386, dr[0.231,0.523], df[0.103,0.107], g[3.902,0.168]
1/1 [=====] - 0s 81ms/step
>1387, dr[0.458,0.473], df[0.524,0.160], g[3.222,0.152]
1/1 [=====] - 0s 87ms/step
>1388, dr[0.785,0.340], df[0.500,0.154], g[2.352,0.233]
1/1 [=====] - 0s 89ms/step
>1389, dr[0.283,0.584], df[0.538,0.359], g[3.058,0.161]
1/1 [=====] - 0s 88ms/step
>1390, dr[0.279,0.675], df[0.292,0.287], g[3.770,0.231]
1/1 [=====] - 0s 86ms/step
>1391, dr[0.467,0.678], df[0.193,0.126], g[2.547,0.241]
1/1 [=====] - 0s 84ms/step
>1392, dr[0.253,0.777], df[0.283,0.179], g[1.722,0.429]
1/1 [=====] - 0s 84ms/step
>1393, dr[0.208,0.356], df[0.497,0.142], g[3.001,0.211]
1/1 [=====] - 0s 99ms/step
>1394, dr[0.405,0.641], df[0.358,0.109], g[3.616,0.119]
1/1 [=====] - 0s 92ms/step
>1395, dr[0.888,1.074], df[1.170,0.142], g[2.460,0.226]
1/1 [=====] - 0s 94ms/step
>1396, dr[0.524,0.426], df[0.270,0.225], g[2.561,0.287]
1/1 [=====] - 0s 105ms/step
>1397, dr[0.182,0.247], df[0.263,0.235], g[2.853,0.219]
1/1 [=====] - 0s 98ms/step
>1398, dr[0.403,0.520], df[0.462,0.112], g[2.343,0.208]
1/1 [=====] - 0s 99ms/step
>1399, dr[0.284,0.506], df[0.240,0.172], g[2.278,0.352]
1/1 [=====] - 0s 88ms/step
>1400, dr[0.171,0.399], df[0.383,0.140], g[3.446,0.174]
1/1 [=====] - 0s 91ms/step
>1401, dr[0.562,0.634], df[0.222,0.133], g[2.427,0.105]
1/1 [=====] - 0s 87ms/step
>1402, dr[0.325,0.772], df[0.595,0.107], g[3.043,0.186]
1/1 [=====] - 0s 89ms/step
>1403, dr[0.310,0.276], df[0.186,0.305], g[2.702,0.261]
1/1 [=====] - 0s 89ms/step
>1404, dr[0.447,0.432], df[0.477,0.205], g[2.276,0.281]
1/1 [=====] - 0s 90ms/step
>1405, dr[0.192,0.654], df[0.449,0.445], g[3.170,0.217]
1/1 [=====] - 0s 87ms/step
>1406, dr[0.436,0.740], df[0.323,0.380], g[3.153,0.258]
1/1 [=====] - 0s 93ms/step
>1407, dr[0.355,0.761], df[0.161,0.173], g[2.737,0.143]
1/1 [=====] - 0s 85ms/step
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```
>1408, dr[0.211,0.446], df[0.331,0.201], g[2.543,0.233]
1/1 [=====] - 0s 87ms/step
>1409, dr[0.427,0.724], df[0.311,0.246], g[1.945,0.630]
1/1 [=====] - 0s 88ms/step
>1410, dr[0.250,0.602], df[0.534,0.364], g[3.059,0.107]
1/1 [=====] - 0s 82ms/step
>1411, dr[0.471,0.615], df[0.261,0.257], g[3.080,0.206]
1/1 [=====] - 0s 93ms/step
>1412, dr[0.263,0.583], df[0.230,0.206], g[2.626,0.458]
1/1 [=====] - 0s 87ms/step
>1413, dr[0.421,0.777], df[0.372,0.126], g[2.436,0.153]
1/1 [=====] - 0s 84ms/step
>1414, dr[0.118,0.641], df[0.123,0.106], g[3.071,0.143]
1/1 [=====] - 0s 85ms/step
>1415, dr[0.396,0.156], df[0.181,0.164], g[2.382,0.125]
1/1 [=====] - 0s 90ms/step
>1416, dr[0.118,0.442], df[0.353,0.208], g[2.317,0.265]
1/1 [=====] - 0s 82ms/step
>1417, dr[0.225,0.530], df[0.385,0.183], g[3.205,0.238]
1/1 [=====] - 0s 87ms/step
>1418, dr[0.620,0.833], df[0.388,0.085], g[2.487,0.337]
1/1 [=====] - 0s 83ms/step
>1419, dr[0.327,0.522], df[1.004,0.120], g[3.920,0.141]
1/1 [=====] - 0s 89ms/step
>1420, dr[0.392,0.438], df[0.159,0.082], g[3.196,0.323]
1/1 [=====] - 0s 89ms/step
>1421, dr[0.640,0.925], df[0.150,0.467], g[2.003,0.377]
1/1 [=====] - 0s 88ms/step
>1422, dr[0.253,0.632], df[0.673,0.325], g[2.292,0.251]
1/1 [=====] - 0s 86ms/step
>1423, dr[0.212,0.423], df[0.178,0.169], g[3.030,0.237]
1/1 [=====] - 0s 84ms/step
>1424, dr[0.427,0.492], df[0.257,0.264], g[3.011,0.108]
1/1 [=====] - 0s 83ms/step
>1425, dr[0.234,1.050], df[0.308,0.127], g[2.943,0.341]
1/1 [=====] - 0s 83ms/step
>1426, dr[0.325,0.821], df[0.356,0.290], g[2.854,0.203]
1/1 [=====] - 0s 84ms/step
>1427, dr[0.298,0.454], df[0.217,0.168], g[2.616,0.212]
1/1 [=====] - 0s 90ms/step
>1428, dr[0.506,0.624], df[0.349,0.184], g[1.749,0.210]
1/1 [=====] - 0s 81ms/step
>1429, dr[0.295,0.325], df[0.583,0.259], g[2.862,0.163]
1/1 [=====] - 0s 85ms/step
>1430, dr[0.435,0.661], df[0.232,0.194], g[2.918,0.173]
1/1 [=====] - 0s 88ms/step
>1431, dr[0.362,0.681], df[0.253,0.089], g[2.025,0.178]
1/1 [=====] - 0s 89ms/step
>1432, dr[0.104,0.888], df[0.363,0.298], g[2.876,0.102]
1/1 [=====] - 0s 87ms/step
>1433, dr[0.569,0.969], df[0.748,0.055], g[3.159,0.162]
1/1 [=====] - 0s 81ms/step
>1434, dr[0.182,0.726], df[0.112,0.254], g[2.841,0.436]
1/1 [=====] - 0s 92ms/step
>1435, dr[0.417,0.526], df[0.311,0.375], g[1.763,0.324]
1/1 [=====] - 0s 79ms/step
>1436, dr[0.289,0.885], df[0.763,0.136], g[3.204,0.144]
1/1 [=====] - 0s 80ms/step
>1437, dr[0.500,1.490], df[0.264,0.279], g[3.048,0.194]
1/1 [=====] - 0s 86ms/step
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>1438, dr[0.318,0.285], df[0.270,0.528], g[1.930,0.235]
1/1 [=====] - 0s 81ms/step
>1439, dr[0.306,0.515], df[0.515,0.224], g[2.167,0.428]
1/1 [=====] - 0s 86ms/step
>1440, dr[0.303,1.387], df[0.419,0.231], g[2.827,0.181]
1/1 [=====] - 0s 84ms/step
>1441, dr[0.683,0.470], df[0.429,0.101], g[2.481,0.198]
1/1 [=====] - 0s 80ms/step
>1442, dr[0.386,1.065], df[0.491,0.095], g[3.001,0.215]
1/1 [=====] - 0s 89ms/step
>1443, dr[0.288,0.772], df[0.158,0.163], g[2.597,0.191]
1/1 [=====] - 0s 84ms/step
>1444, dr[0.585,0.695], df[0.596,0.393], g[2.514,0.119]
1/1 [=====] - 0s 80ms/step
>1445, dr[0.480,0.610], df[0.392,0.216], g[2.369,0.135]
1/1 [=====] - 0s 83ms/step
>1446, dr[0.187,0.506], df[0.451,0.173], g[2.902,0.212]
1/1 [=====] - 0s 81ms/step
>1447, dr[0.617,0.610], df[0.828,0.207], g[3.187,0.266]
1/1 [=====] - 0s 84ms/step
>1448, dr[0.422,0.440], df[0.316,0.121], g[3.354,0.254]
1/1 [=====] - 0s 86ms/step
>1449, dr[0.422,0.388], df[0.443,0.352], g[2.892,0.144]
1/1 [=====] - 0s 81ms/step
>1450, dr[0.511,0.748], df[0.660,0.286], g[3.236,0.153]
1/1 [=====] - 0s 84ms/step
>1451, dr[0.581,0.880], df[0.435,0.097], g[3.217,0.267]
1/1 [=====] - 0s 81ms/step
>1452, dr[0.234,0.467], df[0.254,0.105], g[3.461,0.111]
1/1 [=====] - 0s 79ms/step
>1453, dr[0.493,0.558], df[0.267,0.066], g[2.578,0.131]
1/1 [=====] - 0s 83ms/step
>1454, dr[0.261,0.398], df[0.783,0.230], g[3.239,0.266]
1/1 [=====] - 0s 83ms/step
>1455, dr[0.912,0.588], df[0.267,0.110], g[2.697,0.187]
1/1 [=====] - 0s 91ms/step
>1456, dr[0.234,0.706], df[0.436,0.455], g[2.846,0.161]
1/1 [=====] - 0s 79ms/step
>1457, dr[0.424,0.592], df[0.237,0.089], g[2.278,0.208]
1/1 [=====] - 0s 80ms/step
>1458, dr[0.246,0.583], df[0.144,0.168], g[2.452,0.168]
1/1 [=====] - 0s 86ms/step
>1459, dr[0.459,0.574], df[0.599,0.164], g[2.637,0.185]
1/1 [=====] - 0s 90ms/step
>1460, dr[0.431,1.002], df[0.422,0.133], g[3.121,0.154]
1/1 [=====] - 0s 81ms/step
>1461, dr[0.460,0.593], df[0.608,0.134], g[3.113,0.172]
1/1 [=====] - 0s 81ms/step
>1462, dr[0.221,0.568], df[0.236,0.192], g[3.332,0.192]
1/1 [=====] - 0s 88ms/step
>1463, dr[0.415,0.613], df[0.281,0.246], g[2.506,0.224]
1/1 [=====] - 0s 85ms/step
>1464, dr[0.225,0.613], df[0.598,0.175], g[3.852,0.280]
1/1 [=====] - 0s 79ms/step
>1465, dr[0.762,0.490], df[0.173,0.111], g[1.722,0.164]
1/1 [=====] - 0s 86ms/step
>1466, dr[0.123,0.503], df[0.512,0.660], g[2.479,0.283]
1/1 [=====] - 0s 94ms/step
>1467, dr[0.306,0.318], df[0.297,0.289], g[2.765,0.271]
1/1 [=====] - 0s 79ms/step
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>1468, dr[0.545,0.460], df[0.444,0.305], g[1.941,0.188]
1/1 [=====] - 0s 84ms/step
>1469, dr[0.571,0.787], df[0.636,0.391], g[2.106,0.324]
1/1 [=====] - 0s 79ms/step
>1470, dr[0.475,0.817], df[0.198,0.153], g[2.664,0.160]
1/1 [=====] - 0s 86ms/step
>1471, dr[0.137,0.853], df[0.242,0.258], g[2.263,0.213]
1/1 [=====] - 0s 83ms/step
>1472, dr[0.564,0.697], df[0.377,0.456], g[2.000,0.271]
1/1 [=====] - 0s 80ms/step
>1473, dr[0.288,0.495], df[0.390,0.283], g[2.038,0.137]
1/1 [=====] - 0s 87ms/step
>1474, dr[0.152,0.887], df[0.242,0.302], g[3.044,0.126]
1/1 [=====] - 0s 80ms/step
>1475, dr[0.666,0.415], df[0.360,0.250], g[2.343,0.176]
1/1 [=====] - 0s 80ms/step
>1476, dr[0.138,0.362], df[0.280,0.304], g[2.547,0.114]
1/1 [=====] - 0s 88ms/step
>1477, dr[0.518,0.783], df[0.668,0.147], g[2.539,0.110]
1/1 [=====] - 0s 78ms/step
>1478, dr[0.241,0.858], df[0.168,0.250], g[2.994,0.267]
1/1 [=====] - 0s 86ms/step
>1479, dr[0.547,0.884], df[0.328,0.130], g[1.494,0.191]
1/1 [=====] - 0s 87ms/step
>1480, dr[0.247,0.519], df[0.656,0.256], g[2.739,0.243]
1/1 [=====] - 0s 79ms/step
>1481, dr[0.311,0.624], df[0.289,0.100], g[2.880,0.536]
1/1 [=====] - 0s 87ms/step
>1482, dr[0.338,0.709], df[0.411,0.206], g[2.891,0.253]
1/1 [=====] - 0s 83ms/step
>1483, dr[0.766,0.891], df[0.342,0.328], g[2.356,0.216]
1/1 [=====] - 0s 90ms/step
>1484, dr[0.220,0.518], df[0.483,0.294], g[2.767,0.244]
1/1 [=====] - 0s 84ms/step
>1485, dr[0.265,0.460], df[0.316,0.114], g[2.336,0.209]
1/1 [=====] - 0s 79ms/step
>1486, dr[0.771,0.471], df[0.237,0.068], g[1.819,0.150]
1/1 [=====] - 0s 89ms/step
>1487, dr[0.113,0.990], df[0.595,0.113], g[2.860,0.160]
1/1 [=====] - 0s 86ms/step
>1488, dr[0.279,0.585], df[0.440,0.183], g[4.071,0.189]
1/1 [=====] - 0s 89ms/step
>1489, dr[0.632,0.601], df[0.077,0.178], g[2.005,0.250]
1/1 [=====] - 0s 87ms/step
>1490, dr[0.390,1.338], df[0.950,0.119], g[1.716,0.139]
1/1 [=====] - 0s 83ms/step
>1491, dr[0.493,0.585], df[0.184,0.076], g[2.007,0.212]
1/1 [=====] - 0s 87ms/step
>1492, dr[0.236,0.682], df[0.320,0.209], g[2.623,0.215]
1/1 [=====] - 0s 84ms/step
>1493, dr[0.068,0.344], df[0.307,0.058], g[2.662,0.192]
1/1 [=====] - 0s 82ms/step
>1494, dr[0.352,0.538], df[0.214,0.119], g[3.272,0.230]
1/1 [=====] - 0s 89ms/step
>1495, dr[0.651,1.066], df[0.437,0.273], g[1.426,0.343]
1/1 [=====] - 0s 88ms/step
>1496, dr[0.214,0.427], df[0.236,0.169], g[1.442,0.222]
1/1 [=====] - 0s 95ms/step
>1497, dr[0.103,0.678], df[0.733,0.187], g[2.913,0.339]
1/1 [=====] - 0s 92ms/step
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>1498, dr[0.549,0.360], df[0.184,0.200], g[2.640,0.196]
1/1 [=====] - 0s 99ms/step
>1499, dr[0.369,0.473], df[0.446,0.080], g[2.355,0.195]
1/1 [=====] - 0s 85ms/step
>1500, dr[0.240,0.425], df[0.309,0.407], g[1.715,0.249]
1/1 [=====] - 0s 92ms/step
>1501, dr[0.619,1.221], df[0.558,0.178], g[2.226,0.359]
1/1 [=====] - 0s 84ms/step
>1502, dr[0.231,0.615], df[0.315,0.240], g[3.211,0.300]
1/1 [=====] - 0s 82ms/step
>1503, dr[0.708,0.693], df[0.308,0.401], g[2.520,0.225]
1/1 [=====] - 0s 85ms/step
>1504, dr[0.144,0.885], df[0.158,0.186], g[2.318,0.272]
1/1 [=====] - 0s 79ms/step
>1505, dr[0.161,0.609], df[0.118,0.273], g[2.514,0.129]
1/1 [=====] - 0s 79ms/step
>1506, dr[0.143,0.805], df[0.354,0.250], g[2.810,0.178]
1/1 [=====] - 0s 84ms/step
>1507, dr[0.356,0.996], df[0.195,0.242], g[2.260,0.218]
1/1 [=====] - 0s 82ms/step
>1508, dr[0.425,0.660], df[1.083,0.395], g[2.918,0.553]
1/1 [=====] - 0s 88ms/step
>1509, dr[0.848,0.576], df[0.568,0.360], g[2.226,0.365]
1/1 [=====] - 0s 98ms/step
>1510, dr[0.367,0.903], df[0.348,0.165], g[2.692,0.328]
1/1 [=====] - 0s 110ms/step
>1511, dr[0.359,0.333], df[0.323,0.146], g[3.151,0.225]
1/1 [=====] - 0s 124ms/step
>1512, dr[0.790,0.760], df[0.541,0.335], g[1.633,0.224]
1/1 [=====] - 0s 89ms/step
>1513, dr[0.250,0.412], df[0.926,0.407], g[3.486,0.224]
1/1 [=====] - 0s 97ms/step
>1514, dr[0.548,0.641], df[0.177,0.187], g[2.816,0.288]
1/1 [=====] - 0s 83ms/step
>1515, dr[0.284,0.707], df[0.753,0.092], g[3.101,0.195]
1/1 [=====] - 0s 90ms/step
>1516, dr[0.631,0.571], df[0.129,0.375], g[2.475,0.084]
1/1 [=====] - 0s 91ms/step
>1517, dr[0.303,1.225], df[0.434,0.272], g[2.337,0.191]
1/1 [=====] - 0s 80ms/step
>1518, dr[0.300,0.336], df[0.542,0.362], g[3.034,0.200]
1/1 [=====] - 0s 86ms/step
>1519, dr[0.132,0.382], df[0.070,0.225], g[2.996,0.215]
1/1 [=====] - 0s 86ms/step
>1520, dr[0.353,0.445], df[0.211,0.129], g[2.529,0.120]
1/1 [=====] - 0s 82ms/step
>1521, dr[0.251,0.342], df[0.435,0.151], g[2.762,0.265]
1/1 [=====] - 0s 94ms/step
>1522, dr[0.370,1.329], df[0.263,0.261], g[2.759,0.262]
1/1 [=====] - 0s 91ms/step
>1523, dr[0.416,0.804], df[0.534,0.306], g[2.181,0.288]
1/1 [=====] - 0s 94ms/step
>1524, dr[0.477,0.415], df[0.374,0.311], g[2.862,0.214]
1/1 [=====] - 0s 89ms/step
>1525, dr[0.237,0.505], df[0.265,0.236], g[2.200,0.186]
1/1 [=====] - 0s 88ms/step
>1526, dr[0.363,0.517], df[0.405,0.201], g[2.691,0.371]
1/1 [=====] - 0s 86ms/step
>1527, dr[0.470,0.349], df[0.657,0.148], g[2.296,0.313]
1/1 [=====] - 0s 87ms/step
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>1528, dr[0.464,0.535], df[0.295,0.254], g[2.944,0.153]
1/1 [=====] - 0s 80ms/step
>1529, dr[0.538,0.709], df[0.459,0.196], g[2.433,0.189]
1/1 [=====] - 0s 81ms/step
>1530, dr[0.211,0.352], df[0.274,0.408], g[2.540,0.356]
1/1 [=====] - 0s 85ms/step
>1531, dr[0.259,0.551], df[0.376,0.172], g[2.979,0.195]
1/1 [=====] - 0s 80ms/step
>1532, dr[0.274,0.300], df[0.421,0.156], g[2.942,0.198]
1/1 [=====] - 0s 83ms/step
>1533, dr[0.671,0.786], df[0.518,0.214], g[2.589,0.301]
1/1 [=====] - 0s 84ms/step
>1534, dr[0.408,0.701], df[0.791,0.514], g[3.316,0.206]
1/1 [=====] - 0s 80ms/step
>1535, dr[0.468,0.734], df[0.320,0.345], g[3.130,0.268]
1/1 [=====] - 0s 89ms/step
>1536, dr[0.614,0.669], df[0.285,0.223], g[1.787,0.341]
1/1 [=====] - 0s 77ms/step
>1537, dr[0.267,0.303], df[0.690,0.167], g[3.165,0.204]
1/1 [=====] - 0s 80ms/step
>1538, dr[0.314,0.416], df[0.312,0.304], g[2.598,0.169]
1/1 [=====] - 0s 87ms/step
>1539, dr[0.711,0.579], df[0.492,0.424], g[2.044,0.222]
1/1 [=====] - 0s 79ms/step
>1540, dr[0.466,0.684], df[0.505,0.224], g[1.707,0.213]
1/1 [=====] - 0s 83ms/step
>1541, dr[0.255,0.460], df[0.481,0.343], g[3.086,0.104]
1/1 [=====] - 0s 81ms/step
>1542, dr[0.427,0.591], df[0.396,0.215], g[3.002,0.288]
1/1 [=====] - 0s 79ms/step
>1543, dr[0.397,0.620], df[0.223,0.404], g[2.557,0.089]
1/1 [=====] - 0s 86ms/step
>1544, dr[0.206,0.248], df[0.366,0.134], g[2.701,0.100]
1/1 [=====] - 0s 86ms/step
>1545, dr[0.279,0.616], df[0.219,0.182], g[2.997,0.130]
1/1 [=====] - 0s 90ms/step
>1546, dr[0.750,0.711], df[0.282,0.126], g[1.439,0.217]
1/1 [=====] - 0s 93ms/step
>1547, dr[0.145,0.309], df[0.637,0.294], g[2.062,0.204]
1/1 [=====] - 0s 88ms/step
>1548, dr[0.178,0.151], df[0.200,0.358], g[2.601,0.150]
1/1 [=====] - 0s 92ms/step
>1549, dr[0.423,0.425], df[0.293,0.288], g[2.372,0.198]
1/1 [=====] - 0s 95ms/step
>1550, dr[0.287,0.483], df[0.478,0.282], g[2.760,0.257]
1/1 [=====] - 0s 84ms/step
>1551, dr[0.606,0.669], df[0.375,0.183], g[2.365,0.079]
1/1 [=====] - 0s 89ms/step
>1552, dr[0.337,0.840], df[0.808,0.273], g[2.893,0.322]
1/1 [=====] - 0s 90ms/step
>1553, dr[0.541,0.491], df[0.361,0.239], g[2.817,0.304]
1/1 [=====] - 0s 91ms/step
>1554, dr[0.358,1.029], df[0.264,0.178], g[2.192,0.088]
1/1 [=====] - 0s 88ms/step
>1555, dr[0.488,0.774], df[0.383,0.135], g[1.925,0.227]
1/1 [=====] - 0s 93ms/step
>1556, dr[0.229,0.257], df[0.428,0.218], g[2.520,0.215]
1/1 [=====] - 0s 79ms/step
>1557, dr[0.349,0.288], df[0.334,0.399], g[2.765,0.209]
1/1 [=====] - 0s 81ms/step
```

```
>1558, dr[0.498,0.583], df[0.278,0.125], g[1.937,0.210]
1/1 [=====] - 0s 89ms/step
>1559, dr[0.321,0.592], df[0.694,0.275], g[2.439,0.159]
1/1 [=====] - 0s 80ms/step
>1560, dr[0.633,0.582], df[0.407,0.249], g[2.675,0.169]
1/1 [=====] - 0s 83ms/step
>1561, dr[0.294,0.289], df[0.245,0.267], g[2.545,0.252]
1/1 [=====] - 0s 89ms/step
>1562, dr[0.314,1.105], df[0.488,0.201], g[2.272,0.233]
1/1 [=====] - 0s 88ms/step
>1563, dr[0.516,0.585], df[0.225,0.133], g[1.821,0.326]
1/1 [=====] - 0s 93ms/step
>1564, dr[0.226,0.623], df[0.845,0.325], g[3.034,0.241]
1/1 [=====] - 0s 85ms/step
>1565, dr[0.834,0.728], df[0.421,0.266], g[2.359,0.093]
1/1 [=====] - 0s 84ms/step
>1566, dr[0.387,0.690], df[0.402,0.149], g[2.479,0.275]
1/1 [=====] - 0s 94ms/step
>1567, dr[0.266,0.811], df[0.568,0.291], g[3.032,0.277]
1/1 [=====] - 0s 84ms/step
>1568, dr[0.689,0.975], df[0.333,0.057], g[1.920,0.189]
1/1 [=====] - 0s 90ms/step
>1569, dr[0.232,0.457], df[0.621,0.370], g[2.288,0.251]
1/1 [=====] - 0s 87ms/step
>1570, dr[0.785,0.503], df[0.565,0.170], g[1.970,0.200]
1/1 [=====] - 0s 88ms/step
>1571, dr[0.388,0.903], df[0.370,0.221], g[2.367,0.185]
1/1 [=====] - 0s 85ms/step
>1572, dr[0.376,0.779], df[0.318,0.219], g[2.309,0.141]
1/1 [=====] - 0s 91ms/step
>1573, dr[0.369,0.684], df[0.820,0.133], g[2.800,0.207]
1/1 [=====] - 0s 92ms/step
>1574, dr[0.277,0.927], df[0.180,0.171], g[3.194,0.177]
1/1 [=====] - 0s 87ms/step
>1575, dr[0.423,0.633], df[0.338,0.233], g[2.808,0.266]
1/1 [=====] - 0s 88ms/step
>1576, dr[0.364,0.312], df[0.329,0.414], g[2.094,0.257]
1/1 [=====] - 0s 87ms/step
>1577, dr[0.325,0.546], df[0.445,0.233], g[2.512,0.323]
1/1 [=====] - 0s 88ms/step
>1578, dr[0.477,0.228], df[0.436,0.295], g[2.854,0.216]
1/1 [=====] - 0s 89ms/step
>1579, dr[0.356,0.317], df[0.452,0.327], g[2.977,0.263]
1/1 [=====] - 0s 84ms/step
>1580, dr[0.420,0.399], df[0.563,0.428], g[2.291,0.219]
1/1 [=====] - 0s 92ms/step
>1581, dr[0.725,0.680], df[0.873,0.174], g[2.881,0.289]
1/1 [=====] - 0s 93ms/step
>1582, dr[0.343,0.422], df[0.287,0.204], g[2.448,0.162]
1/1 [=====] - 0s 86ms/step
>1583, dr[0.929,0.780], df[0.558,0.537], g[1.763,0.172]
1/1 [=====] - 0s 88ms/step
>1584, dr[0.363,0.412], df[0.909,0.137], g[2.496,0.318]
1/1 [=====] - 0s 93ms/step
>1585, dr[0.408,1.397], df[0.438,0.231], g[3.199,0.252]
1/1 [=====] - 0s 94ms/step
>1586, dr[0.599,0.486], df[0.504,0.169], g[2.635,0.201]
1/1 [=====] - 0s 93ms/step
>1587, dr[0.375,0.712], df[0.325,0.229], g[2.708,0.220]
1/1 [=====] - 0s 94ms/step
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>1588, dr[0.278,0.631], df[0.241,0.116], g[2.499,0.362]
1/1 [=====] - 0s 91ms/step
>1589, dr[0.447,0.325], df[1.057,0.455], g[3.923,0.141]
1/1 [=====] - 0s 88ms/step
>1590, dr[0.871,0.567], df[0.282,0.256], g[2.741,0.230]
1/1 [=====] - 0s 96ms/step
>1591, dr[0.599,0.407], df[0.503,0.282], g[2.279,0.217]
1/1 [=====] - 0s 87ms/step
>1592, dr[0.208,0.561], df[0.479,0.381], g[3.272,0.200]
1/1 [=====] - 0s 90ms/step
>1593, dr[0.695,0.484], df[0.283,0.243], g[2.220,0.216]
1/1 [=====] - 0s 92ms/step
>1594, dr[0.385,0.550], df[0.500,0.059], g[2.273,0.172]
1/1 [=====] - 0s 89ms/step
>1595, dr[0.265,0.781], df[0.228,0.387], g[2.901,0.190]
1/1 [=====] - 0s 91ms/step
>1596, dr[0.784,0.602], df[0.424,0.166], g[1.748,0.257]
1/1 [=====] - 0s 87ms/step
>1597, dr[0.134,0.468], df[0.352,0.176], g[2.497,0.241]
1/1 [=====] - 0s 83ms/step
>1598, dr[0.444,0.872], df[0.366,0.217], g[2.065,0.312]
1/1 [=====] - 0s 84ms/step
>1599, dr[0.586,0.557], df[0.498,0.123], g[1.741,0.326]
1/1 [=====] - 0s 166ms/step
>1600, dr[0.230,0.975], df[0.372,0.266], g[2.196,0.182]
1/1 [=====] - 0s 333ms/step
>1601, dr[0.369,0.459], df[0.393,0.084], g[2.666,0.229]
1/1 [=====] - 0s 215ms/step
>1602, dr[0.427,0.428], df[0.500,0.210], g[2.425,0.283]
1/1 [=====] - 0s 230ms/step
>1603, dr[0.488,0.642], df[0.430,0.278], g[2.504,0.346]
1/1 [=====] - 0s 483ms/step
>1604, dr[0.582,0.365], df[0.878,0.479], g[3.638,0.261]
1/1 [=====] - 0s 285ms/step
>1605, dr[0.592,0.496], df[0.236,0.349], g[2.237,0.269]
1/1 [=====] - 0s 137ms/step
>1606, dr[0.338,0.793], df[0.331,0.249], g[2.222,0.394]
1/1 [=====] - 0s 67ms/step
>1607, dr[0.320,0.474], df[0.481,0.149], g[2.278,0.252]
1/1 [=====] - 0s 155ms/step
>1608, dr[0.378,0.537], df[0.496,0.106], g[3.039,0.351]
1/1 [=====] - 0s 113ms/step
>1609, dr[0.851,1.008], df[0.297,0.203], g[1.247,0.278]
1/1 [=====] - 0s 305ms/step
>1610, dr[0.156,0.582], df[0.708,0.382], g[2.172,0.193]
1/1 [=====] - 0s 241ms/step
>1611, dr[0.579,0.356], df[0.305,0.286], g[2.452,0.257]
1/1 [=====] - 0s 201ms/step
>1612, dr[0.356,0.637], df[0.463,0.406], g[2.427,0.335]
1/1 [=====] - 0s 252ms/step
>1613, dr[0.798,1.036], df[0.654,0.147], g[2.107,0.204]
1/1 [=====] - 0s 201ms/step
>1614, dr[0.396,0.595], df[0.421,0.393], g[2.269,0.147]
1/1 [=====] - 0s 155ms/step
>1615, dr[0.349,0.652], df[0.569,0.790], g[3.165,0.112]
1/1 [=====] - 0s 176ms/step
>1616, dr[0.259,0.517], df[0.263,0.157], g[3.294,0.105]
1/1 [=====] - 0s 173ms/step
>1617, dr[0.529,0.607], df[0.209,0.109], g[2.629,0.112]
1/1 [=====] - 0s 140ms/step
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>1618, dr[0.527,0.747], df[0.783,0.249], g[1.937,0.238]
1/1 [=====] - 0s 406ms/step
>1619, dr[0.154,0.769], df[0.293,0.161], g[2.766,0.157]
1/1 [=====] - 0s 250ms/step
>1620, dr[0.308,0.738], df[0.241,0.177], g[3.006,0.220]
1/1 [=====] - 0s 165ms/step
>1621, dr[0.483,0.755], df[0.377,0.134], g[2.308,0.244]
1/1 [=====] - 0s 173ms/step
>1622, dr[0.666,0.909], df[1.270,0.184], g[2.211,0.218]
1/1 [=====] - 0s 194ms/step
>1623, dr[0.384,0.801], df[0.209,0.226], g[2.592,0.160]
1/1 [=====] - 0s 359ms/step
>1624, dr[0.449,0.598], df[0.664,0.289], g[3.262,0.257]
1/1 [=====] - 0s 113ms/step
>1625, dr[0.484,0.496], df[0.250,0.145], g[2.417,0.110]
1/1 [=====] - 0s 111ms/step
>1626, dr[0.510,0.267], df[0.917,0.111], g[2.540,0.175]
1/1 [=====] - 0s 124ms/step
>1627, dr[0.596,0.618], df[0.258,0.242], g[2.177,0.299]
1/1 [=====] - 0s 137ms/step
>1628, dr[0.303,0.704], df[0.408,0.160], g[2.578,0.366]
1/1 [=====] - 0s 178ms/step
>1629, dr[0.329,0.747], df[0.582,0.210], g[2.974,0.320]
1/1 [=====] - 0s 101ms/step
>1630, dr[0.493,0.565], df[0.207,0.338], g[2.660,0.089]
1/1 [=====] - 0s 131ms/step
>1631, dr[0.571,0.440], df[0.481,0.299], g[2.177,0.167]
1/1 [=====] - 0s 109ms/step
>1632, dr[0.271,0.882], df[0.472,0.370], g[2.285,0.157]
1/1 [=====] - 0s 114ms/step
>1633, dr[0.272,1.057], df[0.470,0.388], g[3.096,0.182]
1/1 [=====] - 0s 126ms/step
>1634, dr[0.625,0.307], df[0.312,0.132], g[2.585,0.164]
1/1 [=====] - 0s 111ms/step
>1635, dr[0.362,0.700], df[0.409,0.312], g[1.849,0.475]
1/1 [=====] - 0s 103ms/step
>1636, dr[0.333,0.704], df[0.752,0.318], g[2.380,0.257]
1/1 [=====] - 0s 91ms/step
>1637, dr[0.548,0.323], df[0.303,0.290], g[2.779,0.351]
1/1 [=====] - 0s 100ms/step
>1638, dr[0.699,0.914], df[0.494,0.151], g[1.840,0.230]
1/1 [=====] - 0s 215ms/step
>1639, dr[0.498,0.922], df[0.324,0.352], g[2.293,0.232]
1/1 [=====] - 0s 107ms/step
>1640, dr[0.463,0.681], df[0.323,0.134], g[1.838,0.161]
1/1 [=====] - 0s 122ms/step
>1641, dr[0.223,0.245], df[0.267,0.136], g[2.098,0.149]
1/1 [=====] - 0s 142ms/step
>1642, dr[0.318,0.865], df[0.635,0.293], g[2.644,0.152]
1/1 [=====] - 0s 115ms/step
>1643, dr[0.500,0.914], df[0.366,0.134], g[2.405,0.294]
1/1 [=====] - 0s 121ms/step
>1644, dr[0.729,0.812], df[0.512,0.506], g[1.868,0.144]
1/1 [=====] - 0s 109ms/step
>1645, dr[0.306,0.583], df[0.935,0.293], g[2.460,0.166]
1/1 [=====] - 0s 124ms/step
>1646, dr[0.421,0.746], df[0.171,0.170], g[3.203,0.143]
1/1 [=====] - 0s 120ms/step
>1647, dr[0.590,0.672], df[0.493,0.219], g[1.965,0.322]
1/1 [=====] - 0s 92ms/step
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>1648, dr[0.355,0.666], df[0.561,0.292], g[2.909,0.138]
1/1 [=====] - 0s 106ms/step
>1649, dr[0.402,0.598], df[0.166,0.248], g[2.808,0.215]
1/1 [=====] - 0s 252ms/step
>1650, dr[0.279,0.638], df[0.504,0.221], g[2.858,0.361]
1/1 [=====] - 0s 102ms/step
>1651, dr[0.543,0.829], df[0.308,0.279], g[2.262,0.156]
1/1 [=====] - 0s 107ms/step
>1652, dr[0.296,0.657], df[0.282,0.639], g[1.905,0.456]
1/1 [=====] - 0s 94ms/step
>1653, dr[0.312,0.660], df[0.630,0.306], g[2.788,0.416]
1/1 [=====] - 0s 104ms/step
>1654, dr[0.988,0.625], df[0.517,0.239], g[1.942,0.096]
1/1 [=====] - 0s 105ms/step
>1655, dr[0.284,0.588], df[0.624,0.407], g[2.483,0.252]
1/1 [=====] - 0s 118ms/step
>1656, dr[0.685,0.741], df[0.564,0.336], g[1.944,0.256]
1/1 [=====] - 0s 135ms/step
>1657, dr[0.371,0.683], df[0.434,0.278], g[2.315,0.154]
1/1 [=====] - 0s 122ms/step
>1658, dr[0.314,0.522], df[0.272,0.256], g[2.700,0.171]
1/1 [=====] - 0s 103ms/step
>1659, dr[0.478,0.518], df[0.538,0.230], g[2.029,0.278]
1/1 [=====] - 0s 100ms/step
>1660, dr[0.740,1.014], df[0.929,0.383], g[2.509,0.175]
1/1 [=====] - 0s 97ms/step
>1661, dr[0.435,0.606], df[0.373,0.286], g[2.070,0.248]
1/1 [=====] - 0s 96ms/step
>1662, dr[0.457,0.442], df[0.288,0.061], g[1.951,0.200]
1/1 [=====] - 0s 104ms/step
>1663, dr[0.297,1.143], df[0.591,0.163], g[2.937,0.203]
1/1 [=====] - 0s 110ms/step
>1664, dr[0.600,0.500], df[0.483,0.514], g[2.484,0.125]
1/1 [=====] - 0s 101ms/step
>1665, dr[0.414,0.349], df[0.688,0.288], g[2.873,0.154]
1/1 [=====] - 0s 104ms/step
>1666, dr[0.570,1.120], df[0.191,0.222], g[2.098,0.150]
1/1 [=====] - 0s 93ms/step
>1667, dr[0.282,0.772], df[0.572,0.257], g[3.019,0.195]
1/1 [=====] - 0s 193ms/step
>1668, dr[0.899,0.658], df[0.368,0.224], g[1.748,0.151]
1/1 [=====] - 0s 119ms/step
>1669, dr[0.371,0.811], df[0.759,0.366], g[1.914,0.191]
1/1 [=====] - 0s 105ms/step
>1670, dr[0.405,0.835], df[0.336,0.223], g[1.646,0.154]
1/1 [=====] - 0s 88ms/step
>1671, dr[0.578,0.440], df[1.038,0.473], g[2.360,0.121]
1/1 [=====] - 0s 100ms/step
>1672, dr[0.614,0.770], df[0.346,0.474], g[2.120,0.129]
1/1 [=====] - 0s 155ms/step
>1673, dr[0.359,0.580], df[0.331,0.214], g[1.859,0.247]
1/1 [=====] - 0s 99ms/step
>1674, dr[0.969,0.595], df[0.702,0.330], g[1.523,0.133]
1/1 [=====] - 0s 104ms/step
>1675, dr[0.550,0.920], df[0.735,0.153], g[2.348,0.138]
1/1 [=====] - 0s 116ms/step
>1676, dr[0.296,0.604], df[0.320,0.187], g[2.626,0.158]
1/1 [=====] - 0s 125ms/step
>1677, dr[0.661,0.405], df[0.391,0.198], g[2.038,0.125]
1/1 [=====] - 0s 112ms/step
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>1678, dr[0.464,0.491], df[0.904,0.221], g[2.828,0.209]
1/1 [=====] - 0s 140ms/step
>1679, dr[0.340,0.468], df[0.348,0.113], g[2.389,0.191]
1/1 [=====] - 0s 263ms/step
>1680, dr[0.640,0.785], df[0.474,0.119], g[2.461,0.159]
1/1 [=====] - 0s 168ms/step
>1681, dr[0.502,0.471], df[0.700,0.255], g[2.684,0.167]
1/1 [=====] - 0s 120ms/step
>1682, dr[0.517,0.816], df[0.256,0.111], g[1.996,0.219]
1/1 [=====] - 0s 84ms/step
>1683, dr[0.332,0.523], df[0.182,0.075], g[1.965,0.209]
1/1 [=====] - 0s 98ms/step
>1684, dr[0.161,0.452], df[0.442,0.168], g[2.556,0.175]
1/1 [=====] - 0s 120ms/step
>1685, dr[0.496,0.317], df[0.415,0.220], g[1.803,0.122]
1/1 [=====] - 0s 110ms/step
>1686, dr[0.254,0.350], df[0.339,0.232], g[1.718,0.146]
1/1 [=====] - 0s 117ms/step
>1687, dr[0.530,0.551], df[0.439,0.201], g[2.523,0.206]
1/1 [=====] - 0s 106ms/step
>1688, dr[0.446,0.431], df[0.581,0.306], g[2.241,0.183]
1/1 [=====] - 0s 142ms/step
>1689, dr[0.542,0.674], df[0.383,0.154], g[1.889,0.079]
1/1 [=====] - 0s 124ms/step
>1690, dr[0.260,0.866], df[0.410,0.249], g[2.179,0.256]
1/1 [=====] - 0s 99ms/step
>1691, dr[0.540,0.593], df[0.334,0.203], g[1.868,0.404]
1/1 [=====] - 0s 99ms/step
>1692, dr[0.615,0.803], df[1.343,0.171], g[2.098,0.198]
1/1 [=====] - 0s 91ms/step
>1693, dr[0.342,0.491], df[0.223,0.120], g[3.141,0.074]
1/1 [=====] - 0s 91ms/step
>1694, dr[0.665,0.261], df[0.250,0.100], g[2.078,0.171]
1/1 [=====] - 0s 94ms/step
>1695, dr[0.386,0.890], df[0.484,0.182], g[1.716,0.237]
1/1 [=====] - 0s 90ms/step
>1696, dr[0.403,0.762], df[0.446,0.191], g[2.215,0.169]
1/1 [=====] - 0s 88ms/step
>1697, dr[0.482,0.618], df[0.558,0.357], g[2.778,0.251]
1/1 [=====] - 0s 110ms/step
>1698, dr[0.621,0.520], df[0.298,0.075], g[1.785,0.208]
1/1 [=====] - 0s 116ms/step
>1699, dr[0.385,0.817], df[0.747,0.132], g[1.769,0.186]
1/1 [=====] - 0s 103ms/step
>1700, dr[0.359,0.749], df[0.391,0.278], g[2.504,0.087]
1/1 [=====] - 0s 88ms/step
>1701, dr[0.363,0.265], df[0.622,0.529], g[2.998,0.163]
1/1 [=====] - 0s 99ms/step
>1702, dr[1.029,0.552], df[0.492,0.302], g[2.590,0.229]
1/1 [=====] - 0s 150ms/step
>1703, dr[0.418,0.730], df[0.397,0.139], g[2.326,0.331]
1/1 [=====] - 0s 95ms/step
>1704, dr[0.302,0.526], df[0.370,0.305], g[2.027,0.122]
1/1 [=====] - 0s 95ms/step
>1705, dr[0.327,0.529], df[0.203,0.109], g[1.744,0.116]
1/1 [=====] - 0s 99ms/step
>1706, dr[0.451,1.077], df[0.566,0.201], g[1.904,0.379]
1/1 [=====] - 0s 89ms/step
>1707, dr[0.472,0.996], df[0.531,0.189], g[2.413,0.142]
1/1 [=====] - 0s 125ms/step
```

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>1708, dr[0.343,0.402], df[0.269,0.240], g[2.075,0.329]
1/1 [=====] - 0s 82ms/step
>1709, dr[0.685,0.853], df[0.657,0.039], g[1.654,0.351]
1/1 [=====] - 0s 92ms/step
>1710, dr[0.287,0.347], df[0.317,0.265], g[2.252,0.226]
1/1 [=====] - 0s 82ms/step
>1711, dr[0.658,0.778], df[0.660,0.316], g[1.653,0.279]
1/1 [=====] - 0s 95ms/step
>1712, dr[0.642,0.918], df[0.884,0.152], g[2.553,0.255]
1/1 [=====] - 0s 104ms/step
>1713, dr[0.600,0.667], df[0.519,0.196], g[2.310,0.221]
1/1 [=====] - 0s 86ms/step
>1714, dr[0.428,0.641], df[0.387,0.446], g[2.366,0.198]
1/1 [=====] - 0s 78ms/step
>1715, dr[0.375,0.583], df[0.311,0.272], g[2.213,0.184]
1/1 [=====] - 0s 97ms/step
>1716, dr[0.421,0.503], df[0.299,0.178], g[1.805,0.325]
1/1 [=====] - 0s 94ms/step
>1717, dr[0.250,0.769], df[0.391,0.347], g[2.585,0.419]
1/1 [=====] - 0s 114ms/step
>1718, dr[0.676,0.774], df[0.484,0.217], g[2.307,0.240]
1/1 [=====] - 0s 87ms/step
>1719, dr[0.197,0.611], df[0.474,0.270], g[2.885,0.185]
1/1 [=====] - 0s 93ms/step
>1720, dr[0.642,0.450], df[0.151,0.089], g[2.432,0.174]
1/1 [=====] - 0s 86ms/step
>1721, dr[0.699,0.782], df[0.553,0.172], g[1.462,0.108]
1/1 [=====] - 0s 82ms/step
>1722, dr[0.305,0.724], df[0.878,0.288], g[2.077,0.250]
1/1 [=====] - 0s 82ms/step
>1723, dr[0.562,0.697], df[0.736,0.099], g[2.821,0.165]
1/1 [=====] - 0s 79ms/step
>1724, dr[0.956,0.171], df[0.303,0.274], g[2.406,0.170]
1/1 [=====] - 0s 100ms/step
>1725, dr[0.501,0.944], df[0.507,0.158], g[1.943,0.227]
1/1 [=====] - 0s 79ms/step
>1726, dr[0.221,0.293], df[0.475,0.207], g[2.515,0.229]
1/1 [=====] - 0s 90ms/step
>1727, dr[0.378,0.903], df[0.256,0.165], g[2.204,0.197]
1/1 [=====] - 0s 101ms/step
>1728, dr[0.512,0.536], df[0.518,0.289], g[1.575,0.352]
1/1 [=====] - 0s 82ms/step
>1729, dr[0.391,0.940], df[0.889,0.125], g[2.803,0.182]
1/1 [=====] - 0s 85ms/step
>1730, dr[0.859,0.914], df[0.196,0.279], g[1.871,0.110]
1/1 [=====] - 0s 134ms/step
>1731, dr[0.403,0.747], df[0.478,0.130], g[2.177,0.231]
1/1 [=====] - 0s 112ms/step
>1732, dr[0.356,0.685], df[0.869,0.450], g[2.789,0.185]
1/1 [=====] - 0s 122ms/step
>1733, dr[0.424,0.473], df[0.192,0.175], g[2.886,0.186]
1/1 [=====] - 0s 100ms/step
>1734, dr[0.730,0.465], df[0.303,0.127], g[1.720,0.214]
1/1 [=====] - 0s 91ms/step
>1735, dr[0.248,1.029], df[0.419,0.201], g[1.575,0.334]
1/1 [=====] - 0s 90ms/step
>1736, dr[0.184,0.762], df[0.262,0.097], g[2.023,0.146]
1/1 [=====] - 0s 80ms/step
>1737, dr[0.823,1.090], df[0.397,0.164], g[1.094,0.157]
1/1 [=====] - 0s 83ms/step
```

```
>1738, dr[0.107,0.365], df[0.726,0.252], g[1.939,0.326]
1/1 [=====] - 0s 79ms/step
>1739, dr[0.272,0.222], df[0.314,0.260], g[2.527,0.215]
1/1 [=====] - 0s 90ms/step
>1740, dr[0.574,0.599], df[0.630,0.086], g[2.561,0.120]
1/1 [=====] - 0s 85ms/step
>1741, dr[0.447,0.478], df[0.292,0.222], g[2.333,0.279]
1/1 [=====] - 0s 82ms/step
>1742, dr[0.637,0.505], df[0.716,0.168], g[2.178,0.111]
1/1 [=====] - 0s 81ms/step
>1743, dr[0.358,0.566], df[0.854,0.349], g[2.394,0.324]
1/1 [=====] - 0s 83ms/step
>1744, dr[0.403,0.459], df[0.219,0.227], g[2.113,0.153]
1/1 [=====] - 0s 81ms/step
>1745, dr[0.741,0.302], df[0.598,0.314], g[1.965,0.288]
1/1 [=====] - 0s 78ms/step
>1746, dr[0.892,0.472], df[0.844,0.137], g[1.862,0.110]
1/1 [=====] - 0s 108ms/step
>1747, dr[0.458,0.408], df[0.392,0.303], g[1.675,0.179]
1/1 [=====] - 0s 74ms/step
>1748, dr[0.547,0.982], df[0.362,0.290], g[1.896,0.180]
1/1 [=====] - 0s 81ms/step
>1749, dr[0.400,0.297], df[0.793,0.199], g[2.085,0.170]
1/1 [=====] - 0s 92ms/step
>1750, dr[0.579,0.255], df[0.549,0.143], g[2.346,0.129]
1/1 [=====] - 0s 85ms/step
>1751, dr[0.607,0.663], df[0.243,0.074], g[1.644,0.205]
1/1 [=====] - 0s 86ms/step
>1752, dr[0.177,0.876], df[0.225,0.309], g[1.866,0.268]
1/1 [=====] - 0s 76ms/step
>1753, dr[0.224,0.810], df[0.472,0.087], g[2.070,0.151]
1/1 [=====] - 0s 77ms/step
>1754, dr[0.447,0.943], df[0.410,0.413], g[2.003,0.208]
1/1 [=====] - 0s 77ms/step
>1755, dr[0.136,0.439], df[0.910,0.304], g[3.259,0.203]
1/1 [=====] - 0s 88ms/step
>1756, dr[0.832,0.926], df[0.177,0.136], g[2.187,0.186]
1/1 [=====] - 0s 78ms/step
>1757, dr[0.406,0.307], df[0.766,0.537], g[1.856,0.300]
1/1 [=====] - 0s 88ms/step
>1758, dr[0.346,0.844], df[0.358,0.277], g[2.136,0.205]
1/1 [=====] - 0s 92ms/step
>1759, dr[0.443,0.584], df[0.547,0.158], g[2.208,0.295]
1/1 [=====] - 0s 106ms/step
>1760, dr[0.470,0.624], df[0.686,0.347], g[3.086,0.145]
1/1 [=====] - 0s 84ms/step
>1761, dr[0.808,0.538], df[0.237,0.054], g[1.691,0.195]
1/1 [=====] - 0s 75ms/step
>1762, dr[0.265,0.419], df[0.615,0.235], g[1.603,0.230]
1/1 [=====] - 0s 81ms/step
>1763, dr[0.510,0.486], df[0.383,0.186], g[1.643,0.220]
1/1 [=====] - 0s 73ms/step
>1764, dr[0.330,0.557], df[0.449,0.194], g[2.503,0.158]
1/1 [=====] - 0s 75ms/step
>1765, dr[0.414,0.550], df[0.240,0.207], g[2.023,0.042]
1/1 [=====] - 0s 76ms/step
>1766, dr[0.300,0.554], df[0.401,0.253], g[2.015,0.237]
1/1 [=====] - 0s 85ms/step
>1767, dr[0.413,0.669], df[0.345,0.325], g[1.915,0.178]
1/1 [=====] - 0s 78ms/step
```

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>1768, dr[0.366,0.286], df[0.506,0.173], g[1.864,0.181]
1/1 [=====] - 0s 75ms/step
>1769, dr[0.573,0.427], df[0.708,0.236], g[2.096,0.165]
1/1 [=====] - 0s 74ms/step
>1770, dr[0.500,0.964], df[0.528,0.081], g[2.265,0.210]
1/1 [=====] - 0s 77ms/step
>1771, dr[0.542,0.354], df[0.553,0.171], g[2.399,0.282]
1/1 [=====] - 0s 74ms/step
>1772, dr[0.464,0.659], df[0.459,0.318], g[2.050,0.162]
1/1 [=====] - 0s 72ms/step
>1773, dr[0.405,0.757], df[0.327,0.200], g[1.264,0.158]
1/1 [=====] - 0s 82ms/step
>1774, dr[0.297,0.848], df[0.353,0.136], g[1.513,0.281]
1/1 [=====] - 0s 74ms/step
>1775, dr[0.341,0.440], df[0.553,0.381], g[1.608,0.395]
1/1 [=====] - 0s 74ms/step
>1776, dr[0.336,0.602], df[0.134,0.178], g[2.096,0.226]
1/1 [=====] - 0s 82ms/step
>1777, dr[0.583,0.594], df[0.837,0.178], g[2.301,0.152]
1/1 [=====] - 0s 95ms/step
>1778, dr[0.446,0.565], df[0.437,0.075], g[2.863,0.103]
1/1 [=====] - 0s 74ms/step
>1779, dr[0.557,0.677], df[0.344,0.091], g[2.110,0.194]
1/1 [=====] - 0s 87ms/step
>1780, dr[0.562,0.720], df[0.585,0.437], g[1.882,0.170]
1/1 [=====] - 0s 77ms/step
>1781, dr[0.289,0.970], df[0.582,0.282], g[2.431,0.249]
1/1 [=====] - 0s 77ms/step
>1782, dr[0.592,0.210], df[0.472,0.280], g[1.913,0.150]
1/1 [=====] - 0s 79ms/step
>1783, dr[0.291,0.661], df[0.456,0.210], g[2.517,0.166]
1/1 [=====] - 0s 71ms/step
>1784, dr[0.493,1.037], df[0.472,0.251], g[2.100,0.269]
1/1 [=====] - 0s 73ms/step
>1785, dr[0.504,0.473], df[0.323,0.207], g[1.492,0.244]
1/1 [=====] - 0s 76ms/step
>1786, dr[0.261,0.513], df[0.439,0.202], g[1.967,0.183]
1/1 [=====] - 0s 77ms/step
>1787, dr[0.203,0.340], df[0.382,0.052], g[2.052,0.249]
1/1 [=====] - 0s 86ms/step
>1788, dr[0.690,0.352], df[0.397,0.063], g[1.566,0.319]
1/1 [=====] - 0s 76ms/step
>1789, dr[0.490,0.517], df[0.534,0.312], g[2.397,0.173]
1/1 [=====] - 0s 129ms/step
>1790, dr[0.312,0.801], df[0.181,0.304], g[1.900,0.188]
1/1 [=====] - 0s 95ms/step
>1791, dr[0.248,0.386], df[0.644,0.154], g[2.290,0.211]
1/1 [=====] - 0s 85ms/step
>1792, dr[0.497,0.356], df[0.211,0.081], g[2.042,0.333]
1/1 [=====] - 0s 124ms/step
>1793, dr[0.569,0.388], df[0.563,0.077], g[1.547,0.247]
1/1 [=====] - 0s 88ms/step
>1794, dr[0.386,0.718], df[0.613,0.324], g[2.133,0.181]
1/1 [=====] - 0s 84ms/step
>1795, dr[0.583,0.413], df[0.342,0.075], g[2.070,0.101]
1/1 [=====] - 0s 85ms/step
>1796, dr[0.340,0.562], df[0.566,0.324], g[2.041,0.107]
1/1 [=====] - 0s 91ms/step
>1797, dr[0.489,0.510], df[0.244,0.342], g[1.759,0.333]
1/1 [=====] - 0s 91ms/step
```

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>1798, dr[0.338,0.738], df[0.379,0.136], g[1.966,0.092]
1/1 [=====] - 0s 99ms/step
>1799, dr[0.409,0.548], df[0.587,0.142], g[2.730,0.190]
1/1 [=====] - 0s 82ms/step
>1800, dr[0.428,0.604], df[0.336,0.096], g[2.411,0.147]
1/1 [=====] - 0s 86ms/step
>1801, dr[0.734,0.408], df[0.458,0.185], g[2.103,0.079]
1/1 [=====] - 0s 78ms/step
>1802, dr[0.327,0.535], df[0.510,0.185], g[1.920,0.092]
1/1 [=====] - 0s 80ms/step
>1803, dr[0.383,1.044], df[0.319,0.237], g[2.077,0.135]
1/1 [=====] - 0s 87ms/step
>1804, dr[0.474,0.553], df[0.716,0.287], g[2.257,0.213]
1/1 [=====] - 0s 81ms/step
>1805, dr[0.443,0.316], df[0.399,0.236], g[2.472,0.178]
1/1 [=====] - 0s 139ms/step
>1806, dr[0.450,0.250], df[0.312,0.193], g[1.728,0.209]
1/1 [=====] - 0s 131ms/step
>1807, dr[0.468,0.502], df[0.261,0.206], g[1.619,0.080]
1/1 [=====] - 0s 103ms/step
>1808, dr[0.504,0.778], df[1.121,0.214], g[2.042,0.197]
1/1 [=====] - 0s 193ms/step
>1809, dr[0.414,0.871], df[0.342,0.127], g[1.982,0.172]
1/1 [=====] - 0s 106ms/step
>1810, dr[0.299,0.553], df[0.844,0.407], g[2.262,0.129]
1/1 [=====] - 0s 102ms/step
>1811, dr[0.727,0.333], df[0.196,0.339], g[2.124,0.202]
1/1 [=====] - 0s 76ms/step
>1812, dr[0.496,0.350], df[0.397,0.290], g[2.311,0.127]
1/1 [=====] - 0s 84ms/step
>1813, dr[0.235,0.621], df[0.602,0.391], g[2.165,0.271]
1/1 [=====] - 0s 82ms/step
>1814, dr[0.944,0.694], df[0.586,0.165], g[1.812,0.200]
1/1 [=====] - 0s 73ms/step
>1815, dr[0.354,0.851], df[0.440,0.144], g[2.422,0.152]
1/1 [=====] - 0s 79ms/step
>1816, dr[0.688,0.616], df[0.644,0.218], g[1.924,0.323]
1/1 [=====] - 0s 78ms/step
>1817, dr[0.300,0.697], df[0.468,0.222], g[2.776,0.135]
1/1 [=====] - 0s 79ms/step
>1818, dr[0.628,0.444], df[0.336,0.204], g[2.168,0.110]
1/1 [=====] - 0s 80ms/step
>1819, dr[0.381,0.236], df[0.439,0.129], g[2.286,0.104]
1/1 [=====] - 0s 78ms/step
>1820, dr[0.420,0.430], df[0.295,0.051], g[2.298,0.208]
1/1 [=====] - 0s 78ms/step
>1821, dr[0.392,0.806], df[0.556,0.220], g[2.730,0.195]
1/1 [=====] - 0s 71ms/step
>1822, dr[0.351,0.622], df[0.388,0.206], g[2.087,0.330]
1/1 [=====] - 0s 86ms/step
>1823, dr[0.339,0.464], df[0.249,0.425], g[2.385,0.214]
1/1 [=====] - 0s 92ms/step
>1824, dr[0.476,0.353], df[1.133,0.401], g[2.877,0.091]
1/1 [=====] - 0s 100ms/step
>1825, dr[0.551,0.557], df[0.159,0.334], g[2.712,0.324]
1/1 [=====] - 0s 96ms/step
>1826, dr[0.538,0.635], df[0.390,0.129], g[1.972,0.261]
1/1 [=====] - 0s 89ms/step
>1827, dr[0.462,0.404], df[0.404,0.188], g[1.607,0.320]
1/1 [=====] - 0s 116ms/step
```

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>1828, dr[0.201,0.424], df[0.463,0.246], g[2.392,0.207]
1/1 [=====] - 0s 147ms/step
>1829, dr[0.588,0.619], df[0.235,0.262], g[2.228,0.338]
1/1 [=====] - 0s 148ms/step
>1830, dr[0.366,0.238], df[0.585,0.118], g[1.785,0.186]
1/1 [=====] - 0s 99ms/step
>1831, dr[0.250,0.286], df[0.396,0.109], g[2.435,0.248]
1/1 [=====] - 1s 516ms/step
>1832, dr[0.683,0.654], df[0.254,0.075], g[1.854,0.226]
1/1 [=====] - 0s 85ms/step
>1833, dr[0.358,0.834], df[0.668,0.239], g[1.763,0.245]
1/1 [=====] - 0s 87ms/step
>1834, dr[0.427,0.675], df[0.319,0.228], g[1.848,0.290]
1/1 [=====] - 0s 92ms/step
>1835, dr[0.429,0.706], df[0.390,0.212], g[2.198,0.161]
1/1 [=====] - 0s 98ms/step
>1836, dr[0.353,0.683], df[0.347,0.213], g[1.635,0.222]
1/1 [=====] - 0s 75ms/step
>1837, dr[0.327,0.564], df[0.895,0.282], g[2.000,0.215]
1/1 [=====] - 0s 86ms/step
>1838, dr[0.313,0.453], df[0.344,0.127], g[2.283,0.175]
1/1 [=====] - 0s 92ms/step
>1839, dr[0.824,0.492], df[0.571,0.303], g[2.136,0.199]
1/1 [=====] - 0s 92ms/step
>1840, dr[0.479,0.964], df[0.377,0.117], g[1.431,0.155]
1/1 [=====] - 0s 83ms/step
>1841, dr[0.200,1.191], df[0.707,0.168], g[2.015,0.349]
1/1 [=====] - 0s 88ms/step
>1842, dr[0.643,0.762], df[0.296,0.257], g[1.945,0.129]
1/1 [=====] - 0s 88ms/step
>1843, dr[0.658,0.552], df[0.486,0.261], g[1.435,0.195]
1/1 [=====] - 0s 81ms/step
>1844, dr[0.316,0.545], df[0.674,0.203], g[2.081,0.409]
1/1 [=====] - 0s 86ms/step
>1845, dr[0.472,0.771], df[0.344,0.096], g[1.810,0.251]
1/1 [=====] - 0s 78ms/step
>1846, dr[0.435,0.855], df[0.288,0.270], g[1.878,0.269]
1/1 [=====] - 0s 97ms/step
>1847, dr[0.515,0.809], df[0.420,0.383], g[2.151,0.100]
1/1 [=====] - 0s 81ms/step
>1848, dr[0.566,0.552], df[0.527,0.088], g[1.559,0.150]
1/1 [=====] - 0s 83ms/step
>1849, dr[0.381,0.532], df[0.480,0.155], g[1.909,0.199]
1/1 [=====] - 0s 78ms/step
>1850, dr[0.255,0.564], df[0.855,0.280], g[2.839,0.313]
1/1 [=====] - 0s 76ms/step
>1851, dr[0.641,0.770], df[0.234,0.271], g[3.049,0.215]
1/1 [=====] - 0s 84ms/step
>1852, dr[0.683,0.338], df[0.293,0.209], g[2.098,0.215]
1/1 [=====] - 0s 92ms/step
>1853, dr[0.401,0.450], df[0.739,0.134], g[2.273,0.327]
1/1 [=====] - 0s 84ms/step
>1854, dr[0.348,0.219], df[0.175,0.162], g[1.930,0.140]
1/1 [=====] - 0s 85ms/step
>1855, dr[0.431,0.371], df[0.341,0.299], g[1.830,0.251]
1/1 [=====] - 0s 98ms/step
>1856, dr[0.276,0.394], df[0.468,0.049], g[1.921,0.162]
1/1 [=====] - 0s 81ms/step
>1857, dr[0.350,0.649], df[0.391,0.480], g[2.254,0.236]
1/1 [=====] - 0s 88ms/step
```

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>1858, dr[0.642,0.701], df[0.454,0.125], g[1.816,0.329]
1/1 [=====] - 0s 75ms/step
>1859, dr[0.320,0.503], df[0.397,0.265], g[2.031,0.257]
1/1 [=====] - 0s 72ms/step
>1860, dr[0.367,0.787], df[0.469,0.591], g[2.374,0.128]
1/1 [=====] - 0s 88ms/step
>1861, dr[0.232,0.405], df[0.492,0.314], g[2.603,0.191]
1/1 [=====] - 0s 74ms/step
>1862, dr[0.556,0.683], df[0.249,0.132], g[2.370,0.268]
1/1 [=====] - 0s 80ms/step
>1863, dr[0.525,0.910], df[0.417,0.311], g[1.734,0.186]
1/1 [=====] - 0s 74ms/step
>1864, dr[0.306,0.685], df[0.735,0.245], g[2.671,0.255]
1/1 [=====] - 0s 75ms/step
>1865, dr[0.589,0.542], df[0.597,0.101], g[2.085,0.336]
1/1 [=====] - 0s 77ms/step
>1866, dr[0.493,0.767], df[0.372,0.212], g[1.884,0.260]
1/1 [=====] - 0s 82ms/step
>1867, dr[0.479,0.504], df[0.690,0.308], g[2.302,0.236]
1/1 [=====] - 0s 79ms/step
>1868, dr[0.844,0.365], df[0.520,0.206], g[2.208,0.239]
1/1 [=====] - 0s 75ms/step
>1869, dr[0.371,0.673], df[0.531,0.194], g[2.285,0.125]
1/1 [=====] - 0s 93ms/step
>1870, dr[0.647,0.382], df[0.450,0.232], g[2.170,0.107]
1/1 [=====] - 0s 95ms/step
>1871, dr[0.657,1.468], df[0.514,0.073], g[1.686,0.099]
1/1 [=====] - 0s 86ms/step
>1872, dr[0.390,0.547], df[0.389,0.227], g[1.599,0.361]
1/1 [=====] - 0s 81ms/step
>1873, dr[0.368,0.495], df[0.579,0.126], g[1.990,0.202]
1/1 [=====] - 0s 85ms/step
>1874, dr[0.428,0.429], df[0.481,0.094], g[2.124,0.160]
4/4 [=====] - 0s 45ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 77ms/step
>1875, dr[0.387,0.321], df[0.447,0.215], g[2.410,0.263]
1/1 [=====] - 0s 80ms/step
>1876, dr[0.682,0.743], df[0.550,0.212], g[2.089,0.338]
1/1 [=====] - 0s 81ms/step
>1877, dr[0.372,0.567], df[0.231,0.187], g[2.313,0.110]
1/1 [=====] - 0s 262ms/step
>1878, dr[0.276,0.612], df[0.519,0.129], g[2.026,0.296]
1/1 [=====] - 0s 104ms/step
>1879, dr[0.540,0.478], df[0.404,0.194], g[1.680,0.338]
1/1 [=====] - 0s 88ms/step
>1880, dr[0.511,0.323], df[0.432,0.226], g[2.104,0.283]
1/1 [=====] - 0s 90ms/step
>1881, dr[0.328,0.770], df[0.809,0.402], g[2.183,0.196]
1/1 [=====] - 0s 94ms/step
>1882, dr[0.437,0.788], df[0.234,0.146], g[2.073,0.339]
1/1 [=====] - 0s 89ms/step
>1883, dr[0.501,0.676], df[0.448,0.194], g[1.801,0.156]
1/1 [=====] - 0s 91ms/step
>1884, dr[0.419,0.914], df[0.643,0.215], g[2.256,0.120]
1/1 [=====] - 0s 85ms/step
>1885, dr[0.466,0.409], df[0.528,0.322], g[2.424,0.200]
1/1 [=====] - 0s 96ms/step
```

```
>1886, dr[0.507,0.665], df[0.423,0.158], g[2.317,0.204]
1/1 [=====] - 0s 103ms/step
>1887, dr[0.410,0.560], df[0.399,0.338], g[2.152,0.058]
1/1 [=====] - 0s 96ms/step
>1888, dr[0.461,0.839], df[0.548,0.102], g[1.965,0.204]
1/1 [=====] - 0s 96ms/step
>1889, dr[0.457,0.756], df[0.327,0.222], g[1.680,0.184]
1/1 [=====] - 0s 86ms/step
>1890, dr[0.550,0.700], df[0.683,0.241], g[1.630,0.151]
1/1 [=====] - 0s 96ms/step
>1891, dr[0.288,0.454], df[0.292,0.262], g[1.996,0.246]
1/1 [=====] - 0s 94ms/step
>1892, dr[0.461,0.879], df[0.436,0.128], g[1.680,0.131]
1/1 [=====] - 0s 87ms/step
>1893, dr[0.603,0.376], df[0.486,0.242], g[1.886,0.122]
1/1 [=====] - 0s 92ms/step
>1894, dr[0.288,0.639], df[0.262,0.240], g[2.049,0.135]
1/1 [=====] - 0s 90ms/step
>1895, dr[0.282,0.445], df[0.507,0.169], g[1.970,0.193]
1/1 [=====] - 0s 89ms/step
>1896, dr[0.738,0.782], df[0.452,0.124], g[1.475,0.301]
1/1 [=====] - 0s 90ms/step
>1897, dr[0.289,0.361], df[0.470,0.244], g[1.700,0.315]
1/1 [=====] - 0s 89ms/step
>1898, dr[0.477,1.176], df[0.362,0.048], g[2.024,0.175]
1/1 [=====] - 0s 88ms/step
>1899, dr[0.426,0.988], df[0.408,0.205], g[1.762,0.254]
1/1 [=====] - 0s 93ms/step
>1900, dr[0.379,0.909], df[0.448,0.164], g[1.912,0.256]
1/1 [=====] - 0s 92ms/step
>1901, dr[0.414,0.516], df[0.675,0.088], g[2.150,0.258]
1/1 [=====] - 0s 75ms/step
>1902, dr[0.515,0.467], df[0.290,0.076], g[1.982,0.243]
1/1 [=====] - 0s 80ms/step
>1903, dr[0.285,0.255], df[0.598,0.212], g[2.645,0.183]
1/1 [=====] - 0s 74ms/step
>1904, dr[0.306,0.419], df[0.262,0.266], g[2.174,0.240]
1/1 [=====] - 0s 86ms/step
>1905, dr[0.620,0.602], df[0.236,0.248], g[1.824,0.204]
1/1 [=====] - 0s 77ms/step
>1906, dr[0.289,0.766], df[0.586,0.162], g[1.822,0.223]
1/1 [=====] - 0s 72ms/step
>1907, dr[0.390,0.440], df[0.626,0.253], g[2.468,0.251]
1/1 [=====] - 0s 82ms/step
>1908, dr[0.924,0.603], df[0.385,0.114], g[1.720,0.304]
1/1 [=====] - 0s 73ms/step
>1909, dr[0.266,1.359], df[0.634,0.195], g[1.785,0.098]
1/1 [=====] - 0s 84ms/step
>1910, dr[0.275,0.551], df[0.300,0.193], g[3.158,0.145]
1/1 [=====] - 0s 81ms/step
>1911, dr[0.619,0.609], df[0.292,0.253], g[1.755,0.177]
1/1 [=====] - 0s 72ms/step
>1912, dr[0.281,0.402], df[0.615,0.330], g[2.053,0.148]
1/1 [=====] - 0s 81ms/step
>1913, dr[0.551,0.379], df[0.551,0.268], g[1.795,0.278]
1/1 [=====] - 0s 86ms/step
>1914, dr[0.451,0.545], df[0.475,0.170], g[2.503,0.299]
1/1 [=====] - 0s 87ms/step
>1915, dr[0.552,0.540], df[0.396,0.101], g[1.866,0.170]
1/1 [=====] - 0s 76ms/step
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>1916, dr[0.331,0.436], df[0.232,0.041], g[1.802,0.294]
1/1 [=====] - 0s 86ms/step
>1917, dr[0.376,0.538], df[0.756,0.475], g[2.249,0.236]
1/1 [=====] - 0s 83ms/step
>1918, dr[0.278,0.419], df[0.175,0.110], g[2.304,0.266]
1/1 [=====] - 0s 100ms/step
>1919, dr[0.664,0.306], df[0.453,0.095], g[1.700,0.246]
1/1 [=====] - 0s 86ms/step
>1920, dr[0.190,0.933], df[0.389,0.242], g[1.705,0.375]
1/1 [=====] - 0s 88ms/step
>1921, dr[0.329,0.469], df[0.532,0.216], g[2.241,0.217]
1/1 [=====] - 0s 108ms/step
>1922, dr[0.321,0.305], df[0.450,0.135], g[2.289,0.257]
1/1 [=====] - 0s 82ms/step
>1923, dr[0.726,0.722], df[0.378,0.194], g[1.875,0.185]
1/1 [=====] - 0s 84ms/step
>1924, dr[0.214,0.878], df[0.625,0.343], g[2.089,0.295]
1/1 [=====] - 0s 105ms/step
>1925, dr[0.354,0.359], df[0.402,0.129], g[2.248,0.214]
1/1 [=====] - 0s 75ms/step
>1926, dr[0.468,0.512], df[0.260,0.484], g[1.925,0.226]
1/1 [=====] - 0s 102ms/step
>1927, dr[0.332,0.326], df[0.670,0.542], g[2.284,0.127]
1/1 [=====] - 0s 86ms/step
>1928, dr[0.500,0.286], df[0.231,0.243], g[2.104,0.155]
1/1 [=====] - 0s 79ms/step
>1929, dr[0.433,0.485], df[0.352,0.224], g[1.477,0.314]
1/1 [=====] - 0s 115ms/step
>1930, dr[0.250,0.609], df[0.389,0.291], g[1.701,0.148]
1/1 [=====] - 0s 85ms/step
>1931, dr[0.592,0.953], df[0.502,0.103], g[1.491,0.407]
1/1 [=====] - 0s 89ms/step
>1932, dr[0.431,0.498], df[0.768,0.290], g[2.242,0.275]
1/1 [=====] - 0s 90ms/step
>1933, dr[0.459,0.367], df[0.367,0.169], g[2.445,0.121]
1/1 [=====] - 0s 75ms/step
>1934, dr[0.390,0.592], df[0.290,0.143], g[2.356,0.207]
1/1 [=====] - 0s 72ms/step
>1935, dr[0.834,0.981], df[0.398,0.505], g[1.218,0.241]
1/1 [=====] - 0s 74ms/step
>1936, dr[0.203,0.511], df[0.959,0.338], g[2.194,0.143]
1/1 [=====] - 0s 102ms/step
>1937, dr[0.314,1.059], df[0.217,0.250], g[2.319,0.110]
1/1 [=====] - 0s 86ms/step
>1938, dr[0.458,0.768], df[0.235,0.296], g[1.665,0.232]
1/1 [=====] - 0s 112ms/step
>1939, dr[0.471,0.628], df[0.654,0.295], g[1.974,0.156]
1/1 [=====] - 0s 128ms/step
>1940, dr[0.334,0.827], df[0.394,0.178], g[2.009,0.250]
1/1 [=====] - 0s 88ms/step
>1941, dr[0.483,0.543], df[0.505,0.311], g[2.414,0.114]
1/1 [=====] - 0s 98ms/step
>1942, dr[0.280,0.364], df[0.335,0.306], g[1.938,0.134]
1/1 [=====] - 0s 102ms/step
>1943, dr[0.380,0.548], df[0.533,0.266], g[2.553,0.243]
1/1 [=====] - 0s 85ms/step
>1944, dr[0.603,0.757], df[0.575,0.176], g[1.994,0.352]
1/1 [=====] - 0s 87ms/step
>1945, dr[0.539,0.480], df[0.379,0.176], g[2.026,0.170]
1/1 [=====] - 0s 75ms/step
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>1946, dr[0.622,0.326], df[0.659,0.164], g[1.581,0.175]
1/1 [=====] - 0s 83ms/step
>1947, dr[0.485,0.707], df[0.445,0.179], g[1.614,0.347]
1/1 [=====] - 0s 74ms/step
>1948, dr[0.346,0.524], df[0.462,0.081], g[1.963,0.172]
1/1 [=====] - 0s 74ms/step
>1949, dr[0.533,0.538], df[0.512,0.230], g[2.031,0.171]
1/1 [=====] - 0s 90ms/step
>1950, dr[0.317,0.403], df[0.264,0.129], g[2.136,0.199]
1/1 [=====] - 0s 85ms/step
>1951, dr[0.432,0.629], df[0.471,0.184], g[2.242,0.179]
1/1 [=====] - 0s 89ms/step
>1952, dr[0.511,0.421], df[0.270,0.122], g[1.216,0.208]
1/1 [=====] - 0s 88ms/step
>1953, dr[0.313,0.381], df[0.683,0.483], g[1.720,0.247]
1/1 [=====] - 0s 103ms/step
>1954, dr[0.359,0.540], df[0.583,0.554], g[2.168,0.143]
1/1 [=====] - 0s 121ms/step
>1955, dr[0.688,0.624], df[0.301,0.137], g[1.776,0.129]
1/1 [=====] - 0s 112ms/step
>1956, dr[0.607,0.747], df[0.444,0.165], g[1.106,0.319]
1/1 [=====] - 0s 94ms/step
>1957, dr[0.271,1.066], df[0.538,0.448], g[1.579,0.207]
1/1 [=====] - 0s 113ms/step
>1958, dr[0.463,0.647], df[0.392,0.201], g[2.116,0.132]
1/1 [=====] - 0s 88ms/step
>1959, dr[0.464,1.115], df[0.667,0.113], g[2.293,0.185]
1/1 [=====] - 0s 110ms/step
>1960, dr[0.619,0.840], df[0.432,0.288], g[1.997,0.212]
1/1 [=====] - 0s 121ms/step
>1961, dr[0.452,0.585], df[0.649,0.288], g[1.972,0.141]
1/1 [=====] - 0s 86ms/step
>1962, dr[0.396,0.615], df[0.236,0.164], g[2.080,0.178]
1/1 [=====] - 0s 90ms/step
>1963, dr[0.485,0.966], df[0.391,0.121], g[1.436,0.109]
1/1 [=====] - 0s 90ms/step
>1964, dr[0.331,0.469], df[0.473,0.067], g[2.026,0.263]
1/1 [=====] - 0s 76ms/step
>1965, dr[0.593,0.886], df[0.874,0.454], g[2.059,0.181]
1/1 [=====] - 0s 79ms/step
>1966, dr[0.301,0.568], df[0.452,0.144], g[2.504,0.276]
1/1 [=====] - 0s 76ms/step
>1967, dr[0.789,0.807], df[0.240,0.089], g[1.763,0.233]
1/1 [=====] - 0s 105ms/step
>1968, dr[0.382,0.494], df[0.467,0.039], g[1.546,0.089]
1/1 [=====] - 0s 92ms/step
>1969, dr[0.294,0.654], df[0.535,0.263], g[2.224,0.189]
1/1 [=====] - 0s 92ms/step
>1970, dr[0.258,0.544], df[0.249,0.221], g[2.582,0.183]
1/1 [=====] - 0s 79ms/step
>1971, dr[0.765,0.776], df[0.688,0.133], g[2.258,0.230]
1/1 [=====] - 0s 83ms/step
>1972, dr[0.586,0.724], df[0.466,0.265], g[2.207,0.087]
1/1 [=====] - 0s 86ms/step
>1973, dr[0.476,0.719], df[0.342,0.074], g[1.769,0.148]
1/1 [=====] - 0s 116ms/step
>1974, dr[0.319,0.513], df[0.750,0.074], g[2.290,0.155]
1/1 [=====] - 0s 80ms/step
>1975, dr[0.541,0.548], df[0.467,0.183], g[2.731,0.120]
1/1 [=====] - 0s 84ms/step
```

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>1976, dr[0.601,0.516], df[0.338,0.240], g[2.103,0.174]
1/1 [=====] - 0s 94ms/step
>1977, dr[0.493,0.368], df[0.513,0.254], g[1.765,0.125]
1/1 [=====] - 0s 96ms/step
>1978, dr[0.389,0.515], df[0.522,0.167], g[2.007,0.216]
1/1 [=====] - 0s 102ms/step
>1979, dr[0.604,0.647], df[0.344,0.242], g[1.991,0.267]
1/1 [=====] - 0s 86ms/step
>1980, dr[0.292,0.363], df[0.492,0.272], g[1.921,0.392]
1/1 [=====] - 0s 81ms/step
>1981, dr[0.545,0.658], df[0.496,0.518], g[1.867,0.145]
1/1 [=====] - 0s 85ms/step
>1982, dr[0.298,0.352], df[0.397,0.177], g[2.702,0.104]
1/1 [=====] - 0s 88ms/step
>1983, dr[0.422,0.505], df[0.515,0.552], g[2.170,0.199]
1/1 [=====] - 0s 69ms/step
>1984, dr[0.547,0.764], df[0.379,0.211], g[2.033,0.284]
1/1 [=====] - 0s 72ms/step
>1985, dr[0.405,0.419], df[0.469,0.191], g[2.121,0.270]
1/1 [=====] - 0s 72ms/step
>1986, dr[0.558,0.673], df[0.518,0.107], g[1.562,0.179]
1/1 [=====] - 0s 76ms/step
>1987, dr[0.232,0.552], df[0.256,0.229], g[2.230,0.215]
1/1 [=====] - 0s 74ms/step
>1988, dr[0.436,0.384], df[0.390,0.144], g[1.769,0.241]
1/1 [=====] - 0s 82ms/step
>1989, dr[0.617,0.551], df[0.944,0.161], g[1.963,0.241]
1/1 [=====] - 0s 91ms/step
>1990, dr[0.703,1.031], df[0.460,0.129], g[1.706,0.323]
1/1 [=====] - 0s 102ms/step
>1991, dr[0.428,0.698], df[0.584,0.231], g[1.804,0.179]
1/1 [=====] - 0s 77ms/step
>1992, dr[0.406,0.266], df[0.703,0.175], g[2.859,0.206]
1/1 [=====] - 0s 79ms/step
>1993, dr[0.539,0.588], df[0.474,0.302], g[2.624,0.205]
1/1 [=====] - 0s 75ms/step
>1994, dr[1.097,0.585], df[0.555,0.127], g[1.688,0.239]
1/1 [=====] - 0s 81ms/step
>1995, dr[0.416,0.791], df[0.551,0.064], g[1.854,0.281]
1/1 [=====] - 0s 84ms/step
>1996, dr[0.217,0.511], df[0.388,0.200], g[1.935,0.276]
1/1 [=====] - 0s 81ms/step
>1997, dr[0.416,0.581], df[0.371,0.247], g[2.039,0.380]
1/1 [=====] - 0s 79ms/step
>1998, dr[0.573,0.982], df[0.452,0.123], g[2.025,0.393]
1/1 [=====] - 0s 85ms/step
>1999, dr[0.502,0.747], df[0.393,0.321], g[1.594,0.206]
1/1 [=====] - 0s 79ms/step
>2000, dr[0.342,0.432], df[0.394,0.262], g[1.904,0.246]
1/1 [=====] - 0s 77ms/step
>2001, dr[0.532,0.889], df[0.495,0.098], g[1.847,0.316]
1/1 [=====] - 0s 83ms/step
>2002, dr[0.461,0.455], df[0.513,0.273], g[2.197,0.174]
1/1 [=====] - 0s 75ms/step
>2003, dr[0.471,0.465], df[0.603,0.205], g[2.215,0.197]
1/1 [=====] - 0s 81ms/step
>2004, dr[0.363,0.270], df[0.325,0.147], g[2.202,0.111]
1/1 [=====] - 0s 73ms/step
>2005, dr[0.385,0.539], df[0.484,0.162], g[2.325,0.127]
1/1 [=====] - 0s 76ms/step
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>2006, dr[0.749,0.498], df[0.231,0.169], g[1.985,0.178]
1/1 [=====] - 0s 68ms/step
>2007, dr[0.234,0.481], df[0.420,0.166], g[1.816,0.210]
1/1 [=====] - 0s 80ms/step
>2008, dr[0.411,0.436], df[0.407,0.182], g[1.897,0.135]
1/1 [=====] - 0s 75ms/step
>2009, dr[0.207,0.591], df[0.251,0.107], g[2.352,0.118]
1/1 [=====] - 0s 75ms/step
>2010, dr[0.624,0.808], df[0.402,0.129], g[1.906,0.366]
1/1 [=====] - 0s 78ms/step
>2011, dr[0.249,0.532], df[0.562,0.197], g[1.919,0.309]
1/1 [=====] - 0s 74ms/step
>2012, dr[0.529,0.441], df[0.465,0.138], g[2.424,0.307]
1/1 [=====] - 0s 72ms/step
>2013, dr[0.392,0.520], df[0.358,0.093], g[2.273,0.162]
1/1 [=====] - 0s 72ms/step
>2014, dr[0.685,0.852], df[0.399,0.141], g[1.900,0.222]
1/1 [=====] - 0s 76ms/step
>2015, dr[0.401,0.723], df[0.498,0.193], g[1.345,0.327]
1/1 [=====] - 0s 73ms/step
>2016, dr[0.288,0.785], df[0.575,0.174], g[1.887,0.209]
1/1 [=====] - 0s 75ms/step
>2017, dr[0.565,0.434], df[0.324,0.169], g[1.583,0.115]
1/1 [=====] - 0s 72ms/step
>2018, dr[0.188,1.129], df[0.508,0.184], g[1.876,0.182]
1/1 [=====] - 0s 76ms/step
>2019, dr[0.263,0.298], df[0.151,0.155], g[2.136,0.337]
1/1 [=====] - 0s 77ms/step
>2020, dr[0.628,0.564], df[0.644,0.173], g[1.823,0.199]
1/1 [=====] - 0s 76ms/step
>2021, dr[0.445,0.773], df[0.499,0.304], g[1.711,0.165]
1/1 [=====] - 0s 70ms/step
>2022, dr[0.672,0.606], df[0.522,0.277], g[1.716,0.232]
1/1 [=====] - 0s 74ms/step
>2023, dr[0.320,0.395], df[0.445,0.210], g[2.188,0.276]
1/1 [=====] - 0s 75ms/step
>2024, dr[0.355,0.876], df[0.316,0.308], g[2.176,0.175]
1/1 [=====] - 0s 71ms/step
>2025, dr[0.805,0.559], df[0.550,0.178], g[1.839,0.205]
1/1 [=====] - 0s 78ms/step
>2026, dr[0.458,0.776], df[0.513,0.203], g[2.361,0.107]
1/1 [=====] - 0s 73ms/step
>2027, dr[0.481,0.587], df[0.414,0.246], g[2.002,0.270]
1/1 [=====] - 0s 78ms/step
>2028, dr[0.604,0.612], df[0.360,0.113], g[1.224,0.253]
1/1 [=====] - 0s 77ms/step
>2029, dr[0.331,1.076], df[1.051,0.065], g[2.015,0.263]
1/1 [=====] - 0s 85ms/step
>2030, dr[0.273,0.678], df[0.237,0.142], g[3.077,0.330]
1/1 [=====] - 0s 72ms/step
>2031, dr[0.966,0.940], df[0.318,0.201], g[1.673,0.093]
1/1 [=====] - 0s 93ms/step
>2032, dr[0.503,0.475], df[0.475,0.279], g[1.487,0.106]
1/1 [=====] - 0s 81ms/step
>2033, dr[0.231,0.408], df[0.559,0.098], g[1.791,0.220]
1/1 [=====] - 0s 69ms/step
>2034, dr[0.447,0.549], df[0.281,0.250], g[1.605,0.186]
1/1 [=====] - 0s 74ms/step
>2035, dr[0.205,0.590], df[0.535,0.286], g[1.951,0.355]
1/1 [=====] - 0s 72ms/step
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>2036, dr[0.665,0.563], df[0.444,0.225], g[1.597,0.263]
1/1 [=====] - 0s 70ms/step
>2037, dr[0.455,0.655], df[0.797,0.195], g[2.224,0.261]
1/1 [=====] - 0s 74ms/step
>2038, dr[0.774,0.185], df[0.387,0.154], g[1.556,0.167]
1/1 [=====] - 0s 71ms/step
>2039, dr[0.259,0.767], df[0.552,0.142], g[2.053,0.075]
1/1 [=====] - 0s 78ms/step
>2040, dr[0.433,0.490], df[0.361,0.117], g[2.335,0.119]
1/1 [=====] - 0s 74ms/step
>2041, dr[0.544,0.325], df[0.542,0.396], g[1.606,0.109]
1/1 [=====] - 0s 70ms/step
>2042, dr[0.463,0.595], df[0.453,0.235], g[1.825,0.156]
1/1 [=====] - 0s 69ms/step
>2043, dr[0.494,0.573], df[0.455,0.103], g[1.987,0.116]
1/1 [=====] - 0s 69ms/step
>2044, dr[0.721,0.697], df[0.993,0.277], g[1.857,0.211]
1/1 [=====] - 0s 70ms/step
>2045, dr[0.373,0.249], df[0.341,0.295], g[2.565,0.119]
1/1 [=====] - 0s 71ms/step
>2046, dr[0.591,0.650], df[0.340,0.119], g[1.909,0.160]
1/1 [=====] - 0s 75ms/step
>2047, dr[0.394,0.699], df[0.783,0.131], g[3.173,0.123]
1/1 [=====] - 0s 72ms/step
>2048, dr[0.642,0.959], df[0.365,0.180], g[1.916,0.176]
1/1 [=====] - 0s 77ms/step
>2049, dr[0.377,0.311], df[0.500,0.249], g[2.468,0.185]
1/1 [=====] - 0s 69ms/step
>2050, dr[0.648,0.235], df[0.579,0.201], g[2.414,0.324]
1/1 [=====] - 0s 74ms/step
>2051, dr[0.698,0.612], df[0.334,0.219], g[1.734,0.156]
1/1 [=====] - 0s 70ms/step
>2052, dr[0.258,0.591], df[0.801,0.255], g[2.254,0.181]
1/1 [=====] - 0s 78ms/step
>2053, dr[0.496,0.604], df[0.235,0.199], g[1.992,0.198]
1/1 [=====] - 0s 73ms/step
>2054, dr[0.373,0.463], df[0.429,0.270], g[2.157,0.218]
1/1 [=====] - 0s 71ms/step
>2055, dr[0.469,0.815], df[0.533,0.231], g[1.774,0.140]
1/1 [=====] - 0s 76ms/step
>2056, dr[0.350,0.612], df[0.273,0.179], g[2.543,0.227]
1/1 [=====] - 0s 70ms/step
>2057, dr[0.513,0.579], df[0.466,0.377], g[1.747,0.187]
1/1 [=====] - 0s 75ms/step
>2058, dr[0.375,0.554], df[0.400,0.139], g[1.913,0.239]
1/1 [=====] - 0s 75ms/step
>2059, dr[0.230,0.483], df[0.274,0.078], g[1.704,0.078]
1/1 [=====] - 0s 77ms/step
>2060, dr[0.491,0.470], df[0.478,0.144], g[1.746,0.196]
1/1 [=====] - 0s 73ms/step
>2061, dr[0.213,0.765], df[0.520,0.129], g[1.983,0.174]
1/1 [=====] - 0s 80ms/step
>2062, dr[0.625,0.489], df[0.488,0.160], g[1.859,0.148]
1/1 [=====] - 0s 86ms/step
>2063, dr[0.505,0.596], df[0.684,0.210], g[2.292,0.280]
1/1 [=====] - 0s 69ms/step
>2064, dr[0.431,0.743], df[0.254,0.223], g[2.147,0.155]
1/1 [=====] - 0s 79ms/step
>2065, dr[0.349,0.377], df[0.568,0.208], g[2.093,0.263]
1/1 [=====] - 0s 74ms/step
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>2066, dr[0.376,0.562], df[0.273,0.265], g[2.412,0.231]
1/1 [=====] - 0s 72ms/step
>2067, dr[0.562,0.332], df[0.403,0.058], g[1.892,0.112]
1/1 [=====] - 0s 73ms/step
>2068, dr[0.325,0.459], df[0.332,0.041], g[1.877,0.138]
1/1 [=====] - 0s 69ms/step
>2069, dr[0.470,0.525], df[0.670,0.277], g[1.415,0.155]
1/1 [=====] - 0s 71ms/step
>2070, dr[0.219,0.675], df[0.410,0.202], g[1.822,0.155]
1/1 [=====] - 0s 68ms/step
>2071, dr[0.563,0.418], df[0.445,0.281], g[1.717,0.116]
1/1 [=====] - 0s 76ms/step
>2072, dr[0.376,0.504], df[0.684,0.366], g[2.271,0.108]
1/1 [=====] - 0s 69ms/step
>2073, dr[0.440,0.702], df[0.399,0.204], g[1.860,0.244]
1/1 [=====] - 0s 82ms/step
>2074, dr[0.348,0.391], df[0.535,0.159], g[2.434,0.349]
1/1 [=====] - 0s 69ms/step
>2075, dr[0.544,1.030], df[0.267,0.262], g[1.877,0.238]
1/1 [=====] - 0s 76ms/step
>2076, dr[0.450,0.263], df[0.758,0.179], g[2.005,0.140]
1/1 [=====] - 0s 69ms/step
>2077, dr[0.378,0.545], df[0.235,0.062], g[1.848,0.499]
1/1 [=====] - 0s 77ms/step
>2078, dr[0.746,0.562], df[0.521,0.089], g[1.397,0.282]
1/1 [=====] - 0s 72ms/step
>2079, dr[0.301,0.697], df[0.252,0.078], g[1.774,0.124]
1/1 [=====] - 0s 71ms/step
>2080, dr[0.248,0.561], df[0.572,0.078], g[1.886,0.291]
1/1 [=====] - 0s 68ms/step
>2081, dr[0.432,0.808], df[0.289,0.178], g[1.900,0.127]
1/1 [=====] - 0s 71ms/step
>2082, dr[0.407,0.810], df[0.345,0.328], g[1.291,0.355]
1/1 [=====] - 0s 76ms/step
>2083, dr[0.524,0.267], df[0.850,0.174], g[1.631,0.238]
1/1 [=====] - 0s 77ms/step
>2084, dr[0.350,0.420], df[0.431,0.064], g[2.225,0.201]
1/1 [=====] - 0s 77ms/step
>2085, dr[0.328,0.336], df[0.264,0.042], g[2.001,0.137]
1/1 [=====] - 0s 73ms/step
>2086, dr[0.549,1.363], df[0.486,0.240], g[1.805,0.162]
1/1 [=====] - 0s 80ms/step
>2087, dr[0.353,0.636], df[0.470,0.124], g[1.934,0.121]
1/1 [=====] - 0s 77ms/step
>2088, dr[0.615,0.519], df[0.485,0.109], g[1.951,0.291]
1/1 [=====] - 0s 97ms/step
>2089, dr[0.513,0.687], df[0.732,0.259], g[2.182,0.203]
1/1 [=====] - 0s 68ms/step
>2090, dr[0.620,0.857], df[0.634,0.153], g[1.949,0.115]
1/1 [=====] - 0s 76ms/step
>2091, dr[0.308,0.616], df[0.461,0.379], g[2.297,0.246]
1/1 [=====] - 0s 71ms/step
>2092, dr[0.834,0.514], df[0.317,0.345], g[1.792,0.301]
1/1 [=====] - 0s 77ms/step
>2093, dr[0.411,0.383], df[0.532,0.371], g[1.506,0.212]
1/1 [=====] - 0s 68ms/step
>2094, dr[0.301,0.494], df[0.613,0.104], g[2.397,0.127]
1/1 [=====] - 0s 74ms/step
>2095, dr[0.584,0.460], df[0.611,0.184], g[2.084,0.176]
1/1 [=====] - 0s 74ms/step
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>2096, dr[0.401,0.960], df[0.345,0.281], g[2.326,0.189]
1/1 [=====] - 0s 74ms/step
>2097, dr[0.533,0.475], df[0.471,0.224], g[2.227,0.246]
1/1 [=====] - 0s 69ms/step
>2098, dr[0.565,0.169], df[0.448,0.265], g[1.960,0.217]
1/1 [=====] - 0s 68ms/step
>2099, dr[0.375,0.225], df[0.501,0.134], g[1.921,0.189]
1/1 [=====] - 0s 72ms/step
>2100, dr[0.539,0.779], df[0.853,0.120], g[1.978,0.284]
1/1 [=====] - 0s 70ms/step
>2101, dr[0.696,0.347], df[0.445,0.101], g[1.999,0.210]
1/1 [=====] - 0s 70ms/step
>2102, dr[0.499,0.447], df[0.519,0.093], g[1.648,0.309]
1/1 [=====] - 0s 69ms/step
>2103, dr[0.459,0.731], df[0.448,0.086], g[1.845,0.334]
1/1 [=====] - 0s 74ms/step
>2104, dr[0.490,0.514], df[0.493,0.196], g[1.803,0.163]
1/1 [=====] - 0s 69ms/step
>2105, dr[0.320,0.763], df[0.626,0.090], g[2.086,0.168]
1/1 [=====] - 0s 74ms/step
>2106, dr[0.568,0.498], df[0.382,0.052], g[1.975,0.228]
1/1 [=====] - 0s 71ms/step
>2107, dr[0.245,0.340], df[0.524,0.164], g[2.168,0.163]
1/1 [=====] - 0s 97ms/step
>2108, dr[0.455,0.651], df[0.309,0.052], g[2.368,0.123]
1/1 [=====] - 0s 72ms/step
>2109, dr[0.682,0.836], df[0.448,0.090], g[1.512,0.268]
1/1 [=====] - 0s 72ms/step
>2110, dr[0.267,0.681], df[0.806,0.145], g[2.335,0.155]
1/1 [=====] - 0s 73ms/step
>2111, dr[0.473,0.966], df[0.305,0.083], g[2.398,0.232]
1/1 [=====] - 0s 68ms/step
>2112, dr[0.829,0.528], df[0.596,0.135], g[1.732,0.216]
1/1 [=====] - 0s 71ms/step
>2113, dr[0.387,0.486], df[0.475,0.263], g[1.679,0.349]
1/1 [=====] - 0s 70ms/step
>2114, dr[0.304,0.234], df[0.455,0.237], g[2.045,0.105]
1/1 [=====] - 0s 68ms/step
>2115, dr[0.591,0.536], df[0.427,0.170], g[2.146,0.165]
1/1 [=====] - 0s 70ms/step
>2116, dr[0.415,0.594], df[0.439,0.180], g[1.759,0.279]
1/1 [=====] - 0s 73ms/step
>2117, dr[0.266,0.342], df[0.277,0.144], g[2.116,0.144]
1/1 [=====] - 0s 68ms/step
>2118, dr[0.436,0.665], df[0.330,0.119], g[1.891,0.141]
1/1 [=====] - 0s 72ms/step
>2119, dr[0.269,0.388], df[0.430,0.168], g[1.928,0.290]
1/1 [=====] - 0s 68ms/step
>2120, dr[0.476,0.817], df[0.341,0.042], g[2.252,0.104]
1/1 [=====] - 0s 75ms/step
>2121, dr[0.426,0.498], df[0.735,0.175], g[1.958,0.232]
1/1 [=====] - 0s 70ms/step
>2122, dr[0.557,0.432], df[0.280,0.263], g[1.753,0.336]
1/1 [=====] - 0s 74ms/step
>2123, dr[0.363,0.700], df[0.403,0.192], g[1.602,0.229]
1/1 [=====] - 0s 71ms/step
>2124, dr[0.364,1.494], df[0.458,0.305], g[1.678,0.231]
1/1 [=====] - 0s 86ms/step
>2125, dr[0.367,0.625], df[0.367,0.065], g[2.068,0.220]
1/1 [=====] - 0s 73ms/step
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>2126, dr[0.570,0.379], df[0.433,0.132], g[2.077,0.133]
1/1 [=====] - 0s 75ms/step
>2127, dr[0.739,0.724], df[0.785,0.152], g[1.840,0.377]
1/1 [=====] - 0s 78ms/step
>2128, dr[0.506,0.684], df[0.502,0.106], g[2.306,0.289]
1/1 [=====] - 0s 69ms/step
>2129, dr[0.531,0.877], df[0.354,0.061], g[1.764,0.261]
1/1 [=====] - 0s 72ms/step
>2130, dr[0.448,0.632], df[0.617,0.164], g[1.851,0.207]
1/1 [=====] - 0s 68ms/step
>2131, dr[0.431,0.683], df[0.348,0.317], g[2.069,0.101]
1/1 [=====] - 0s 69ms/step
>2132, dr[0.499,0.420], df[0.294,0.138], g[1.809,0.187]
1/1 [=====] - 0s 70ms/step
>2133, dr[0.747,1.470], df[0.771,0.177], g[1.550,0.162]
1/1 [=====] - 0s 78ms/step
>2134, dr[0.215,0.722], df[0.399,0.154], g[2.282,0.285]
1/1 [=====] - 0s 72ms/step
>2135, dr[0.433,0.619], df[0.452,0.277], g[2.053,0.163]
1/1 [=====] - 0s 88ms/step
>2136, dr[0.473,0.558], df[0.525,0.142], g[2.282,0.305]
1/1 [=====] - 0s 71ms/step
>2137, dr[0.869,0.527], df[0.481,0.126], g[1.641,0.209]
1/1 [=====] - 0s 76ms/step
>2138, dr[0.342,0.582], df[0.368,0.096], g[1.711,0.155]
1/1 [=====] - 0s 72ms/step
>2139, dr[0.275,0.696], df[0.369,0.033], g[1.803,0.173]
1/1 [=====] - 0s 76ms/step
>2140, dr[0.479,0.490], df[0.492,0.240], g[1.497,0.410]
1/1 [=====] - 0s 67ms/step
>2141, dr[0.271,0.397], df[0.390,0.146], g[1.851,0.185]
1/1 [=====] - 0s 76ms/step
>2142, dr[0.292,0.686], df[0.438,0.076], g[2.647,0.134]
1/1 [=====] - 0s 79ms/step
>2143, dr[0.660,0.781], df[0.272,0.089], g[1.540,0.132]
1/1 [=====] - 0s 72ms/step
>2144, dr[0.338,0.822], df[0.625,0.183], g[1.581,0.101]
1/1 [=====] - 0s 70ms/step
>2145, dr[0.306,0.271], df[0.430,0.090], g[2.091,0.103]
1/1 [=====] - 0s 73ms/step
>2146, dr[0.501,0.316], df[0.638,0.111], g[2.303,0.117]
1/1 [=====] - 0s 77ms/step
>2147, dr[0.453,0.480], df[0.582,0.093], g[2.119,0.183]
1/1 [=====] - 0s 70ms/step
>2148, dr[0.556,0.318], df[0.314,0.226], g[2.143,0.183]
1/1 [=====] - 0s 81ms/step
>2149, dr[0.506,0.744], df[0.514,0.407], g[2.018,0.186]
1/1 [=====] - 0s 68ms/step
>2150, dr[0.756,0.782], df[0.562,0.083], g[1.894,0.172]
1/1 [=====] - 0s 73ms/step
>2151, dr[0.491,0.844], df[0.350,0.032], g[1.623,0.187]
1/1 [=====] - 0s 75ms/step
>2152, dr[0.326,1.034], df[0.578,0.244], g[1.838,0.391]
1/1 [=====] - 0s 76ms/step
>2153, dr[0.324,0.294], df[0.235,0.201], g[2.354,0.169]
1/1 [=====] - 0s 74ms/step
>2154, dr[0.221,0.615], df[0.450,0.109], g[2.674,0.251]
1/1 [=====] - 0s 83ms/step
>2155, dr[0.438,0.950], df[0.311,0.154], g[2.133,0.237]
1/1 [=====] - 0s 84ms/step
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>2156, dr[0.647,0.387], df[0.245,0.211], g[1.631,0.171]
1/1 [=====] - 0s 95ms/step
>2157, dr[0.270,0.416], df[0.574,0.178], g[1.431,0.321]
1/1 [=====] - 0s 90ms/step
>2158, dr[0.324,0.514], df[0.565,0.113], g[2.229,0.213]
1/1 [=====] - 0s 139ms/step
>2159, dr[0.424,0.540], df[0.287,0.143], g[2.046,0.111]
1/1 [=====] - 0s 91ms/step
>2160, dr[0.411,1.282], df[0.310,0.131], g[2.056,0.098]
1/1 [=====] - 0s 95ms/step
>2161, dr[0.292,0.726], df[0.295,0.211], g[1.583,0.291]
1/1 [=====] - 0s 140ms/step
>2162, dr[0.251,0.396], df[0.229,0.214], g[2.258,0.205]
1/1 [=====] - 0s 87ms/step
>2163, dr[0.342,0.428], df[0.425,0.047], g[1.749,0.168]
1/1 [=====] - 0s 94ms/step
>2164, dr[0.554,1.087], df[0.620,0.235], g[1.407,0.222]
1/1 [=====] - 0s 97ms/step
>2165, dr[0.555,0.985], df[0.465,0.307], g[1.961,0.078]
1/1 [=====] - 0s 129ms/step
>2166, dr[0.310,0.398], df[0.477,0.078], g[1.687,0.268]
1/1 [=====] - 0s 83ms/step
>2167, dr[0.676,0.710], df[0.510,0.128], g[1.982,0.160]
1/1 [=====] - 0s 85ms/step
>2168, dr[0.323,0.454], df[0.448,0.165], g[1.646,0.214]
1/1 [=====] - 0s 86ms/step
>2169, dr[0.409,0.449], df[0.502,0.135], g[1.955,0.267]
1/1 [=====] - 0s 87ms/step
>2170, dr[0.283,0.522], df[0.400,0.199], g[1.829,0.197]
1/1 [=====] - 0s 79ms/step
>2171, dr[0.669,0.872], df[0.494,0.372], g[2.132,0.128]
1/1 [=====] - 0s 109ms/step
>2172, dr[0.290,0.645], df[0.554,0.170], g[2.300,0.262]
1/1 [=====] - 0s 142ms/step
>2173, dr[0.484,0.434], df[0.148,0.347], g[2.696,0.062]
1/1 [=====] - 0s 90ms/step
>2174, dr[0.482,0.368], df[0.404,0.202], g[1.727,0.160]
1/1 [=====] - 0s 90ms/step
>2175, dr[0.437,0.622], df[0.716,0.198], g[1.527,0.198]
1/1 [=====] - 0s 98ms/step
>2176, dr[0.196,0.353], df[0.482,0.289], g[2.752,0.125]
1/1 [=====] - 0s 115ms/step
>2177, dr[0.772,0.359], df[0.501,0.101], g[1.547,0.295]
1/1 [=====] - 0s 87ms/step
>2178, dr[0.485,0.338], df[0.359,0.191], g[1.873,0.176]
1/1 [=====] - 0s 100ms/step
>2179, dr[0.292,0.280], df[0.474,0.258], g[1.675,0.151]
1/1 [=====] - 0s 103ms/step
>2180, dr[0.341,0.249], df[0.432,0.124], g[1.986,0.264]
1/1 [=====] - 0s 88ms/step
>2181, dr[0.469,0.431], df[0.612,0.217], g[2.148,0.129]
1/1 [=====] - 0s 81ms/step
>2182, dr[0.463,0.404], df[0.444,0.468], g[2.352,0.226]
1/1 [=====] - 0s 85ms/step
>2183, dr[0.761,0.510], df[0.587,0.086], g[1.794,0.155]
1/1 [=====] - 0s 78ms/step
>2184, dr[0.593,0.624], df[0.600,0.233], g[1.675,0.096]
1/1 [=====] - 0s 107ms/step
>2185, dr[0.332,0.578], df[0.511,0.197], g[2.173,0.190]
1/1 [=====] - 0s 102ms/step
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>2186, dr[0.622,1.056], df[0.636,0.107], g[1.883,0.240]
1/1 [=====] - 0s 90ms/step
>2187, dr[0.632,0.733], df[0.606,0.234], g[1.598,0.262]
1/1 [=====] - 0s 79ms/step
>2188, dr[0.225,1.027], df[0.322,0.576], g[2.134,0.440]
1/1 [=====] - 0s 90ms/step
>2189, dr[0.661,0.705], df[0.467,0.177], g[1.461,0.229]
1/1 [=====] - 0s 72ms/step
>2190, dr[0.286,0.838], df[0.559,0.179], g[1.438,0.166]
1/1 [=====] - 0s 74ms/step
>2191, dr[0.352,0.422], df[0.327,0.126], g[2.200,0.109]
1/1 [=====] - 0s 93ms/step
>2192, dr[0.419,0.945], df[0.370,0.219], g[1.429,0.232]
1/1 [=====] - 0s 97ms/step
>2193, dr[0.355,0.598], df[0.634,0.357], g[2.035,0.165]
1/1 [=====] - 0s 86ms/step
>2194, dr[0.423,1.156], df[0.389,0.227], g[2.036,0.134]
1/1 [=====] - 0s 72ms/step
>2195, dr[0.254,0.323], df[0.344,0.183], g[2.010,0.218]
1/1 [=====] - 0s 77ms/step
>2196, dr[0.517,0.256], df[0.317,0.130], g[1.963,0.154]
1/1 [=====] - 0s 92ms/step
>2197, dr[0.305,0.504], df[0.530,0.190], g[1.940,0.160]
1/1 [=====] - 0s 72ms/step
>2198, dr[0.325,0.577], df[0.436,0.272], g[1.919,0.287]
1/1 [=====] - 0s 75ms/step
>2199, dr[0.460,0.530], df[0.236,0.415], g[1.663,0.200]
1/1 [=====] - 0s 69ms/step
>2200, dr[0.663,0.367], df[0.575,0.158], g[1.013,0.152]
1/1 [=====] - 0s 75ms/step
>2201, dr[0.344,0.254], df[0.662,0.190], g[1.838,0.166]
1/1 [=====] - 0s 73ms/step
>2202, dr[0.507,0.645], df[0.377,0.122], g[1.557,0.189]
1/1 [=====] - 0s 76ms/step
>2203, dr[0.620,0.632], df[0.659,0.173], g[1.649,0.186]
1/1 [=====] - 0s 70ms/step
>2204, dr[0.296,0.525], df[0.434,0.226], g[1.819,0.090]
1/1 [=====] - 0s 76ms/step
>2205, dr[0.517,0.388], df[0.427,0.422], g[1.557,0.242]
1/1 [=====] - 0s 68ms/step
>2206, dr[0.608,0.700], df[0.417,0.135], g[1.482,0.381]
1/1 [=====] - 0s 82ms/step
>2207, dr[0.161,0.581], df[0.356,0.298], g[1.585,0.195]
1/1 [=====] - 0s 69ms/step
>2208, dr[0.704,0.556], df[0.579,0.241], g[1.630,0.179]
1/1 [=====] - 0s 71ms/step
>2209, dr[0.442,0.229], df[0.553,0.211], g[1.723,0.237]
1/1 [=====] - 0s 70ms/step
>2210, dr[0.399,1.458], df[0.564,0.120], g[1.827,0.190]
1/1 [=====] - 0s 72ms/step
>2211, dr[0.402,0.516], df[0.244,0.058], g[2.026,0.118]
1/1 [=====] - 0s 68ms/step
>2212, dr[0.500,0.425], df[0.844,0.128], g[2.140,0.164]
1/1 [=====] - 0s 67ms/step
>2213, dr[0.499,0.435], df[0.284,0.186], g[1.608,0.276]
1/1 [=====] - 0s 75ms/step
>2214, dr[0.612,0.618], df[0.457,0.332], g[1.665,0.168]
1/1 [=====] - 0s 70ms/step
>2215, dr[0.333,0.610], df[0.448,0.183], g[1.776,0.119]
1/1 [=====] - 0s 75ms/step
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>2216, dr[0.451,0.550], df[0.602,0.440], g[1.956,0.170]
1/1 [=====] - 0s 76ms/step
>2217, dr[0.440,0.934], df[0.522,0.415], g[2.520,0.233]
1/1 [=====] - 0s 87ms/step
>2218, dr[0.596,0.356], df[0.419,0.183], g[2.205,0.273]
1/1 [=====] - 0s 79ms/step
>2219, dr[0.298,0.773], df[0.281,0.157], g[1.773,0.139]
1/1 [=====] - 0s 82ms/step
>2220, dr[0.442,0.359], df[0.380,0.427], g[1.110,0.236]
1/1 [=====] - 0s 83ms/step
>2221, dr[0.212,0.280], df[0.855,0.317], g[2.224,0.145]
1/1 [=====] - 0s 69ms/step
>2222, dr[0.461,0.487], df[0.253,0.198], g[2.432,0.134]
1/1 [=====] - 0s 79ms/step
>2223, dr[0.631,0.889], df[0.690,0.196], g[2.575,0.159]
1/1 [=====] - 0s 69ms/step
>2224, dr[0.719,0.658], df[0.397,0.284], g[2.226,0.111]
1/1 [=====] - 0s 83ms/step
>2225, dr[0.362,0.318], df[0.389,0.175], g[2.253,0.083]
1/1 [=====] - 0s 69ms/step
>2226, dr[0.397,0.474], df[0.236,0.168], g[1.458,0.088]
1/1 [=====] - 0s 88ms/step
>2227, dr[0.268,0.462], df[0.448,0.302], g[1.677,0.209]
1/1 [=====] - 0s 71ms/step
>2228, dr[0.392,0.532], df[0.360,0.107], g[1.662,0.278]
1/1 [=====] - 0s 76ms/step
>2229, dr[0.479,0.496], df[0.598,0.115], g[1.947,0.221]
1/1 [=====] - 0s 79ms/step
>2230, dr[0.502,0.815], df[0.359,0.047], g[1.458,0.216]
1/1 [=====] - 0s 68ms/step
>2231, dr[0.446,0.254], df[0.573,0.334], g[1.623,0.233]
1/1 [=====] - 0s 82ms/step
>2232, dr[0.379,0.446], df[0.674,0.120], g[2.375,0.241]
1/1 [=====] - 0s 68ms/step
>2233, dr[0.569,0.368], df[0.283,0.297], g[1.845,0.177]
1/1 [=====] - 0s 80ms/step
>2234, dr[0.567,0.493], df[0.503,0.198], g[1.414,0.161]
1/1 [=====] - 0s 69ms/step
>2235, dr[0.424,0.823], df[0.455,0.113], g[1.552,0.111]
1/1 [=====] - 0s 72ms/step
>2236, dr[0.272,0.546], df[0.481,0.134], g[2.350,0.226]
1/1 [=====] - 0s 69ms/step
>2237, dr[0.523,0.469], df[0.568,0.209], g[1.816,0.260]
1/1 [=====] - 0s 70ms/step
>2238, dr[0.693,0.491], df[0.567,0.207], g[1.544,0.227]
1/1 [=====] - 0s 75ms/step
>2239, dr[0.470,0.387], df[0.440,0.072], g[1.737,0.095]
1/1 [=====] - 0s 70ms/step
>2240, dr[0.364,0.321], df[0.496,0.125], g[1.934,0.268]
1/1 [=====] - 0s 79ms/step
>2241, dr[0.396,0.296], df[0.216,0.046], g[1.634,0.247]
1/1 [=====] - 0s 72ms/step
>2242, dr[0.388,0.496], df[0.486,0.267], g[2.021,0.180]
1/1 [=====] - 0s 75ms/step
>2243, dr[0.393,0.632], df[0.529,0.275], g[2.344,0.117]
1/1 [=====] - 0s 70ms/step
>2244, dr[0.403,0.395], df[0.359,0.250], g[1.914,0.215]
1/1 [=====] - 0s 76ms/step
>2245, dr[0.423,0.613], df[0.368,0.215], g[1.745,0.363]
1/1 [=====] - 0s 73ms/step
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>2246, dr[0.491,0.854], df[0.693,0.272], g[1.820,0.180]
1/1 [=====] - 0s 69ms/step
>2247, dr[0.539,0.578], df[0.274,0.318], g[1.488,0.235]
1/1 [=====] - 0s 76ms/step
>2248, dr[0.338,0.714], df[0.491,0.095], g[1.665,0.113]
1/1 [=====] - 0s 69ms/step
>2249, dr[0.291,0.388], df[0.468,0.114], g[1.710,0.327]
1/1 [=====] - 0s 76ms/step
>2250, dr[0.496,0.611], df[0.472,0.255], g[1.666,0.201]
1/1 [=====] - 0s 69ms/step
>2251, dr[0.551,0.604], df[0.351,0.139], g[2.190,0.283]
1/1 [=====] - 0s 76ms/step
>2252, dr[0.521,0.714], df[0.729,0.266], g[1.864,0.157]
1/1 [=====] - 0s 70ms/step
>2253, dr[0.498,0.495], df[0.384,0.139], g[1.984,0.202]
1/1 [=====] - 0s 81ms/step
>2254, dr[0.574,0.247], df[0.493,0.089], g[1.682,0.125]
1/1 [=====] - 0s 68ms/step
>2255, dr[0.283,0.466], df[0.362,0.236], g[1.691,0.133]
1/1 [=====] - 0s 81ms/step
>2256, dr[0.475,0.815], df[0.569,0.223], g[2.047,0.221]
1/1 [=====] - 0s 70ms/step
>2257, dr[0.332,0.540], df[0.506,0.169], g[2.205,0.181]
1/1 [=====] - 0s 72ms/step
>2258, dr[0.509,0.649], df[0.409,0.354], g[1.792,0.253]
1/1 [=====] - 0s 77ms/step
>2259, dr[0.437,0.326], df[0.363,0.077], g[2.069,0.115]
1/1 [=====] - 0s 74ms/step
>2260, dr[0.491,0.505], df[0.457,0.187], g[1.763,0.188]
1/1 [=====] - 0s 75ms/step
>2261, dr[0.545,0.330], df[0.958,0.383], g[2.202,0.196]
1/1 [=====] - 0s 69ms/step
>2262, dr[0.446,0.503], df[0.361,0.142], g[2.253,0.197]
1/1 [=====] - 0s 79ms/step
>2263, dr[0.569,0.517], df[0.401,0.033], g[1.506,0.197]
1/1 [=====] - 0s 71ms/step
>2264, dr[0.479,0.807], df[0.660,0.205], g[1.810,0.159]
1/1 [=====] - 0s 78ms/step
>2265, dr[0.363,0.236], df[0.400,0.123], g[2.689,0.054]
1/1 [=====] - 0s 70ms/step
>2266, dr[0.532,0.340], df[0.172,0.166], g[1.745,0.285]
1/1 [=====] - 0s 74ms/step
>2267, dr[0.379,0.506], df[0.612,0.113], g[2.022,0.237]
1/1 [=====] - 0s 68ms/step
>2268, dr[0.385,0.927], df[0.275,0.230], g[1.671,0.175]
1/1 [=====] - 0s 69ms/step
>2269, dr[0.451,0.794], df[0.567,0.203], g[1.784,0.139]
1/1 [=====] - 0s 78ms/step
>2270, dr[0.486,0.737], df[0.425,0.117], g[1.587,0.088]
1/1 [=====] - 0s 77ms/step
>2271, dr[0.405,1.368], df[0.884,0.311], g[2.137,0.170]
1/1 [=====] - 0s 84ms/step
>2272, dr[0.653,0.482], df[0.446,0.071], g[1.902,0.250]
1/1 [=====] - 0s 74ms/step
>2273, dr[0.887,0.628], df[0.659,0.111], g[1.629,0.069]
1/1 [=====] - 0s 73ms/step
>2274, dr[0.287,0.423], df[0.539,0.128], g[2.227,0.327]
1/1 [=====] - 0s 75ms/step
>2275, dr[0.423,0.643], df[0.387,0.098], g[1.980,0.180]
1/1 [=====] - 0s 75ms/step
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>2276, dr[0.609,0.713], df[0.317,0.221], g[1.565,0.292]
1/1 [=====] - 0s 76ms/step
>2277, dr[0.571,0.402], df[0.555,0.119], g[1.532,0.268]
1/1 [=====] - 0s 82ms/step
>2278, dr[0.442,0.760], df[0.553,0.260], g[1.746,0.159]
1/1 [=====] - 0s 77ms/step
>2279, dr[0.256,0.614], df[0.360,0.123], g[2.077,0.124]
1/1 [=====] - 0s 70ms/step
>2280, dr[0.495,0.269], df[0.506,0.126], g[2.112,0.156]
1/1 [=====] - 0s 70ms/step
>2281, dr[0.305,0.346], df[0.430,0.294], g[1.948,0.139]
1/1 [=====] - 0s 70ms/step
>2282, dr[0.553,0.586], df[0.300,0.175], g[1.722,0.146]
1/1 [=====] - 0s 75ms/step
>2283, dr[0.416,0.618], df[0.719,0.292], g[2.032,0.307]
1/1 [=====] - 0s 91ms/step
>2284, dr[0.415,0.659], df[0.278,0.103], g[1.919,0.277]
1/1 [=====] - 0s 74ms/step
>2285, dr[0.712,0.512], df[0.528,0.393], g[1.784,0.119]
1/1 [=====] - 0s 77ms/step
>2286, dr[0.263,1.221], df[0.562,0.253], g[1.757,0.193]
1/1 [=====] - 0s 68ms/step
>2287, dr[0.505,0.479], df[0.212,0.075], g[1.536,0.163]
1/1 [=====] - 0s 74ms/step
>2288, dr[0.235,0.622], df[0.608,0.202], g[2.096,0.181]
1/1 [=====] - 0s 69ms/step
>2289, dr[0.581,0.757], df[0.420,0.092], g[2.214,0.122]
1/1 [=====] - 0s 72ms/step
>2290, dr[0.429,0.442], df[0.361,0.192], g[1.890,0.190]
1/1 [=====] - 0s 70ms/step
>2291, dr[0.334,0.350], df[0.377,0.130], g[1.781,0.123]
1/1 [=====] - 0s 73ms/step
>2292, dr[0.483,0.608], df[0.479,0.046], g[1.921,0.113]
1/1 [=====] - 0s 72ms/step
>2293, dr[0.475,0.498], df[0.282,0.226], g[1.953,0.130]
1/1 [=====] - 0s 70ms/step
>2294, dr[0.409,0.343], df[0.734,0.136], g[1.924,0.143]
1/1 [=====] - 0s 75ms/step
>2295, dr[0.618,1.173], df[0.441,0.057], g[1.855,0.227]
1/1 [=====] - 0s 70ms/step
>2296, dr[0.492,0.660], df[0.498,0.275], g[1.792,0.242]
1/1 [=====] - 0s 75ms/step
>2297, dr[0.379,0.738], df[0.471,0.306], g[2.133,0.150]
1/1 [=====] - 0s 69ms/step
>2298, dr[0.812,0.332], df[0.539,0.230], g[1.631,0.175]
1/1 [=====] - 0s 72ms/step
>2299, dr[0.339,0.949], df[0.489,0.337], g[1.965,0.124]
1/1 [=====] - 0s 70ms/step
>2300, dr[0.517,0.339], df[0.355,0.118], g[1.426,0.097]
1/1 [=====] - 0s 77ms/step
>2301, dr[0.372,0.877], df[0.486,0.160], g[1.971,0.156]
1/1 [=====] - 0s 75ms/step
>2302, dr[0.449,0.449], df[0.353,0.356], g[1.834,0.139]
1/1 [=====] - 0s 72ms/step
>2303, dr[0.473,0.573], df[0.371,0.109], g[1.701,0.230]
1/1 [=====] - 0s 75ms/step
>2304, dr[0.630,0.458], df[0.630,0.102], g[1.389,0.228]
1/1 [=====] - 0s 75ms/step
>2305, dr[0.253,0.209], df[0.638,0.295], g[2.123,0.149]
1/1 [=====] - 0s 70ms/step
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>2306, dr[0.357,0.449], df[0.320,0.110], g[1.826,0.216]
1/1 [=====] - 0s 70ms/step
>2307, dr[0.743,0.621], df[0.366,0.203], g[1.359,0.182]
1/1 [=====] - 0s 76ms/step
>2308, dr[0.340,0.490], df[0.637,0.188], g[1.674,0.215]
1/1 [=====] - 0s 71ms/step
>2309, dr[0.250,0.243], df[0.388,0.128], g[1.928,0.131]
1/1 [=====] - 0s 75ms/step
>2310, dr[0.387,0.610], df[0.368,0.491], g[1.901,0.084]
1/1 [=====] - 0s 71ms/step
>2311, dr[0.681,0.451], df[0.562,0.164], g[1.756,0.169]
1/1 [=====] - 0s 81ms/step
>2312, dr[0.360,0.386], df[0.546,0.141], g[1.975,0.109]
1/1 [=====] - 0s 70ms/step
>2313, dr[0.577,0.613], df[0.411,0.073], g[1.502,0.327]
1/1 [=====] - 0s 78ms/step
>2314, dr[0.386,0.312], df[0.570,0.244], g[1.843,0.184]
1/1 [=====] - 0s 92ms/step
>2315, dr[0.633,0.652], df[0.531,0.115], g[1.881,0.222]
1/1 [=====] - 0s 71ms/step
>2316, dr[0.452,0.165], df[0.372,0.164], g[1.883,0.123]
1/1 [=====] - 0s 71ms/step
>2317, dr[0.831,0.771], df[0.410,0.161], g[1.260,0.208]
1/1 [=====] - 0s 69ms/step
>2318, dr[0.382,1.160], df[1.025,0.203], g[1.863,0.102]
1/1 [=====] - 0s 70ms/step
>2319, dr[0.396,0.213], df[0.304,0.228], g[1.906,0.114]
1/1 [=====] - 0s 71ms/step
>2320, dr[0.428,0.502], df[0.445,0.133], g[1.775,0.148]
1/1 [=====] - 0s 75ms/step
>2321, dr[0.502,0.521], df[0.387,0.075], g[1.497,0.245]
1/1 [=====] - 0s 74ms/step
>2322, dr[0.404,0.524], df[0.434,0.300], g[1.414,0.188]
1/1 [=====] - 0s 77ms/step
>2323, dr[0.272,0.485], df[0.411,0.089], g[1.736,0.113]
1/1 [=====] - 0s 74ms/step
>2324, dr[0.504,1.061], df[0.327,0.098], g[1.890,0.095]
1/1 [=====] - 0s 69ms/step
>2325, dr[0.357,0.853], df[0.675,0.341], g[2.036,0.217]
1/1 [=====] - 0s 73ms/step
>2326, dr[0.504,0.809], df[0.357,0.205], g[1.587,0.160]
1/1 [=====] - 0s 73ms/step
>2327, dr[0.388,1.140], df[0.676,0.255], g[1.851,0.096]
1/1 [=====] - 0s 76ms/step
>2328, dr[0.528,0.580], df[0.401,0.121], g[1.958,0.218]
1/1 [=====] - 0s 72ms/step
>2329, dr[0.663,0.947], df[0.401,0.144], g[1.692,0.216]
1/1 [=====] - 0s 87ms/step
>2330, dr[0.331,0.821], df[0.565,0.126], g[1.739,0.134]
1/1 [=====] - 0s 76ms/step
>2331, dr[0.480,0.669], df[0.361,0.331], g[1.731,0.147]
1/1 [=====] - 0s 76ms/step
>2332, dr[0.522,0.389], df[0.573,0.337], g[1.723,0.213]
1/1 [=====] - 0s 74ms/step
>2333, dr[0.381,0.709], df[0.588,0.194], g[1.917,0.125]
1/1 [=====] - 0s 72ms/step
>2334, dr[0.346,0.596], df[0.221,0.346], g[2.047,0.155]
1/1 [=====] - 0s 70ms/step
>2335, dr[0.716,0.917], df[0.629,0.170], g[1.298,0.288]
1/1 [=====] - 0s 79ms/step
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>2336, dr[0.326,0.724], df[0.474,0.160], g[1.618,0.150]
1/1 [=====] - 0s 78ms/step
>2337, dr[0.303,0.667], df[0.449,0.551], g[2.121,0.107]
1/1 [=====] - 0s 68ms/step
>2338, dr[0.512,0.387], df[0.248,0.095], g[1.404,0.254]
1/1 [=====] - 0s 74ms/step
>2339, dr[0.420,0.410], df[0.364,0.215], g[1.606,0.270]
1/1 [=====] - 0s 71ms/step
>2340, dr[0.558,0.529], df[0.830,0.233], g[1.987,0.119]
1/1 [=====] - 0s 78ms/step
>2341, dr[0.335,0.986], df[0.571,0.418], g[1.992,0.155]
1/1 [=====] - 0s 73ms/step
>2342, dr[0.647,0.601], df[0.257,0.115], g[1.662,0.104]
1/1 [=====] - 0s 74ms/step
>2343, dr[0.668,0.665], df[0.561,0.236], g[1.634,0.191]
1/1 [=====] - 0s 75ms/step
>2344, dr[0.435,0.303], df[0.496,0.203], g[1.462,0.174]
1/1 [=====] - 0s 69ms/step
>2345, dr[0.208,0.459], df[0.439,0.180], g[2.193,0.185]
1/1 [=====] - 0s 91ms/step
>2346, dr[0.463,0.334], df[0.387,0.076], g[1.694,0.248]
1/1 [=====] - 0s 74ms/step
>2347, dr[0.613,0.859], df[0.450,0.109], g[1.647,0.248]
1/1 [=====] - 0s 79ms/step
>2348, dr[0.541,0.620], df[0.517,0.174], g[1.591,0.169]
1/1 [=====] - 0s 77ms/step
>2349, dr[0.339,0.816], df[0.285,0.242], g[1.583,0.110]
1/1 [=====] - 0s 78ms/step
>2350, dr[0.332,0.246], df[0.618,0.077], g[1.614,0.164]
1/1 [=====] - 0s 77ms/step
>2351, dr[0.352,0.638], df[0.385,0.065], g[2.202,0.204]
1/1 [=====] - 0s 77ms/step
>2352, dr[0.362,0.621], df[0.484,0.251], g[2.111,0.052]
1/1 [=====] - 0s 71ms/step
>2353, dr[0.488,0.641], df[0.280,0.088], g[1.527,0.116]
1/1 [=====] - 0s 69ms/step
>2354, dr[0.405,0.234], df[0.516,0.186], g[1.409,0.244]
1/1 [=====] - 0s 69ms/step
>2355, dr[0.407,0.571], df[0.586,0.289], g[1.648,0.158]
1/1 [=====] - 0s 69ms/step
>2356, dr[0.409,0.856], df[0.395,0.239], g[1.916,0.143]
1/1 [=====] - 0s 72ms/step
>2357, dr[0.546,0.608], df[0.435,0.209], g[1.516,0.401]
1/1 [=====] - 0s 72ms/step
>2358, dr[0.474,0.634], df[0.931,0.269], g[1.982,0.210]
1/1 [=====] - 0s 77ms/step
>2359, dr[0.536,0.645], df[0.408,0.166], g[2.277,0.138]
1/1 [=====] - 0s 74ms/step
>2360, dr[0.808,0.535], df[0.549,0.112], g[1.617,0.184]
1/1 [=====] - 0s 79ms/step
>2361, dr[0.355,0.465], df[0.490,0.135], g[1.623,0.153]
1/1 [=====] - 0s 74ms/step
>2362, dr[0.437,0.826], df[0.559,0.164], g[1.957,0.127]
1/1 [=====] - 0s 73ms/step
>2363, dr[0.830,0.473], df[0.462,0.062], g[1.628,0.182]
1/1 [=====] - 0s 75ms/step
>2364, dr[0.334,0.759], df[0.668,0.100], g[1.895,0.204]
1/1 [=====] - 0s 76ms/step
>2365, dr[0.345,0.666], df[0.334,0.178], g[1.894,0.080]
1/1 [=====] - 0s 84ms/step
```

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>2366, dr[0.465,0.580], df[0.541,0.047], g[2.041,0.256]
1/1 [=====] - 0s 80ms/step
>2367, dr[0.856,0.328], df[0.491,0.121], g[1.543,0.118]
1/1 [=====] - 0s 80ms/step
>2368, dr[0.396,0.649], df[0.666,0.106], g[1.658,0.175]
1/1 [=====] - 0s 96ms/step
>2369, dr[0.533,0.460], df[0.376,0.124], g[1.420,0.191]
1/1 [=====] - 0s 74ms/step
>2370, dr[0.392,0.311], df[0.535,0.129], g[1.665,0.142]
1/1 [=====] - 0s 80ms/step
>2371, dr[0.331,0.245], df[0.434,0.061], g[1.687,0.160]
1/1 [=====] - 0s 72ms/step
>2372, dr[0.410,0.491], df[0.442,0.103], g[1.607,0.118]
1/1 [=====] - 0s 79ms/step
>2373, dr[0.294,0.651], df[0.280,0.255], g[1.871,0.115]
1/1 [=====] - 0s 71ms/step
>2374, dr[0.327,1.569], df[0.403,0.166], g[1.738,0.158]
1/1 [=====] - 0s 78ms/step
>2375, dr[0.488,0.381], df[0.402,0.271], g[1.790,0.246]
1/1 [=====] - 0s 71ms/step
>2376, dr[0.253,0.653], df[0.331,0.125], g[1.606,0.197]
1/1 [=====] - 0s 77ms/step
>2377, dr[0.377,0.487], df[0.352,0.085], g[1.454,0.137]
1/1 [=====] - 0s 69ms/step
>2378, dr[0.412,0.236], df[0.295,0.082], g[1.553,0.180]
1/1 [=====] - 0s 75ms/step
>2379, dr[0.321,0.943], df[0.541,0.228], g[1.830,0.174]
1/1 [=====] - 0s 71ms/step
>2380, dr[0.624,0.932], df[0.466,0.119], g[1.510,0.240]
1/1 [=====] - 0s 69ms/step
>2381, dr[0.436,0.549], df[0.495,0.119], g[1.612,0.145]
1/1 [=====] - 0s 69ms/step
>2382, dr[0.439,0.439], df[0.576,0.050], g[1.811,0.361]
1/1 [=====] - 0s 70ms/step
>2383, dr[0.521,0.343], df[0.413,0.235], g[1.780,0.274]
1/1 [=====] - 0s 73ms/step
>2384, dr[0.541,1.028], df[0.441,0.162], g[1.541,0.254]
1/1 [=====] - 0s 70ms/step
>2385, dr[0.285,0.961], df[0.477,0.101], g[2.289,0.137]
1/1 [=====] - 0s 76ms/step
>2386, dr[0.358,0.547], df[0.301,0.154], g[2.111,0.068]
1/1 [=====] - 0s 69ms/step
>2387, dr[0.507,0.550], df[0.567,0.173], g[2.079,0.103]
1/1 [=====] - 0s 74ms/step
>2388, dr[0.346,0.714], df[0.438,0.223], g[1.896,0.177]
1/1 [=====] - 0s 71ms/step
>2389, dr[0.522,0.736], df[0.280,0.108], g[1.807,0.167]
1/1 [=====] - 0s 76ms/step
>2390, dr[0.416,0.475], df[0.597,0.299], g[1.898,0.132]
1/1 [=====] - 0s 68ms/step
>2391, dr[0.322,0.453], df[0.360,0.092], g[1.751,0.182]
1/1 [=====] - 0s 77ms/step
>2392, dr[0.522,0.435], df[0.565,0.140], g[1.632,0.222]
1/1 [=====] - 0s 82ms/step
>2393, dr[0.448,0.441], df[0.545,0.173], g[1.362,0.143]
1/1 [=====] - 0s 73ms/step
>2394, dr[0.449,0.587], df[0.640,0.142], g[2.143,0.175]
1/1 [=====] - 0s 70ms/step
>2395, dr[0.513,1.165], df[0.294,0.183], g[2.077,0.131]
1/1 [=====] - 0s 76ms/step
```

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>2396, dr[0.552,0.855], df[0.473,0.133], g[1.368,0.198]
1/1 [=====] - 0s 96ms/step
>2397, dr[0.309,0.359], df[0.681,0.098], g[1.845,0.197]
1/1 [=====] - 0s 82ms/step
>2398, dr[0.503,0.494], df[0.395,0.114], g[2.026,0.272]
1/1 [=====] - 0s 75ms/step
>2399, dr[0.631,0.975], df[0.493,0.197], g[1.844,0.237]
1/1 [=====] - 0s 81ms/step
>2400, dr[0.419,0.490], df[0.398,0.337], g[1.776,0.142]
1/1 [=====] - 0s 81ms/step
>2401, dr[0.309,0.235], df[0.332,0.107], g[1.392,0.249]
1/1 [=====] - 0s 73ms/step
>2402, dr[0.443,0.407], df[0.427,0.168], g[1.638,0.296]
1/1 [=====] - 0s 77ms/step
>2403, dr[0.305,0.623], df[0.367,0.132], g[1.744,0.137]
1/1 [=====] - 0s 75ms/step
>2404, dr[0.453,0.633], df[0.424,0.209], g[1.364,0.317]
1/1 [=====] - 0s 72ms/step
>2405, dr[0.465,0.513], df[0.693,0.143], g[1.695,0.269]
1/1 [=====] - 0s 77ms/step
>2406, dr[0.358,0.388], df[0.421,0.376], g[1.767,0.208]
1/1 [=====] - 0s 72ms/step
>2407, dr[0.756,0.491], df[0.276,0.074], g[1.578,0.296]
1/1 [=====] - 0s 79ms/step
>2408, dr[0.243,0.483], df[0.522,0.194], g[1.717,0.255]
1/1 [=====] - 0s 69ms/step
>2409, dr[0.438,0.453], df[0.593,0.272], g[1.807,0.171]
1/1 [=====] - 0s 73ms/step
>2410, dr[0.684,0.563], df[0.480,0.110], g[1.908,0.299]
1/1 [=====] - 0s 71ms/step
>2411, dr[0.277,0.189], df[0.364,0.079], g[1.787,0.204]
1/1 [=====] - 0s 74ms/step
>2412, dr[0.480,0.784], df[0.380,0.307], g[1.700,0.275]
1/1 [=====] - 0s 69ms/step
>2413, dr[0.460,0.989], df[0.636,0.152], g[1.837,0.263]
1/1 [=====] - 0s 70ms/step
>2414, dr[0.367,0.391], df[0.275,0.350], g[1.733,0.221]
1/1 [=====] - 0s 72ms/step
>2415, dr[0.388,0.567], df[0.734,0.173], g[1.995,0.321]
1/1 [=====] - 0s 81ms/step
>2416, dr[0.555,0.514], df[0.401,0.129], g[2.178,0.149]
1/1 [=====] - 0s 77ms/step
>2417, dr[0.649,0.677], df[0.480,0.415], g[1.746,0.097]
1/1 [=====] - 0s 70ms/step
>2418, dr[0.312,0.718], df[0.456,0.119], g[1.371,0.250]
1/1 [=====] - 0s 76ms/step
>2419, dr[0.294,0.502], df[0.414,0.079], g[1.724,0.233]
1/1 [=====] - 0s 74ms/step
>2420, dr[0.685,0.411], df[0.529,0.172], g[1.745,0.097]
1/1 [=====] - 0s 74ms/step
>2421, dr[0.349,0.488], df[0.387,0.339], g[2.023,0.122]
1/1 [=====] - 0s 75ms/step
>2422, dr[0.583,0.563], df[0.460,0.183], g[1.808,0.116]
1/1 [=====] - 0s 74ms/step
>2423, dr[0.474,0.453], df[0.299,0.209], g[1.634,0.166]
1/1 [=====] - 0s 71ms/step
>2424, dr[0.381,0.530], df[0.623,0.249], g[1.809,0.185]
1/1 [=====] - 0s 71ms/step
>2425, dr[0.431,0.394], df[0.511,0.044], g[1.906,0.195]
1/1 [=====] - 0s 74ms/step
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>2426, dr[0.596,0.885], df[0.329,0.203], g[1.505,0.110]
1/1 [=====] - 0s 73ms/step
>2427, dr[0.515,0.617], df[0.477,0.189], g[1.518,0.193]
1/1 [=====] - 0s 74ms/step
>2428, dr[0.415,0.390], df[0.486,0.127], g[1.381,0.219]
1/1 [=====] - 0s 68ms/step
>2429, dr[0.412,0.443], df[0.305,0.260], g[1.522,0.256]
1/1 [=====] - 0s 78ms/step
>2430, dr[0.240,0.614], df[0.473,0.081], g[1.450,0.246]
1/1 [=====] - 0s 71ms/step
>2431, dr[0.533,0.625], df[0.508,0.265], g[1.859,0.149]
1/1 [=====] - 0s 79ms/step
>2432, dr[0.485,0.578], df[0.618,0.179], g[1.900,0.144]
1/1 [=====] - 0s 70ms/step
>2433, dr[0.407,0.443], df[0.368,0.224], g[1.708,0.307]
1/1 [=====] - 0s 76ms/step
>2434, dr[0.478,0.812], df[0.365,0.072], g[1.637,0.258]
1/1 [=====] - 0s 69ms/step
>2435, dr[0.594,0.611], df[0.544,0.301], g[1.422,0.289]
1/1 [=====] - 0s 79ms/step
>2436, dr[0.338,0.500], df[0.487,0.199], g[1.830,0.241]
1/1 [=====] - 0s 71ms/step
>2437, dr[0.364,0.303], df[0.451,0.239], g[1.865,0.187]
1/1 [=====] - 0s 70ms/step
>2438, dr[0.461,0.553], df[0.552,0.451], g[2.189,0.132]
1/1 [=====] - 0s 69ms/step
>2439, dr[0.584,0.858], df[0.636,0.361], g[2.136,0.191]
1/1 [=====] - 0s 71ms/step
>2440, dr[0.934,0.219], df[0.381,0.209], g[1.430,0.174]
1/1 [=====] - 0s 70ms/step
>2441, dr[0.196,0.425], df[0.469,0.093], g[1.640,0.228]
1/1 [=====] - 0s 77ms/step
>2442, dr[0.647,0.795], df[0.521,0.192], g[1.438,0.256]
1/1 [=====] - 0s 79ms/step
>2443, dr[0.300,0.312], df[0.516,0.379], g[1.876,0.254]
1/1 [=====] - 0s 73ms/step
>2444, dr[0.567,0.234], df[0.459,0.052], g[2.516,0.190]
1/1 [=====] - 0s 84ms/step
>2445, dr[0.809,0.406], df[0.699,0.184], g[1.584,0.167]
1/1 [=====] - 0s 69ms/step
>2446, dr[0.475,0.887], df[0.303,0.089], g[1.499,0.182]
1/1 [=====] - 0s 72ms/step
>2447, dr[0.351,0.399], df[0.697,0.086], g[1.833,0.171]
1/1 [=====] - 0s 71ms/step
>2448, dr[0.764,0.417], df[0.567,0.076], g[1.626,0.197]
1/1 [=====] - 0s 71ms/step
>2449, dr[0.496,0.713], df[0.588,0.060], g[1.503,0.165]
1/1 [=====] - 0s 71ms/step
>2450, dr[0.414,0.556], df[0.540,0.236], g[1.501,0.120]
1/1 [=====] - 0s 76ms/step
>2451, dr[0.386,0.751], df[0.446,0.163], g[1.949,0.397]
1/1 [=====] - 0s 76ms/step
>2452, dr[0.457,0.538], df[0.592,0.314], g[2.287,0.141]
1/1 [=====] - 0s 70ms/step
>2453, dr[0.535,0.359], df[0.445,0.217], g[1.737,0.123]
1/1 [=====] - 0s 91ms/step
>2454, dr[0.968,0.582], df[0.534,0.029], g[1.354,0.195]
1/1 [=====] - 0s 70ms/step
>2455, dr[0.292,0.322], df[0.735,0.137], g[2.058,0.118]
1/1 [=====] - 0s 76ms/step
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>2456, dr[0.402,0.570], df[0.354,0.121], g[2.101,0.200]
1/1 [=====] - 0s 71ms/step
>2457, dr[0.764,0.413], df[0.463,0.145], g[1.559,0.181]
1/1 [=====] - 0s 78ms/step
>2458, dr[0.298,1.330], df[0.469,0.208], g[1.559,0.203]
1/1 [=====] - 0s 70ms/step
>2459, dr[0.507,0.363], df[0.513,0.551], g[1.460,0.203]
1/1 [=====] - 0s 77ms/step
>2460, dr[0.335,0.447], df[0.409,0.054], g[2.149,0.155]
1/1 [=====] - 0s 88ms/step
>2461, dr[0.662,0.511], df[0.544,0.304], g[1.680,0.156]
1/1 [=====] - 0s 74ms/step
>2462, dr[0.543,0.345], df[0.536,0.205], g[1.935,0.087]
1/1 [=====] - 0s 80ms/step
>2463, dr[0.514,0.464], df[0.279,0.067], g[1.775,0.101]
1/1 [=====] - 0s 76ms/step
>2464, dr[0.385,0.399], df[0.468,0.209], g[1.502,0.130]
1/1 [=====] - 0s 76ms/step
>2465, dr[0.438,0.487], df[0.611,0.184], g[1.780,0.152]
1/1 [=====] - 0s 69ms/step
>2466, dr[0.440,0.796], df[0.367,0.210], g[1.759,0.180]
1/1 [=====] - 0s 70ms/step
>2467, dr[0.601,0.659], df[0.530,0.291], g[1.474,0.203]
1/1 [=====] - 0s 76ms/step
>2468, dr[0.226,0.365], df[0.377,0.186], g[1.668,0.264]
1/1 [=====] - 0s 75ms/step
>2469, dr[0.510,0.612], df[0.350,0.168], g[1.437,0.184]
1/1 [=====] - 0s 78ms/step
>2470, dr[0.282,0.108], df[0.572,0.244], g[2.140,0.125]
1/1 [=====] - 0s 72ms/step
>2471, dr[0.611,0.743], df[0.643,0.112], g[1.828,0.335]
1/1 [=====] - 0s 76ms/step
>2472, dr[0.684,0.573], df[0.490,0.277], g[1.699,0.164]
1/1 [=====] - 0s 77ms/step
>2473, dr[0.540,0.334], df[0.601,0.269], g[1.817,0.229]
1/1 [=====] - 0s 79ms/step
>2474, dr[0.641,0.399], df[0.377,0.135], g[1.476,0.078]
1/1 [=====] - 0s 73ms/step
>2475, dr[0.372,0.364], df[0.505,0.298], g[1.965,0.228]
1/1 [=====] - 0s 75ms/step
>2476, dr[0.336,0.395], df[0.367,0.143], g[1.583,0.202]
1/1 [=====] - 0s 73ms/step
>2477, dr[0.487,0.595], df[0.548,0.194], g[1.904,0.148]
1/1 [=====] - 0s 75ms/step
>2478, dr[0.396,0.434], df[0.370,0.097], g[1.569,0.153]
1/1 [=====] - 0s 76ms/step
>2479, dr[0.290,0.371], df[0.413,0.225], g[1.867,0.227]
1/1 [=====] - 0s 74ms/step
>2480, dr[0.485,0.187], df[0.427,0.091], g[1.746,0.198]
1/1 [=====] - 0s 79ms/step
>2481, dr[0.430,0.833], df[0.398,0.119], g[2.025,0.120]
1/1 [=====] - 0s 71ms/step
>2482, dr[0.491,0.508], df[0.592,0.128], g[1.941,0.218]
1/1 [=====] - 0s 76ms/step
>2483, dr[0.592,0.467], df[0.357,0.146], g[1.635,0.214]
1/1 [=====] - 0s 71ms/step
>2484, dr[0.459,0.345], df[0.525,0.142], g[1.861,0.310]
1/1 [=====] - 0s 81ms/step
>2485, dr[0.509,0.411], df[0.677,0.188], g[1.773,0.155]
1/1 [=====] - 0s 70ms/step
```

```
>2486, dr[0.492,0.474], df[0.451,0.172], g[2.236,0.169]
1/1 [=====] - 0s 74ms/step
>2487, dr[0.663,0.887], df[0.416,0.130], g[1.561,0.109]
1/1 [=====] - 0s 73ms/step
>2488, dr[0.350,0.374], df[0.566,0.333], g[1.654,0.178]
1/1 [=====] - 0s 75ms/step
>2489, dr[0.477,0.315], df[0.347,0.245], g[1.922,0.143]
1/1 [=====] - 0s 70ms/step
>2490, dr[0.432,0.730], df[0.535,0.145], g[1.609,0.155]
1/1 [=====] - 0s 73ms/step
>2491, dr[0.382,0.406], df[0.443,0.108], g[1.660,0.208]
1/1 [=====] - 0s 78ms/step
>2492, dr[0.458,0.452], df[0.331,0.248], g[1.717,0.107]
1/1 [=====] - 0s 71ms/step
>2493, dr[0.509,0.631], df[0.609,0.074], g[1.943,0.152]
1/1 [=====] - 0s 80ms/step
>2494, dr[0.298,0.506], df[0.398,0.129], g[1.825,0.208]
1/1 [=====] - 0s 74ms/step
>2495, dr[0.521,0.477], df[0.312,0.097], g[1.682,0.166]
1/1 [=====] - 0s 77ms/step
>2496, dr[0.387,0.285], df[0.560,0.035], g[1.686,0.176]
1/1 [=====] - 0s 86ms/step
>2497, dr[0.346,0.583], df[0.406,0.194], g[1.539,0.162]
1/1 [=====] - 0s 88ms/step
>2498, dr[0.493,0.843], df[0.425,0.167], g[2.113,0.204]
1/1 [=====] - 0s 79ms/step
>2499, dr[0.617,0.652], df[0.284,0.184], g[1.614,0.144]
1/1 [=====] - 0s 81ms/step
>2500, dr[0.310,0.497], df[0.572,0.267], g[1.553,0.257]
1/1 [=====] - 0s 76ms/step
>2501, dr[0.326,0.539], df[0.459,0.147], g[1.843,0.167]
1/1 [=====] - 0s 77ms/step
>2502, dr[0.574,0.458], df[0.420,0.206], g[1.982,0.139]
1/1 [=====] - 0s 77ms/step
>2503, dr[0.353,0.956], df[0.564,0.177], g[2.039,0.108]
1/1 [=====] - 0s 71ms/step
>2504, dr[0.532,0.367], df[0.286,0.142], g[2.104,0.117]
1/1 [=====] - 0s 78ms/step
>2505, dr[0.710,1.068], df[0.548,0.184], g[1.345,0.264]
1/1 [=====] - 0s 70ms/step
>2506, dr[0.292,0.375], df[0.387,0.099], g[1.999,0.139]
1/1 [=====] - 0s 72ms/step
>2507, dr[0.476,0.679], df[0.456,0.107], g[1.534,0.333]
1/1 [=====] - 0s 72ms/step
>2508, dr[0.373,0.317], df[0.341,0.383], g[1.648,0.144]
1/1 [=====] - 0s 71ms/step
>2509, dr[0.598,0.763], df[0.431,0.251], g[1.357,0.203]
1/1 [=====] - 0s 70ms/step
>2510, dr[0.254,0.822], df[0.428,0.125], g[1.336,0.255]
1/1 [=====] - 0s 68ms/step
>2511, dr[0.406,0.336], df[0.640,0.080], g[1.842,0.123]
1/1 [=====] - 0s 78ms/step
>2512, dr[0.617,0.721], df[0.510,0.135], g[1.645,0.194]
1/1 [=====] - 0s 71ms/step
>2513, dr[0.421,0.313], df[0.509,0.060], g[1.349,0.339]
1/1 [=====] - 0s 77ms/step
>2514, dr[0.410,0.406], df[0.450,0.069], g[1.587,0.174]
1/1 [=====] - 0s 73ms/step
>2515, dr[0.354,0.601], df[0.293,0.061], g[1.751,0.175]
1/1 [=====] - 0s 75ms/step
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>2516, dr[0.367,0.599], df[0.482,0.144], g[1.626,0.211]
1/1 [=====] - 0s 75ms/step
>2517, dr[0.812,0.900], df[0.584,0.094], g[1.632,0.094]
1/1 [=====] - 0s 80ms/step
>2518, dr[0.354,0.321], df[0.492,0.107], g[1.692,0.161]
1/1 [=====] - 0s 71ms/step
>2519, dr[0.375,1.070], df[0.567,0.190], g[1.609,0.158]
1/1 [=====] - 0s 72ms/step
>2520, dr[0.446,0.680], df[0.435,0.316], g[1.908,0.125]
1/1 [=====] - 0s 72ms/step
>2521, dr[0.351,0.266], df[0.355,0.059], g[1.761,0.140]
1/1 [=====] - 0s 73ms/step
>2522, dr[0.445,0.659], df[0.455,0.182], g[1.903,0.104]
1/1 [=====] - 0s 89ms/step
>2523, dr[0.512,0.511], df[0.547,0.133], g[1.847,0.163]
1/1 [=====] - 0s 70ms/step
>2524, dr[0.516,0.308], df[0.391,0.093], g[1.907,0.136]
1/1 [=====] - 0s 72ms/step
>2525, dr[0.342,0.813], df[0.429,0.212], g[1.936,0.081]
1/1 [=====] - 0s 72ms/step
>2526, dr[0.341,0.652], df[0.475,0.308], g[1.884,0.233]
1/1 [=====] - 0s 70ms/step
>2527, dr[0.465,0.263], df[0.211,0.130], g[1.979,0.074]
1/1 [=====] - 0s 78ms/step
>2528, dr[0.454,0.702], df[0.633,0.221], g[1.843,0.106]
1/1 [=====] - 0s 78ms/step
>2529, dr[0.387,0.376], df[0.546,0.403], g[1.950,0.151]
1/1 [=====] - 0s 78ms/step
>2530, dr[0.526,0.814], df[0.424,0.151], g[1.789,0.093]
1/1 [=====] - 0s 70ms/step
>2531, dr[0.431,0.379], df[0.386,0.137], g[1.874,0.168]
1/1 [=====] - 0s 76ms/step
>2532, dr[0.301,0.453], df[0.523,0.067], g[2.069,0.110]
1/1 [=====] - 0s 78ms/step
>2533, dr[0.505,0.808], df[0.275,0.274], g[1.502,0.147]
1/1 [=====] - 0s 74ms/step
>2534, dr[0.445,0.163], df[0.655,0.182], g[1.975,0.176]
1/1 [=====] - 0s 70ms/step
>2535, dr[0.453,0.252], df[0.446,0.278], g[2.210,0.172]
1/1 [=====] - 0s 74ms/step
>2536, dr[0.510,0.293], df[0.489,0.229], g[1.858,0.221]
1/1 [=====] - 0s 70ms/step
>2537, dr[0.336,0.421], df[0.424,0.054], g[1.955,0.262]
1/1 [=====] - 0s 72ms/step
>2538, dr[0.516,0.606], df[0.401,0.117], g[1.677,0.159]
1/1 [=====] - 0s 77ms/step
>2539, dr[0.386,0.612], df[0.605,0.025], g[1.652,0.145]
1/1 [=====] - 0s 71ms/step
>2540, dr[0.536,0.408], df[0.645,0.200], g[1.602,0.130]
1/1 [=====] - 0s 79ms/step
>2541, dr[0.567,0.971], df[0.390,0.191], g[1.625,0.145]
1/1 [=====] - 0s 74ms/step
>2542, dr[0.428,0.464], df[0.382,0.078], g[1.429,0.132]
1/1 [=====] - 0s 77ms/step
>2543, dr[0.375,0.699], df[0.378,0.174], g[1.375,0.214]
1/1 [=====] - 0s 71ms/step
>2544, dr[0.472,0.570], df[0.413,0.109], g[1.460,0.116]
1/1 [=====] - 0s 77ms/step
>2545, dr[0.238,0.584], df[0.581,0.163], g[1.998,0.178]
1/1 [=====] - 0s 72ms/step
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>2546, dr[0.495,0.355], df[0.321,0.099], g[1.920,0.261]
1/1 [=====] - 0s 81ms/step
>2547, dr[0.355,0.576], df[0.407,0.236], g[1.963,0.214]
1/1 [=====] - 0s 85ms/step
>2548, dr[0.682,0.238], df[0.454,0.173], g[1.703,0.216]
1/1 [=====] - 0s 76ms/step
>2549, dr[0.257,0.350], df[0.468,0.116], g[1.889,0.116]
1/1 [=====] - 0s 77ms/step
>2550, dr[0.495,0.711], df[0.464,0.228], g[2.121,0.078]
1/1 [=====] - 0s 85ms/step
>2551, dr[0.478,0.105], df[0.389,0.153], g[1.608,0.158]
1/1 [=====] - 0s 74ms/step
>2552, dr[0.491,0.343], df[0.739,0.408], g[1.670,0.110]
1/1 [=====] - 0s 75ms/step
>2553, dr[0.402,0.512], df[0.540,0.277], g[1.962,0.287]
1/1 [=====] - 0s 73ms/step
>2554, dr[0.642,0.532], df[0.340,0.126], g[1.505,0.095]
1/1 [=====] - 0s 73ms/step
>2555, dr[0.474,0.247], df[0.499,0.296], g[1.448,0.066]
1/1 [=====] - 0s 72ms/step
>2556, dr[0.387,0.317], df[0.362,0.195], g[1.552,0.164]
1/1 [=====] - 0s 73ms/step
>2557, dr[0.404,0.637], df[0.377,0.138], g[1.384,0.216]
1/1 [=====] - 0s 74ms/step
>2558, dr[0.371,0.402], df[0.818,0.082], g[2.043,0.077]
1/1 [=====] - 0s 76ms/step
>2559, dr[0.593,0.532], df[0.461,0.101], g[1.521,0.141]
1/1 [=====] - 0s 72ms/step
>2560, dr[0.304,0.496], df[0.496,0.109], g[2.012,0.158]
1/1 [=====] - 0s 77ms/step
>2561, dr[0.693,0.438], df[0.575,0.038], g[2.012,0.152]
1/1 [=====] - 0s 100ms/step
>2562, dr[0.521,0.749], df[0.553,0.066], g[2.174,0.121]
1/1 [=====] - 0s 87ms/step
>2563, dr[0.434,0.546], df[0.296,0.130], g[1.803,0.144]
1/1 [=====] - 0s 79ms/step
>2564, dr[0.725,0.617], df[0.543,0.108], g[1.502,0.232]
1/1 [=====] - 0s 73ms/step
>2565, dr[0.296,0.351], df[0.426,0.229], g[1.689,0.156]
1/1 [=====] - 0s 86ms/step
>2566, dr[0.383,0.787], df[0.571,0.264], g[1.979,0.147]
1/1 [=====] - 0s 71ms/step
>2567, dr[0.377,0.330], df[0.289,0.156], g[1.941,0.304]
1/1 [=====] - 0s 79ms/step
>2568, dr[0.395,0.482], df[0.326,0.244], g[1.990,0.177]
1/1 [=====] - 0s 73ms/step
>2569, dr[0.529,0.650], df[0.480,0.348], g[1.568,0.093]
1/1 [=====] - 0s 77ms/step
>2570, dr[0.292,0.446], df[0.432,0.150], g[1.514,0.080]
1/1 [=====] - 0s 71ms/step
>2571, dr[0.451,0.415], df[0.426,0.192], g[1.535,0.243]
1/1 [=====] - 0s 72ms/step
>2572, dr[0.335,0.280], df[0.356,0.076], g[1.596,0.197]
1/1 [=====] - 0s 71ms/step
>2573, dr[0.601,0.754], df[0.507,0.144], g[1.481,0.277]
1/1 [=====] - 0s 71ms/step
>2574, dr[0.464,0.193], df[0.724,0.240], g[1.439,0.212]
1/1 [=====] - 0s 71ms/step
>2575, dr[0.665,0.560], df[0.438,0.103], g[1.618,0.201]
1/1 [=====] - 0s 77ms/step
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>2576, dr[0.329,0.469], df[0.533,0.155], g[2.209,0.141]
1/1 [=====] - 0s 75ms/step
>2577, dr[0.662,0.745], df[0.663,0.177], g[2.064,0.161]
1/1 [=====] - 0s 96ms/step
>2578, dr[0.351,0.229], df[0.399,0.138], g[1.961,0.187]
1/1 [=====] - 0s 77ms/step
>2579, dr[0.436,0.316], df[0.327,0.114], g[1.603,0.182]
1/1 [=====] - 0s 70ms/step
>2580, dr[0.542,0.853], df[0.503,0.058], g[1.881,0.264]
1/1 [=====] - 0s 74ms/step
>2581, dr[0.405,0.395], df[0.367,0.322], g[1.875,0.105]
1/1 [=====] - 0s 71ms/step
>2582, dr[0.253,0.419], df[0.354,0.038], g[1.961,0.073]
1/1 [=====] - 0s 74ms/step
>2583, dr[0.338,0.754], df[0.290,0.292], g[1.686,0.231]
1/1 [=====] - 0s 72ms/step
>2584, dr[0.424,0.430], df[0.477,0.272], g[1.815,0.233]
1/1 [=====] - 0s 74ms/step
>2585, dr[0.718,0.668], df[0.510,0.096], g[1.669,0.172]
1/1 [=====] - 0s 74ms/step
>2586, dr[0.531,0.755], df[0.473,0.092], g[1.728,0.127]
1/1 [=====] - 0s 72ms/step
>2587, dr[0.395,0.615], df[0.436,0.150], g[1.670,0.183]
1/1 [=====] - 0s 80ms/step
>2588, dr[0.568,0.546], df[0.632,0.366], g[1.409,0.348]
1/1 [=====] - 0s 73ms/step
>2589, dr[0.453,0.560], df[0.707,0.074], g[1.733,0.173]
1/1 [=====] - 0s 77ms/step
>2590, dr[0.516,0.616], df[0.486,0.318], g[1.915,0.155]
1/1 [=====] - 0s 70ms/step
>2591, dr[0.507,0.377], df[0.422,0.144], g[1.568,0.136]
1/1 [=====] - 0s 78ms/step
>2592, dr[0.361,0.583], df[0.507,0.481], g[1.985,0.097]
1/1 [=====] - 0s 71ms/step
>2593, dr[0.429,0.680], df[0.311,0.104], g[1.774,0.242]
1/1 [=====] - 0s 75ms/step
>2594, dr[0.435,0.724], df[0.424,0.153], g[1.512,0.123]
1/1 [=====] - 0s 74ms/step
>2595, dr[0.494,0.313], df[0.413,0.209], g[1.649,0.094]
1/1 [=====] - 0s 76ms/step
>2596, dr[0.502,1.070], df[0.607,0.059], g[2.038,0.209]
1/1 [=====] - 0s 73ms/step
>2597, dr[0.570,0.768], df[0.296,0.111], g[1.213,0.369]
1/1 [=====] - 0s 75ms/step
>2598, dr[0.350,0.549], df[0.505,0.099], g[1.759,0.188]
1/1 [=====] - 0s 76ms/step
>2599, dr[0.289,0.372], df[0.428,0.434], g[1.871,0.258]
1/1 [=====] - 0s 83ms/step
>2600, dr[0.700,0.755], df[0.483,0.127], g[1.938,0.158]
1/1 [=====] - 0s 77ms/step
>2601, dr[0.539,0.765], df[0.583,0.129], g[1.716,0.177]
1/1 [=====] - 0s 71ms/step
>2602, dr[0.330,0.247], df[0.431,0.107], g[1.701,0.238]
1/1 [=====] - 0s 77ms/step
>2603, dr[0.708,0.933], df[0.429,0.156], g[1.650,0.190]
1/1 [=====] - 0s 70ms/step
>2604, dr[0.413,0.384], df[0.523,0.289], g[1.423,0.142]
1/1 [=====] - 0s 75ms/step
>2605, dr[0.378,0.352], df[0.557,0.519], g[1.718,0.196]
1/1 [=====] - 0s 71ms/step
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>2606, dr[0.522,1.179], df[0.882,0.107], g[1.775,0.177]
1/1 [=====] - 0s 73ms/step
>2607, dr[0.503,0.484], df[0.300,0.178], g[1.825,0.378]
1/1 [=====] - 0s 71ms/step
>2608, dr[0.488,0.748], df[0.400,0.079], g[1.729,0.132]
1/1 [=====] - 0s 71ms/step
>2609, dr[0.393,0.846], df[0.365,0.153], g[1.837,0.084]
1/1 [=====] - 0s 81ms/step
>2610, dr[0.493,0.761], df[0.583,0.208], g[1.899,0.175]
1/1 [=====] - 0s 84ms/step
>2611, dr[0.543,0.963], df[0.496,0.186], g[1.744,0.090]
1/1 [=====] - 0s 77ms/step
>2612, dr[0.550,0.639], df[0.742,0.234], g[1.800,0.257]
1/1 [=====] - 0s 74ms/step
>2613, dr[0.694,0.515], df[0.486,0.335], g[1.673,0.213]
1/1 [=====] - 0s 76ms/step
>2614, dr[0.282,0.356], df[0.454,0.081], g[1.836,0.261]
1/1 [=====] - 0s 75ms/step
>2615, dr[0.485,0.888], df[0.453,0.117], g[1.989,0.083]
1/1 [=====] - 0s 78ms/step
>2616, dr[0.470,0.451], df[0.338,0.135], g[1.536,0.129]
1/1 [=====] - 0s 72ms/step
>2617, dr[0.322,0.720], df[0.404,0.326], g[1.485,0.221]
1/1 [=====] - 0s 72ms/step
>2618, dr[0.539,0.588], df[0.346,0.175], g[1.359,0.229]
1/1 [=====] - 0s 71ms/step
>2619, dr[0.287,0.662], df[0.754,0.131], g[1.971,0.216]
1/1 [=====] - 0s 70ms/step
>2620, dr[0.547,0.418], df[0.275,0.231], g[1.850,0.249]
1/1 [=====] - 0s 75ms/step
>2621, dr[0.674,0.415], df[0.339,0.109], g[1.584,0.145]
1/1 [=====] - 0s 71ms/step
>2622, dr[0.416,0.786], df[0.886,0.288], g[1.787,0.121]
1/1 [=====] - 0s 83ms/step
>2623, dr[0.411,0.678], df[0.246,0.195], g[1.875,0.166]
1/1 [=====] - 0s 70ms/step
>2624, dr[0.384,0.704], df[0.245,0.083], g[1.507,0.144]
1/1 [=====] - 0s 78ms/step
>2625, dr[0.383,0.379], df[0.567,0.096], g[1.610,0.122]
1/1 [=====] - 0s 70ms/step
>2626, dr[0.303,0.757], df[0.440,0.218], g[1.721,0.329]
1/1 [=====] - 0s 77ms/step
>2627, dr[0.353,0.527], df[0.519,0.327], g[1.990,0.107]
1/1 [=====] - 0s 76ms/step
>2628, dr[0.835,0.520], df[0.389,0.198], g[1.272,0.251]
1/1 [=====] - 0s 77ms/step
>2629, dr[0.431,0.470], df[0.282,0.128], g[1.255,0.229]
1/1 [=====] - 0s 73ms/step
>2630, dr[0.408,0.418], df[0.718,0.214], g[1.368,0.117]
1/1 [=====] - 0s 84ms/step
>2631, dr[0.267,0.306], df[0.460,0.279], g[1.992,0.122]
1/1 [=====] - 0s 76ms/step
>2632, dr[0.385,0.479], df[0.439,0.657], g[1.999,0.153]
1/1 [=====] - 0s 79ms/step
>2633, dr[0.635,0.358], df[0.315,0.175], g[1.660,0.199]
1/1 [=====] - 0s 81ms/step
>2634, dr[0.501,0.210], df[0.513,0.254], g[1.392,0.130]
1/1 [=====] - 0s 72ms/step
>2635, dr[0.447,0.451], df[0.684,0.151], g[1.457,0.155]
1/1 [=====] - 0s 79ms/step
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>2636, dr[0.497,0.650], df[0.572,0.168], g[1.665,0.212]
1/1 [=====] - 0s 72ms/step
>2637, dr[0.468,0.228], df[0.487,0.286], g[2.008,0.118]
1/1 [=====] - 0s 80ms/step
>2638, dr[0.523,0.602], df[0.361,0.252], g[1.779,0.137]
1/1 [=====] - 0s 72ms/step
>2639, dr[0.408,0.654], df[0.392,0.159], g[1.652,0.187]
1/1 [=====] - 0s 79ms/step
>2640, dr[0.465,0.519], df[0.517,0.156], g[1.605,0.250]
1/1 [=====] - 0s 73ms/step
>2641, dr[0.405,0.326], df[0.374,0.144], g[1.398,0.211]
1/1 [=====] - 0s 85ms/step
>2642, dr[0.398,0.840], df[0.614,0.230], g[1.589,0.107]
1/1 [=====] - 0s 77ms/step
>2643, dr[0.374,0.872], df[0.489,0.286], g[1.572,0.170]
1/1 [=====] - 0s 71ms/step
>2644, dr[0.636,0.369], df[0.668,0.252], g[1.657,0.161]
1/1 [=====] - 0s 80ms/step
>2645, dr[0.515,0.770], df[0.553,0.300], g[1.588,0.186]
1/1 [=====] - 0s 72ms/step
>2646, dr[0.618,0.393], df[0.487,0.077], g[1.527,0.102]
1/1 [=====] - 0s 75ms/step
>2647, dr[0.312,0.465], df[0.432,0.171], g[1.640,0.143]
1/1 [=====] - 0s 74ms/step
>2648, dr[0.613,0.971], df[0.639,0.179], g[1.688,0.182]
1/1 [=====] - 0s 73ms/step
>2649, dr[0.391,0.440], df[0.612,0.144], g[1.678,0.123]
1/1 [=====] - 0s 74ms/step
>2650, dr[0.485,0.279], df[0.391,0.120], g[1.706,0.157]
1/1 [=====] - 0s 75ms/step
>2651, dr[0.537,0.830], df[0.557,0.152], g[1.704,0.129]
1/1 [=====] - 0s 73ms/step
>2652, dr[0.630,0.556], df[0.456,0.084], g[1.426,0.116]
1/1 [=====] - 0s 72ms/step
>2653, dr[0.328,0.480], df[0.686,0.269], g[1.940,0.176]
1/1 [=====] - 0s 78ms/step
>2654, dr[0.522,0.216], df[0.409,0.342], g[1.976,0.266]
1/1 [=====] - 0s 73ms/step
>2655, dr[0.652,0.502], df[0.625,0.164], g[1.685,0.174]
1/1 [=====] - 0s 79ms/step
>2656, dr[0.524,0.714], df[0.477,0.053], g[1.836,0.216]
1/1 [=====] - 0s 73ms/step
>2657, dr[0.482,0.431], df[0.523,0.302], g[1.598,0.125]
1/1 [=====] - 0s 80ms/step
>2658, dr[0.625,0.423], df[0.600,0.253], g[1.776,0.276]
1/1 [=====] - 0s 74ms/step
>2659, dr[0.432,0.514], df[0.318,0.168], g[1.754,0.155]
1/1 [=====] - 0s 77ms/step
>2660, dr[0.350,0.295], df[0.477,0.129], g[2.002,0.059]
1/1 [=====] - 0s 80ms/step
>2661, dr[0.263,0.457], df[0.430,0.203], g[1.681,0.176]
1/1 [=====] - 0s 73ms/step
>2662, dr[0.647,0.277], df[0.384,0.071], g[2.170,0.111]
1/1 [=====] - 0s 85ms/step
>2663, dr[0.592,0.425], df[0.440,0.275], g[1.507,0.116]
1/1 [=====] - 0s 71ms/step
>2664, dr[0.469,0.901], df[0.920,0.241], g[1.534,0.148]
1/1 [=====] - 0s 76ms/step
>2665, dr[0.473,0.457], df[0.679,0.268], g[2.238,0.154]
1/1 [=====] - 0s 71ms/step
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>2666, dr[0.650,0.748], df[0.616,0.301], g[1.916,0.201]
1/1 [=====] - 0s 77ms/step
>2667, dr[0.744,0.812], df[0.589,0.108], g[1.789,0.224]
1/1 [=====] - 0s 75ms/step
>2668, dr[0.354,0.747], df[0.382,0.085], g[2.025,0.113]
1/1 [=====] - 0s 75ms/step
>2669, dr[0.305,0.507], df[0.317,0.198], g[1.636,0.254]
1/1 [=====] - 0s 72ms/step
>2670, dr[0.846,0.571], df[0.324,0.134], g[1.294,0.136]
1/1 [=====] - 0s 71ms/step
>2671, dr[0.442,0.527], df[0.930,0.184], g[1.271,0.231]
1/1 [=====] - 0s 76ms/step
>2672, dr[0.393,0.806], df[0.458,0.227], g[1.729,0.113]
1/1 [=====] - 0s 80ms/step
>2673, dr[0.511,0.779], df[0.352,0.098], g[1.553,0.226]
1/1 [=====] - 0s 78ms/step
>2674, dr[0.469,1.163], df[0.676,0.260], g[1.806,0.144]
1/1 [=====] - 0s 72ms/step
>2675, dr[0.326,0.290], df[0.294,0.257], g[2.040,0.170]
1/1 [=====] - 0s 78ms/step
>2676, dr[0.792,0.478], df[0.368,0.132], g[1.452,0.194]
1/1 [=====] - 0s 76ms/step
>2677, dr[0.316,0.458], df[0.427,0.174], g[1.455,0.193]
1/1 [=====] - 0s 73ms/step
>2678, dr[0.445,0.458], df[0.822,0.186], g[1.696,0.204]
1/1 [=====] - 0s 74ms/step
>2679, dr[0.512,0.564], df[0.418,0.274], g[1.801,0.198]
1/1 [=====] - 0s 75ms/step
>2680, dr[0.891,1.400], df[0.510,0.152], g[1.339,0.108]
1/1 [=====] - 0s 72ms/step
>2681, dr[0.287,0.507], df[0.795,0.051], g[1.650,0.135]
1/1 [=====] - 0s 72ms/step
>2682, dr[0.382,0.559], df[0.206,0.168], g[1.978,0.193]
1/1 [=====] - 0s 79ms/step
>2683, dr[0.582,0.389], df[0.338,0.051], g[1.161,0.147]
1/1 [=====] - 0s 71ms/step
>2684, dr[0.432,0.316], df[0.808,0.120], g[1.672,0.099]
1/1 [=====] - 0s 77ms/step
>2685, dr[0.397,0.313], df[0.566,0.211], g[2.148,0.148]
1/1 [=====] - 0s 73ms/step
>2686, dr[0.281,0.624], df[0.341,0.236], g[2.421,0.159]
1/1 [=====] - 0s 78ms/step
>2687, dr[0.624,0.702], df[0.428,0.254], g[2.067,0.226]
1/1 [=====] - 0s 73ms/step
>2688, dr[0.499,0.670], df[0.382,0.237], g[1.982,0.188]
1/1 [=====] - 0s 75ms/step
>2689, dr[0.712,0.513], df[0.558,0.119], g[1.393,0.199]
1/1 [=====] - 0s 71ms/step
>2690, dr[0.348,0.602], df[0.307,0.124], g[1.591,0.164]
1/1 [=====] - 0s 73ms/step
>2691, dr[0.296,0.723], df[0.590,0.252], g[1.706,0.184]
1/1 [=====] - 0s 73ms/step
>2692, dr[0.499,0.367], df[0.436,0.095], g[1.603,0.226]
1/1 [=====] - 0s 81ms/step
>2693, dr[0.376,0.832], df[0.541,0.296], g[1.642,0.188]
1/1 [=====] - 0s 75ms/step
>2694, dr[0.421,0.839], df[0.299,0.105], g[1.746,0.085]
1/1 [=====] - 0s 76ms/step
>2695, dr[0.589,0.370], df[0.713,0.217], g[2.007,0.144]
1/1 [=====] - 0s 78ms/step
```

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>2696, dr[0.435,0.776], df[0.308,0.099], g[1.722,0.106]
1/1 [=====] - 0s 77ms/step
>2697, dr[0.491,0.507], df[0.572,0.037], g[1.605,0.126]
1/1 [=====] - 0s 92ms/step
>2698, dr[0.267,0.330], df[0.324,0.149], g[1.800,0.153]
1/1 [=====] - 0s 86ms/step
>2699, dr[0.418,0.527], df[0.531,0.069], g[1.784,0.103]
1/1 [=====] - 0s 77ms/step
>2700, dr[0.479,0.517], df[0.438,0.241], g[1.939,0.108]
1/1 [=====] - 0s 84ms/step
>2701, dr[0.473,0.342], df[0.577,0.132], g[1.690,0.183]
1/1 [=====] - 0s 80ms/step
>2702, dr[0.619,0.513], df[0.451,0.117], g[1.456,0.191]
1/1 [=====] - 0s 76ms/step
>2703, dr[0.484,0.407], df[0.574,0.116], g[1.389,0.149]
1/1 [=====] - 0s 90ms/step
>2704, dr[0.349,0.453], df[0.388,0.068], g[1.443,0.122]
1/1 [=====] - 0s 81ms/step
>2705, dr[0.400,0.729], df[0.449,0.203], g[1.568,0.231]
1/1 [=====] - 0s 85ms/step
>2706, dr[0.436,0.465], df[0.634,0.080], g[1.859,0.091]
1/1 [=====] - 0s 79ms/step
>2707, dr[0.565,0.552], df[0.419,0.128], g[2.070,0.147]
1/1 [=====] - 0s 77ms/step
>2708, dr[0.519,0.438], df[0.564,0.188], g[1.650,0.156]
1/1 [=====] - 0s 76ms/step
>2709, dr[0.355,0.756], df[0.571,0.186], g[2.018,0.129]
1/1 [=====] - 0s 74ms/step
>2710, dr[0.531,0.296], df[0.357,0.150], g[2.083,0.117]
1/1 [=====] - 0s 74ms/step
>2711, dr[0.539,0.648], df[0.568,0.134], g[1.741,0.203]
1/1 [=====] - 0s 73ms/step
>2712, dr[0.526,0.847], df[0.420,0.126], g[1.674,0.089]
1/1 [=====] - 0s 74ms/step
>2713, dr[0.318,0.396], df[0.413,0.094], g[1.619,0.145]
1/1 [=====] - 0s 83ms/step
>2714, dr[0.495,0.789], df[0.329,0.086], g[1.476,0.112]
1/1 [=====] - 0s 74ms/step
>2715, dr[0.355,0.400], df[0.840,0.431], g[1.701,0.110]
1/1 [=====] - 0s 109ms/step
>2716, dr[0.403,0.554], df[0.374,0.088], g[2.167,0.160]
1/1 [=====] - 0s 73ms/step
>2717, dr[0.651,0.826], df[0.689,0.279], g[1.829,0.156]
1/1 [=====] - 0s 78ms/step
>2718, dr[0.429,0.440], df[0.358,0.146], g[1.867,0.169]
1/1 [=====] - 0s 71ms/step
>2719, dr[0.732,0.419], df[0.485,0.165], g[1.350,0.335]
1/1 [=====] - 0s 73ms/step
>2720, dr[0.474,0.402], df[0.477,0.234], g[1.560,0.077]
1/1 [=====] - 0s 73ms/step
>2721, dr[0.441,0.340], df[0.544,0.184], g[1.524,0.153]
1/1 [=====] - 0s 74ms/step
>2722, dr[0.569,0.699], df[0.560,0.391], g[1.358,0.124]
1/1 [=====] - 0s 79ms/step
>2723, dr[0.491,0.812], df[0.432,0.321], g[1.676,0.131]
1/1 [=====] - 0s 72ms/step
>2724, dr[0.315,0.412], df[0.572,0.091], g[1.579,0.177]
1/1 [=====] - 0s 78ms/step
>2725, dr[0.392,0.548], df[0.528,0.208], g[2.091,0.163]
1/1 [=====] - 0s 73ms/step
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>2726, dr[0.526,0.396], df[0.413,0.115], g[1.736,0.171]
1/1 [=====] - 0s 81ms/step
>2727, dr[0.397,0.340], df[0.413,0.106], g[1.601,0.100]
1/1 [=====] - 0s 74ms/step
>2728, dr[0.444,0.396], df[0.375,0.135], g[1.851,0.131]
1/1 [=====] - 0s 72ms/step
>2729, dr[0.538,0.349], df[0.546,0.178], g[1.574,0.315]
1/1 [=====] - 0s 78ms/step
>2730, dr[0.542,0.508], df[0.561,0.112], g[1.789,0.191]
1/1 [=====] - 0s 75ms/step
>2731, dr[0.486,0.799], df[0.308,0.028], g[1.408,0.113]
1/1 [=====] - 0s 76ms/step
>2732, dr[0.395,0.433], df[0.504,0.092], g[1.522,0.167]
1/1 [=====] - 0s 72ms/step
>2733, dr[0.404,0.327], df[0.479,0.397], g[1.579,0.122]
1/1 [=====] - 0s 84ms/step
>2734, dr[0.402,0.603], df[0.343,0.081], g[1.614,0.136]
1/1 [=====] - 0s 76ms/step
>2735, dr[0.442,0.523], df[0.487,0.284], g[1.368,0.141]
1/1 [=====] - 0s 84ms/step
>2736, dr[0.366,0.513], df[0.347,0.293], g[1.430,0.179]
1/1 [=====] - 0s 72ms/step
>2737, dr[0.499,0.384], df[0.336,0.108], g[1.334,0.189]
1/1 [=====] - 0s 77ms/step
>2738, dr[0.251,0.817], df[0.574,0.109], g[1.366,0.278]
1/1 [=====] - 0s 80ms/step
>2739, dr[0.329,0.829], df[0.362,0.206], g[1.846,0.093]
1/1 [=====] - 0s 79ms/step
>2740, dr[0.565,0.635], df[0.488,0.132], g[1.833,0.402]
1/1 [=====] - 0s 71ms/step
>2741, dr[0.437,0.456], df[0.262,0.073], g[1.613,0.175]
1/1 [=====] - 0s 71ms/step
>2742, dr[0.284,0.674], df[0.488,0.228], g[1.980,0.090]
1/1 [=====] - 0s 78ms/step
>2743, dr[0.375,0.655], df[0.443,0.191], g[1.457,0.253]
1/1 [=====] - 0s 75ms/step
>2744, dr[0.401,0.415], df[0.524,0.065], g[1.486,0.260]
1/1 [=====] - 0s 79ms/step
>2745, dr[0.588,0.798], df[0.311,0.102], g[1.561,0.190]
1/1 [=====] - 0s 74ms/step
>2746, dr[0.528,0.233], df[0.476,0.256], g[1.396,0.172]
1/1 [=====] - 0s 76ms/step
>2747, dr[0.369,0.394], df[0.473,0.207], g[1.619,0.122]
1/1 [=====] - 0s 77ms/step
>2748, dr[0.402,0.322], df[0.572,0.172], g[1.925,0.135]
1/1 [=====] - 0s 79ms/step
>2749, dr[0.472,0.752], df[0.295,0.027], g[1.647,0.157]
1/1 [=====] - 0s 74ms/step
>2750, dr[0.481,0.281], df[0.518,0.231], g[1.674,0.118]
1/1 [=====] - 0s 96ms/step
>2751, dr[0.506,0.548], df[0.465,0.117], g[1.904,0.298]
1/1 [=====] - 0s 88ms/step
>2752, dr[0.569,0.416], df[0.628,0.073], g[1.582,0.264]
1/1 [=====] - 0s 78ms/step
>2753, dr[0.612,0.434], df[0.468,0.094], g[1.704,0.236]
1/1 [=====] - 0s 79ms/step
>2754, dr[0.244,0.459], df[0.463,0.143], g[1.714,0.155]
1/1 [=====] - 0s 72ms/step
>2755, dr[0.610,0.596], df[0.494,0.119], g[1.710,0.251]
1/1 [=====] - 0s 87ms/step
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>2756, dr[0.772,0.624], df[0.610,0.180], g[1.684,0.238]
1/1 [=====] - 0s 82ms/step
>2757, dr[0.295,0.446], df[0.435,0.319], g[1.599,0.127]
1/1 [=====] - 0s 83ms/step
>2758, dr[0.310,0.681], df[0.321,0.122], g[1.826,0.161]
1/1 [=====] - 0s 76ms/step
>2759, dr[0.512,0.579], df[0.770,0.202], g[1.776,0.192]
1/1 [=====] - 0s 72ms/step
>2760, dr[0.538,0.755], df[0.438,0.193], g[1.786,0.199]
1/1 [=====] - 0s 74ms/step
>2761, dr[0.714,0.526], df[0.386,0.055], g[1.401,0.141]
1/1 [=====] - 0s 76ms/step
>2762, dr[0.479,0.426], df[0.593,0.183], g[1.659,0.072]
1/1 [=====] - 0s 71ms/step
>2763, dr[0.439,0.540], df[0.619,0.154], g[1.726,0.142]
1/1 [=====] - 0s 77ms/step
>2764, dr[0.508,0.322], df[0.286,0.164], g[1.630,0.179]
1/1 [=====] - 0s 81ms/step
>2765, dr[0.592,0.600], df[0.462,0.084], g[1.263,0.150]
1/1 [=====] - 0s 81ms/step
>2766, dr[0.268,0.442], df[0.475,0.067], g[1.400,0.135]
1/1 [=====] - 0s 76ms/step
>2767, dr[0.480,0.612], df[0.731,0.226], g[1.901,0.070]
1/1 [=====] - 0s 86ms/step
>2768, dr[0.514,0.543], df[0.281,0.044], g[1.871,0.198]
1/1 [=====] - 0s 82ms/step
>2769, dr[0.547,0.374], df[0.537,0.367], g[1.561,0.244]
1/1 [=====] - 0s 74ms/step
>2770, dr[0.352,0.479], df[0.737,0.191], g[1.992,0.147]
1/1 [=====] - 0s 79ms/step
>2771, dr[0.629,0.609], df[0.465,0.132], g[1.970,0.113]
1/1 [=====] - 0s 71ms/step
>2772, dr[0.543,0.447], df[0.323,0.111], g[1.368,0.170]
1/1 [=====] - 0s 79ms/step
>2773, dr[0.330,0.384], df[0.546,0.131], g[1.460,0.206]
1/1 [=====] - 0s 84ms/step
>2774, dr[0.439,0.521], df[0.435,0.354], g[1.680,0.237]
1/1 [=====] - 0s 83ms/step
>2775, dr[0.422,0.722], df[0.458,0.243], g[1.456,0.259]
1/1 [=====] - 0s 83ms/step
>2776, dr[0.436,0.400], df[0.558,0.144], g[1.913,0.243]
1/1 [=====] - 0s 80ms/step
>2777, dr[0.439,0.420], df[0.591,0.306], g[1.683,0.119]
1/1 [=====] - 0s 77ms/step
>2778, dr[0.715,0.727], df[0.481,0.343], g[1.889,0.147]
1/1 [=====] - 0s 72ms/step
>2779, dr[0.575,0.727], df[0.392,0.186], g[1.623,0.201]
1/1 [=====] - 0s 90ms/step
>2780, dr[0.434,0.752], df[0.399,0.215], g[1.276,0.205]
1/1 [=====] - 0s 76ms/step
>2781, dr[0.453,0.393], df[0.665,0.084], g[1.828,0.090]
1/1 [=====] - 0s 76ms/step
>2782, dr[0.637,0.541], df[0.427,0.296], g[1.745,0.201]
1/1 [=====] - 0s 73ms/step
>2783, dr[0.292,0.314], df[0.549,0.290], g[1.937,0.191]
1/1 [=====] - 0s 73ms/step
>2784, dr[0.376,0.872], df[0.537,0.198], g[1.964,0.154]
1/1 [=====] - 0s 72ms/step
>2785, dr[0.520,0.412], df[0.212,0.206], g[1.893,0.120]
1/1 [=====] - 0s 74ms/step
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>2786, dr[0.293,0.582], df[0.493,0.171], g[1.944,0.248]
1/1 [=====] - 0s 77ms/step
>2787, dr[0.616,0.196], df[0.646,0.233], g[2.051,0.135]
1/1 [=====] - 0s 77ms/step
>2788, dr[0.588,0.722], df[0.332,0.301], g[1.726,0.211]
1/1 [=====] - 0s 83ms/step
>2789, dr[0.460,0.509], df[0.681,0.281], g[1.514,0.224]
1/1 [=====] - 0s 76ms/step
>2790, dr[0.450,0.660], df[0.506,0.236], g[1.721,0.250]
1/1 [=====] - 0s 78ms/step
>2791, dr[0.533,0.601], df[0.489,0.170], g[1.548,0.196]
1/1 [=====] - 0s 77ms/step
>2792, dr[0.396,0.601], df[0.469,0.185], g[1.540,0.227]
1/1 [=====] - 0s 78ms/step
>2793, dr[0.602,0.415], df[0.538,0.283], g[1.771,0.173]
1/1 [=====] - 0s 76ms/step
>2794, dr[0.496,0.458], df[0.307,0.157], g[1.502,0.124]
1/1 [=====] - 0s 72ms/step
>2795, dr[0.348,0.674], df[0.451,0.225], g[1.456,0.217]
1/1 [=====] - 0s 77ms/step
>2796, dr[0.328,0.600], df[0.482,0.114], g[1.499,0.182]
1/1 [=====] - 0s 73ms/step
>2797, dr[0.418,0.339], df[0.271,0.124], g[1.592,0.144]
1/1 [=====] - 0s 78ms/step
>2798, dr[0.322,0.232], df[0.328,0.060], g[1.708,0.262]
1/1 [=====] - 0s 74ms/step
>2799, dr[0.512,0.620], df[0.627,0.120], g[1.447,0.214]
1/1 [=====] - 0s 76ms/step
>2800, dr[0.392,0.243], df[0.470,0.344], g[1.945,0.291]
1/1 [=====] - 0s 71ms/step
>2801, dr[0.483,0.490], df[0.374,0.187], g[1.599,0.142]
1/1 [=====] - 0s 76ms/step
>2802, dr[0.442,0.400], df[0.356,0.199], g[1.582,0.098]
1/1 [=====] - 0s 73ms/step
>2803, dr[0.403,0.376], df[0.644,0.317], g[2.052,0.082]
1/1 [=====] - 0s 72ms/step
>2804, dr[0.925,0.436], df[0.492,0.202], g[1.188,0.183]
1/1 [=====] - 0s 77ms/step
>2805, dr[0.301,0.285], df[0.457,0.102], g[1.624,0.175]
1/1 [=====] - 0s 74ms/step
>2806, dr[0.600,0.387], df[0.474,0.250], g[1.382,0.097]
1/1 [=====] - 0s 74ms/step
>2807, dr[0.397,0.577], df[0.559,0.165], g[1.624,0.126]
1/1 [=====] - 0s 79ms/step
>2808, dr[0.588,0.812], df[0.474,0.186], g[1.391,0.224]
1/1 [=====] - 0s 77ms/step
>2809, dr[0.570,0.449], df[0.609,0.368], g[1.431,0.143]
1/1 [=====] - 0s 72ms/step
>2810, dr[0.455,0.533], df[0.412,0.175], g[1.552,0.291]
1/1 [=====] - 0s 78ms/step
>2811, dr[0.572,0.460], df[0.661,0.223], g[1.835,0.229]
4/4 [=====] - 0s 45ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 78ms/step
>2812, dr[0.739,1.112], df[0.503,0.163], g[1.637,0.211]
1/1 [=====] - 0s 82ms/step
>2813, dr[0.405,0.489], df[0.366,0.148], g[1.367,0.094]
1/1 [=====] - 0s 85ms/step

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>2814, dr[0.324,0.794], df[0.536,0.150], g[1.295,0.158]
1/1 [=====] - 0s 78ms/step
>2815, dr[0.532,0.750], df[0.638,0.127], g[1.625,0.088]
1/1 [=====] - 0s 90ms/step
>2816, dr[0.402,0.599], df[0.436,0.046], g[1.587,0.207]
1/1 [=====] - 0s 117ms/step
>2817, dr[0.493,0.461], df[0.381,0.150], g[1.721,0.166]
1/1 [=====] - 0s 92ms/step
>2818, dr[0.614,0.398], df[0.520,0.101], g[1.677,0.208]
1/1 [=====] - 0s 94ms/step
>2819, dr[0.403,0.347], df[0.680,0.076], g[1.730,0.225]
1/1 [=====] - 0s 82ms/step
>2820, dr[0.479,0.535], df[0.420,0.167], g[1.973,0.176]
1/1 [=====] - 0s 83ms/step
>2821, dr[0.703,0.456], df[0.497,0.146], g[1.725,0.204]
1/1 [=====] - 0s 84ms/step
>2822, dr[0.499,0.633], df[0.459,0.118], g[1.693,0.134]
1/1 [=====] - 0s 74ms/step
>2823, dr[0.546,0.417], df[0.727,0.131], g[1.418,0.290]
1/1 [=====] - 0s 81ms/step
>2824, dr[0.405,0.348], df[0.490,0.194], g[1.795,0.062]
1/1 [=====] - 0s 80ms/step
>2825, dr[0.626,0.459], df[0.455,0.155], g[1.996,0.118]
1/1 [=====] - 0s 91ms/step
>2826, dr[0.317,0.469], df[0.395,0.148], g[1.538,0.235]
1/1 [=====] - 0s 74ms/step
>2827, dr[0.407,0.565], df[0.560,0.167], g[1.746,0.069]
1/1 [=====] - 0s 81ms/step
>2828, dr[0.505,0.345], df[0.547,0.130], g[1.592,0.216]
1/1 [=====] - 0s 78ms/step
>2829, dr[0.643,0.440], df[0.410,0.138], g[1.659,0.198]
1/1 [=====] - 0s 74ms/step
>2830, dr[0.546,0.679], df[0.463,0.156], g[1.367,0.194]
1/1 [=====] - 0s 79ms/step
>2831, dr[0.393,0.422], df[0.528,0.073], g[1.582,0.112]
1/1 [=====] - 0s 74ms/step
>2832, dr[0.461,0.342], df[0.421,0.217], g[1.745,0.157]
1/1 [=====] - 0s 79ms/step
>2833, dr[0.504,0.492], df[0.457,0.153], g[1.618,0.086]
1/1 [=====] - 0s 73ms/step
>2834, dr[0.376,0.435], df[0.620,0.078], g[1.767,0.171]
1/1 [=====] - 0s 76ms/step
>2835, dr[0.496,0.268], df[0.555,0.241], g[2.109,0.216]
1/1 [=====] - 0s 73ms/step
>2836, dr[0.572,0.520], df[0.445,0.162], g[2.021,0.130]
1/1 [=====] - 0s 75ms/step
>2837, dr[0.543,0.352], df[0.297,0.246], g[1.435,0.174]
1/1 [=====] - 0s 74ms/step
>2838, dr[0.600,0.437], df[0.626,0.199], g[1.674,0.108]
1/1 [=====] - 0s 75ms/step
>2839, dr[0.489,0.534], df[0.498,0.221], g[1.350,0.146]
1/1 [=====] - 0s 75ms/step
>2840, dr[0.429,0.957], df[0.608,0.109], g[1.713,0.229]
1/1 [=====] - 0s 71ms/step
>2841, dr[0.364,0.512], df[0.418,0.356], g[1.923,0.160]
1/1 [=====] - 0s 78ms/step
>2842, dr[0.434,0.414], df[0.474,0.446], g[2.083,0.149]
1/1 [=====] - 0s 72ms/step
>2843, dr[0.608,0.349], df[0.449,0.270], g[1.701,0.103]
1/1 [=====] - 0s 80ms/step
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>2844, dr[0.515,0.632], df[0.487,0.061], g[1.791,0.207]
1/1 [=====] - 0s 75ms/step
>2845, dr[0.415,0.177], df[0.316,0.140], g[1.243,0.277]
1/1 [=====] - 0s 80ms/step
>2846, dr[0.669,0.646], df[0.690,0.223], g[1.450,0.180]
1/1 [=====] - 0s 73ms/step
>2847, dr[0.288,0.927], df[0.456,0.173], g[1.639,0.206]
1/1 [=====] - 0s 82ms/step
>2848, dr[0.486,0.722], df[0.485,0.143], g[1.674,0.120]
1/1 [=====] - 0s 72ms/step
>2849, dr[0.553,0.420], df[0.306,0.064], g[1.785,0.140]
1/1 [=====] - 0s 79ms/step
>2850, dr[0.498,0.499], df[0.611,0.275], g[1.759,0.161]
1/1 [=====] - 0s 73ms/step
>2851, dr[0.434,0.311], df[0.291,0.037], g[1.636,0.137]
1/1 [=====] - 0s 75ms/step
>2852, dr[0.400,0.542], df[0.424,0.094], g[1.511,0.289]
1/1 [=====] - 0s 78ms/step
>2853, dr[0.470,0.772], df[0.513,0.090], g[1.780,0.172]
1/1 [=====] - 0s 71ms/step
>2854, dr[0.421,0.449], df[0.452,0.145], g[1.596,0.312]
1/1 [=====] - 0s 77ms/step
>2855, dr[0.461,0.699], df[0.470,0.184], g[1.733,0.171]
1/1 [=====] - 0s 83ms/step
>2856, dr[0.573,0.426], df[0.487,0.207], g[1.471,0.201]
1/1 [=====] - 0s 80ms/step
>2857, dr[0.434,0.579], df[0.394,0.171], g[1.833,0.064]
1/1 [=====] - 0s 75ms/step
>2858, dr[0.723,0.661], df[0.625,0.085], g[1.464,0.222]
1/1 [=====] - 0s 76ms/step
>2859, dr[0.352,0.479], df[0.603,0.080], g[1.502,0.386]
1/1 [=====] - 0s 74ms/step
>2860, dr[0.375,0.809], df[0.390,0.065], g[1.744,0.051]
1/1 [=====] - 0s 74ms/step
>2861, dr[0.517,0.539], df[0.539,0.260], g[1.761,0.190]
1/1 [=====] - 0s 75ms/step
>2862, dr[0.438,0.712], df[0.620,0.277], g[1.845,0.140]
1/1 [=====] - 0s 79ms/step
>2863, dr[0.557,0.591], df[0.337,0.077], g[1.512,0.208]
1/1 [=====] - 0s 83ms/step
>2864, dr[0.366,0.643], df[0.519,0.138], g[1.821,0.147]
1/1 [=====] - 0s 71ms/step
>2865, dr[0.460,0.561], df[0.383,0.268], g[1.340,0.226]
1/1 [=====] - 0s 79ms/step
>2866, dr[0.450,0.471], df[0.614,0.332], g[1.854,0.170]
1/1 [=====] - 0s 75ms/step
>2867, dr[0.586,0.417], df[0.495,0.091], g[1.289,0.171]
1/1 [=====] - 0s 80ms/step
>2868, dr[0.562,0.363], df[0.667,0.273], g[1.678,0.229]
1/1 [=====] - 0s 72ms/step
>2869, dr[0.440,0.764], df[0.406,0.081], g[1.899,0.090]
1/1 [=====] - 0s 73ms/step
>2870, dr[0.542,0.338], df[0.531,0.113], g[1.427,0.097]
1/1 [=====] - 0s 73ms/step
>2871, dr[0.485,0.848], df[0.557,0.114], g[1.791,0.108]
1/1 [=====] - 0s 75ms/step
>2872, dr[0.372,0.232], df[0.559,0.090], g[1.678,0.136]
1/1 [=====] - 0s 72ms/step
>2873, dr[0.659,0.847], df[0.444,0.198], g[1.565,0.175]
1/1 [=====] - 0s 74ms/step
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>2874, dr[0.494,0.667], df[0.585,0.094], g[1.816,0.163]
1/1 [=====] - 0s 80ms/step
>2875, dr[0.608,1.095], df[0.536,0.118], g[1.640,0.112]
1/1 [=====] - 0s 76ms/step
>2876, dr[0.374,0.528], df[0.451,0.267], g[1.621,0.211]
1/1 [=====] - 0s 79ms/step
>2877, dr[0.594,0.250], df[0.365,0.088], g[1.358,0.239]
1/1 [=====] - 0s 73ms/step
>2878, dr[0.515,0.620], df[0.519,0.074], g[1.511,0.135]
1/1 [=====] - 0s 78ms/step
>2879, dr[0.496,0.500], df[0.742,0.161], g[1.644,0.222]
1/1 [=====] - 0s 72ms/step
>2880, dr[0.509,0.418], df[0.404,0.187], g[1.693,0.127]
1/1 [=====] - 0s 72ms/step
>2881, dr[0.421,0.970], df[0.337,0.113], g[1.689,0.141]
1/1 [=====] - 0s 74ms/step
>2882, dr[0.536,0.208], df[0.405,0.074], g[1.438,0.160]
1/1 [=====] - 0s 83ms/step
>2883, dr[0.446,0.395], df[0.490,0.147], g[1.766,0.177]
1/1 [=====] - 0s 71ms/step
>2884, dr[0.378,0.275], df[0.488,0.045], g[1.981,0.196]
1/1 [=====] - 0s 72ms/step
>2885, dr[0.577,0.662], df[0.438,0.162], g[1.826,0.102]
1/1 [=====] - 0s 81ms/step
>2886, dr[0.509,0.513], df[0.506,0.113], g[1.740,0.152]
1/1 [=====] - 0s 72ms/step
>2887, dr[0.587,0.336], df[0.497,0.276], g[1.548,0.193]
1/1 [=====] - 0s 77ms/step
>2888, dr[0.560,1.299], df[0.655,0.088], g[1.828,0.151]
1/1 [=====] - 0s 71ms/step
>2889, dr[0.337,0.425], df[0.425,0.146], g[1.796,0.124]
1/1 [=====] - 0s 82ms/step
>2890, dr[0.633,0.817], df[0.476,0.125], g[1.588,0.123]
1/1 [=====] - 0s 74ms/step
>2891, dr[0.486,0.566], df[0.472,0.023], g[1.648,0.393]
1/1 [=====] - 0s 74ms/step
>2892, dr[0.226,0.346], df[0.444,0.358], g[1.628,0.135]
1/1 [=====] - 0s 75ms/step
>2893, dr[0.327,0.694], df[0.392,0.161], g[1.860,0.156]
1/1 [=====] - 0s 72ms/step
>2894, dr[0.538,0.202], df[0.612,0.266], g[1.908,0.103]
1/1 [=====] - 0s 74ms/step
>2895, dr[0.672,1.198], df[0.272,0.097], g[1.698,0.127]
1/1 [=====] - 0s 72ms/step
>2896, dr[0.298,0.462], df[0.484,0.075], g[1.559,0.111]
1/1 [=====] - 0s 74ms/step
>2897, dr[0.380,0.270], df[0.487,0.171], g[1.760,0.309]
1/1 [=====] - 0s 76ms/step
>2898, dr[0.473,0.787], df[0.432,0.277], g[1.529,0.239]
1/1 [=====] - 0s 99ms/step
>2899, dr[0.523,0.321], df[0.701,0.405], g[1.668,0.158]
1/1 [=====] - 0s 88ms/step
>2900, dr[0.618,0.490], df[0.492,0.156], g[1.473,0.229]
1/1 [=====] - 0s 88ms/step
>2901, dr[0.365,0.539], df[0.563,0.431], g[1.710,0.175]
1/1 [=====] - 0s 93ms/step
>2902, dr[0.787,0.727], df[0.551,0.039], g[1.671,0.161]
1/1 [=====] - 0s 87ms/step
>2903, dr[0.501,0.546], df[0.475,0.183], g[1.561,0.110]
1/1 [=====] - 0s 73ms/step
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>2904, dr[0.693,0.237], df[0.650,0.297], g[1.416,0.139]
1/1 [=====] - 0s 74ms/step
>2905, dr[0.310,0.625], df[0.389,0.104], g[1.588,0.218]
1/1 [=====] - 0s 75ms/step
>2906, dr[0.565,0.594], df[0.821,0.173], g[1.988,0.207]
1/1 [=====] - 0s 79ms/step
>2907, dr[0.571,0.823], df[0.213,0.108], g[1.643,0.132]
1/1 [=====] - 0s 72ms/step
>2908, dr[0.349,1.044], df[0.490,0.125], g[1.660,0.204]
1/1 [=====] - 0s 80ms/step
>2909, dr[0.504,0.630], df[0.539,0.163], g[1.716,0.100]
1/1 [=====] - 0s 76ms/step
>2910, dr[0.746,0.899], df[0.511,0.076], g[1.293,0.162]
1/1 [=====] - 0s 79ms/step
>2911, dr[0.304,0.632], df[0.623,0.125], g[1.814,0.074]
1/1 [=====] - 0s 73ms/step
>2912, dr[0.610,0.620], df[0.621,0.261], g[2.006,0.224]
1/1 [=====] - 0s 75ms/step
>2913, dr[0.474,0.797], df[0.394,0.284], g[2.029,0.249]
1/1 [=====] - 0s 73ms/step
>2914, dr[0.652,0.938], df[0.366,0.189], g[1.515,0.170]
1/1 [=====] - 0s 72ms/step
>2915, dr[0.440,0.357], df[0.464,0.109], g[1.395,0.253]
1/1 [=====] - 0s 77ms/step
>2916, dr[0.368,0.382], df[0.457,0.087], g[1.402,0.139]
1/1 [=====] - 0s 74ms/step
>2917, dr[0.343,0.920], df[0.536,0.047], g[1.772,0.165]
1/1 [=====] - 0s 78ms/step
>2918, dr[0.461,0.472], df[0.357,0.086], g[1.623,0.168]
1/1 [=====] - 0s 77ms/step
>2919, dr[0.605,0.470], df[0.532,0.072], g[1.342,0.168]
1/1 [=====] - 0s 78ms/step
>2920, dr[0.392,0.512], df[0.673,0.159], g[1.798,0.201]
1/1 [=====] - 0s 72ms/step
>2921, dr[0.416,0.425], df[0.615,0.231], g[2.019,0.236]
1/1 [=====] - 0s 76ms/step
>2922, dr[0.550,0.484], df[0.254,0.124], g[2.118,0.186]
1/1 [=====] - 0s 78ms/step
>2923, dr[0.453,0.467], df[0.401,0.080], g[1.664,0.156]
1/1 [=====] - 0s 77ms/step
>2924, dr[0.496,0.733], df[0.601,0.152], g[1.608,0.104]
1/1 [=====] - 0s 74ms/step
>2925, dr[0.483,0.695], df[0.424,0.202], g[1.681,0.159]
1/1 [=====] - 0s 72ms/step
>2926, dr[0.438,0.302], df[0.458,0.130], g[1.857,0.203]
1/1 [=====] - 0s 107ms/step
>2927, dr[0.501,0.509], df[0.375,0.104], g[1.683,0.173]
1/1 [=====] - 0s 89ms/step
>2928, dr[0.492,0.246], df[0.472,0.355], g[1.273,0.189]
1/1 [=====] - 0s 118ms/step
>2929, dr[0.472,1.000], df[0.781,0.307], g[1.645,0.182]
1/1 [=====] - 0s 119ms/step
>2930, dr[0.386,0.147], df[0.504,0.119], g[1.804,0.141]
1/1 [=====] - 0s 103ms/step
>2931, dr[0.589,0.441], df[0.331,0.054], g[1.939,0.158]
1/1 [=====] - 0s 103ms/step
>2932, dr[0.562,0.725], df[0.640,0.149], g[1.495,0.194]
1/1 [=====] - 0s 90ms/step
>2933, dr[0.511,0.370], df[0.424,0.125], g[1.322,0.145]
1/1 [=====] - 0s 101ms/step
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>2934, dr[0.416,0.605], df[0.477,0.182], g[1.522,0.121]
1/1 [=====] - 0s 86ms/step
>2935, dr[0.556,0.821], df[0.351,0.044], g[1.198,0.162]
1/1 [=====] - 0s 88ms/step
>2936, dr[0.493,0.393], df[0.794,0.083], g[1.349,0.367]
1/1 [=====] - 0s 99ms/step
>2937, dr[0.472,0.564], df[0.413,0.140], g[1.594,0.133]
1/1 [=====] - 0s 86ms/step
>2938, dr[0.619,0.351], df[0.428,0.148], g[1.487,0.154]
1/1 [=====] - 0s 99ms/step
>2939, dr[0.469,0.560], df[0.564,0.127], g[1.952,0.095]
1/1 [=====] - 0s 78ms/step
>2940, dr[0.364,0.537], df[0.610,0.201], g[1.710,0.237]
1/1 [=====] - 0s 81ms/step
>2941, dr[0.581,0.447], df[0.430,0.074], g[1.717,0.133]
1/1 [=====] - 0s 81ms/step
>2942, dr[0.437,0.625], df[0.546,0.230], g[1.682,0.128]
1/1 [=====] - 0s 79ms/step
>2943, dr[0.509,0.629], df[0.341,0.088], g[1.616,0.155]
1/1 [=====] - 0s 93ms/step
>2944, dr[0.383,0.856], df[0.557,0.073], g[1.735,0.123]
1/1 [=====] - 0s 78ms/step
>2945, dr[0.329,0.664], df[0.254,0.055], g[1.608,0.101]
1/1 [=====] - 0s 85ms/step
>2946, dr[0.503,0.654], df[0.541,0.198], g[1.444,0.210]
1/1 [=====] - 0s 87ms/step
>2947, dr[0.523,0.347], df[0.485,0.105], g[1.624,0.116]
1/1 [=====] - 0s 82ms/step
>2948, dr[0.319,0.222], df[0.376,0.093], g[1.599,0.118]
1/1 [=====] - 0s 88ms/step
>2949, dr[0.616,0.616], df[0.468,0.239], g[1.548,0.215]
1/1 [=====] - 0s 460ms/step
>2950, dr[0.557,0.524], df[0.484,0.106], g[1.599,0.107]
1/1 [=====] - 0s 123ms/step
>2951, dr[0.342,0.516], df[0.418,0.081], g[1.637,0.266]
1/1 [=====] - 0s 90ms/step
>2952, dr[0.393,1.035], df[0.425,0.142], g[1.710,0.160]
1/1 [=====] - 0s 93ms/step
>2953, dr[0.419,0.423], df[0.404,0.137], g[1.756,0.082]
1/1 [=====] - 0s 103ms/step
>2954, dr[0.440,0.531], df[0.597,0.101], g[1.617,0.106]
1/1 [=====] - 0s 87ms/step
>2955, dr[0.635,0.726], df[0.543,0.088], g[1.591,0.200]
1/1 [=====] - 0s 84ms/step
>2956, dr[0.261,0.334], df[0.455,0.132], g[1.424,0.193]
1/1 [=====] - 0s 80ms/step
>2957, dr[0.654,0.671], df[0.464,0.126], g[1.573,0.250]
1/1 [=====] - 0s 107ms/step
>2958, dr[0.765,0.572], df[0.479,0.078], g[1.442,0.238]
1/1 [=====] - 0s 94ms/step
>2959, dr[0.410,0.534], df[0.549,0.189], g[1.539,0.171]
1/1 [=====] - 0s 93ms/step
>2960, dr[0.360,0.604], df[0.530,0.277], g[1.854,0.311]
1/1 [=====] - 0s 93ms/step
>2961, dr[0.466,0.755], df[0.369,0.145], g[1.824,0.195]
1/1 [=====] - 0s 151ms/step
>2962, dr[0.545,0.292], df[0.725,0.234], g[1.856,0.194]
1/1 [=====] - 0s 149ms/step
>2963, dr[0.627,0.386], df[0.412,0.072], g[1.883,0.099]
1/1 [=====] - 0s 81ms/step
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>2964, dr[0.354,0.675], df[0.499,0.068], g[1.824,0.116]
1/1 [=====] - 0s 95ms/step
>2965, dr[0.502,0.452], df[0.263,0.120], g[1.883,0.205]
1/1 [=====] - 0s 87ms/step
>2966, dr[0.508,0.726], df[0.698,0.159], g[1.840,0.126]
1/1 [=====] - 0s 81ms/step
>2967, dr[0.468,0.513], df[0.429,0.037], g[1.514,0.162]
1/1 [=====] - 0s 98ms/step
>2968, dr[0.529,0.532], df[0.530,0.153], g[1.470,0.149]
1/1 [=====] - 0s 91ms/step
>2969, dr[0.338,0.408], df[0.393,0.116], g[1.471,0.150]
1/1 [=====] - 0s 102ms/step
>2970, dr[0.394,0.345], df[0.384,0.081], g[1.376,0.118]
1/1 [=====] - 0s 84ms/step
>2971, dr[0.381,0.869], df[0.419,0.171], g[1.630,0.137]
1/1 [=====] - 0s 90ms/step
>2972, dr[0.452,0.282], df[0.377,0.050], g[1.379,0.105]
1/1 [=====] - 0s 79ms/step
>2973, dr[0.289,0.327], df[0.436,0.077], g[1.535,0.090]
1/1 [=====] - 0s 82ms/step
>2974, dr[0.398,0.587], df[0.290,0.164], g[1.390,0.147]
1/1 [=====] - 0s 80ms/step
>2975, dr[0.359,0.566], df[0.557,0.110], g[1.669,0.155]
1/1 [=====] - 0s 90ms/step
>2976, dr[0.423,0.787], df[0.349,0.179], g[1.894,0.185]
1/1 [=====] - 0s 85ms/step
>2977, dr[0.482,0.466], df[0.369,0.293], g[1.664,0.094]
1/1 [=====] - 0s 101ms/step
>2978, dr[0.353,0.308], df[0.314,0.064], g[1.725,0.150]
1/1 [=====] - 0s 77ms/step
>2979, dr[0.511,0.385], df[0.511,0.058], g[1.483,0.125]
1/1 [=====] - 0s 83ms/step
>2980, dr[0.719,0.531], df[0.736,0.221], g[1.188,0.090]
1/1 [=====] - 0s 79ms/step
>2981, dr[0.326,0.400], df[0.525,0.112], g[1.754,0.148]
1/1 [=====] - 0s 130ms/step
>2982, dr[0.445,0.614], df[0.438,0.271], g[1.554,0.312]
1/1 [=====] - 0s 73ms/step
>2983, dr[0.457,0.325], df[0.348,0.432], g[1.587,0.168]
1/1 [=====] - 0s 72ms/step
>2984, dr[0.559,0.628], df[0.465,0.156], g[1.447,0.120]
1/1 [=====] - 0s 79ms/step
>2985, dr[0.269,0.275], df[0.390,0.255], g[1.683,0.137]
1/1 [=====] - 0s 86ms/step
>2986, dr[0.609,0.382], df[0.633,0.197], g[1.812,0.123]
1/1 [=====] - 0s 76ms/step
>2987, dr[0.353,0.245], df[0.512,0.152], g[2.015,0.228]
1/1 [=====] - 0s 78ms/step
>2988, dr[0.782,0.320], df[0.689,0.066], g[1.523,0.145]
1/1 [=====] - 0s 75ms/step
>2989, dr[0.519,0.527], df[0.547,0.191], g[1.616,0.212]
1/1 [=====] - 0s 88ms/step
>2990, dr[0.659,0.387], df[0.390,0.201], g[1.695,0.138]
1/1 [=====] - 0s 89ms/step
>2991, dr[0.451,0.414], df[0.574,0.066], g[1.507,0.193]
1/1 [=====] - 0s 87ms/step
>2992, dr[0.455,0.483], df[0.719,0.393], g[1.486,0.184]
1/1 [=====] - 0s 75ms/step
>2993, dr[0.850,0.365], df[0.564,0.188], g[1.652,0.184]
1/1 [=====] - 0s 121ms/step
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>2994, dr[0.378,0.298], df[0.556,0.164], g[2.011,0.136]
1/1 [=====] - 0s 89ms/step
>2995, dr[0.639,0.367], df[0.613,0.040], g[1.760,0.211]
1/1 [=====] - 0s 77ms/step
>2996, dr[0.745,0.826], df[0.531,0.320], g[1.641,0.071]
1/1 [=====] - 0s 85ms/step
>2997, dr[0.572,0.538], df[0.650,0.148], g[1.590,0.212]
1/1 [=====] - 0s 74ms/step
>2998, dr[0.378,0.476], df[0.673,0.121], g[1.632,0.218]
1/1 [=====] - 0s 81ms/step
>2999, dr[0.647,0.382], df[0.460,0.130], g[1.648,0.212]
1/1 [=====] - 0s 72ms/step
>3000, dr[0.540,0.392], df[0.507,0.331], g[1.538,0.093]
1/1 [=====] - 0s 74ms/step
>3001, dr[0.437,0.342], df[0.546,0.043], g[1.514,0.116]
1/1 [=====] - 0s 79ms/step
>3002, dr[0.559,0.317], df[0.442,0.145], g[1.388,0.155]
1/1 [=====] - 0s 109ms/step
>3003, dr[0.395,0.604], df[0.623,0.227], g[1.703,0.164]
1/1 [=====] - 0s 76ms/step
>3004, dr[0.685,0.326], df[0.446,0.242], g[1.746,0.168]
1/1 [=====] - 0s 74ms/step
>3005, dr[0.396,0.549], df[0.412,0.212], g[1.707,0.310]
1/1 [=====] - 0s 76ms/step
>3006, dr[0.455,0.401], df[0.636,0.175], g[1.596,0.101]
1/1 [=====] - 0s 72ms/step
>3007, dr[0.519,0.505], df[0.412,0.061], g[1.672,0.094]
1/1 [=====] - 0s 71ms/step
>3008, dr[0.444,1.315], df[0.443,0.074], g[1.952,0.159]
1/1 [=====] - 0s 85ms/step
>3009, dr[0.433,0.384], df[0.369,0.105], g[1.471,0.121]
1/1 [=====] - 0s 151ms/step
>3010, dr[0.419,0.422], df[0.384,0.106], g[1.253,0.170]
1/1 [=====] - 0s 74ms/step
>3011, dr[0.298,0.243], df[0.439,0.064], g[1.423,0.237]
1/1 [=====] - 0s 77ms/step
>3012, dr[0.640,0.658], df[0.833,0.159], g[1.296,0.252]
1/1 [=====] - 0s 76ms/step
>3013, dr[0.486,0.721], df[0.480,0.155], g[1.729,0.189]
1/1 [=====] - 0s 80ms/step
>3014, dr[0.512,0.359], df[0.507,0.063], g[1.398,0.173]
1/1 [=====] - 0s 77ms/step
>3015, dr[0.316,0.572], df[0.519,0.139], g[1.642,0.267]
1/1 [=====] - 0s 82ms/step
>3016, dr[0.500,0.442], df[0.339,0.082], g[1.645,0.170]
1/1 [=====] - 0s 88ms/step
>3017, dr[0.480,0.495], df[0.816,0.171], g[1.553,0.157]
1/1 [=====] - 0s 77ms/step
>3018, dr[0.481,0.318], df[0.479,0.225], g[1.950,0.110]
1/1 [=====] - 0s 86ms/step
>3019, dr[0.441,0.741], df[0.468,0.145], g[1.642,0.143]
1/1 [=====] - 0s 82ms/step
>3020, dr[0.523,0.231], df[0.456,0.168], g[1.625,0.137]
1/1 [=====] - 0s 95ms/step
>3021, dr[0.569,0.596], df[0.383,0.163], g[1.462,0.129]
1/1 [=====] - 0s 109ms/step
>3022, dr[0.474,0.756], df[0.744,0.222], g[1.860,0.138]
1/1 [=====] - 0s 76ms/step
>3023, dr[0.517,0.343], df[0.503,0.170], g[1.835,0.160]
1/1 [=====] - 0s 76ms/step
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>3024, dr[0.436,0.567], df[0.485,0.364], g[1.495,0.109]
1/1 [=====] - 0s 78ms/step
>3025, dr[0.457,0.741], df[0.648,0.055], g[1.884,0.109]
1/1 [=====] - 0s 77ms/step
>3026, dr[0.510,0.428], df[0.432,0.050], g[1.889,0.133]
1/1 [=====] - 0s 86ms/step
>3027, dr[0.461,0.758], df[0.340,0.041], g[1.575,0.137]
1/1 [=====] - 0s 84ms/step
>3028, dr[0.472,0.326], df[0.529,0.121], g[1.621,0.215]
1/1 [=====] - 0s 86ms/step
>3029, dr[0.496,0.566], df[0.572,0.080], g[1.532,0.262]
1/1 [=====] - 0s 77ms/step
>3030, dr[0.505,0.250], df[0.418,0.092], g[1.490,0.114]
1/1 [=====] - 0s 73ms/step
>3031, dr[0.620,0.519], df[0.403,0.065], g[1.077,0.190]
1/1 [=====] - 0s 72ms/step
>3032, dr[0.341,0.265], df[0.694,0.204], g[1.444,0.156]
1/1 [=====] - 0s 79ms/step
>3033, dr[0.466,0.500], df[0.634,0.508], g[1.159,0.262]
1/1 [=====] - 0s 87ms/step
>3034, dr[0.560,0.369], df[0.463,0.228], g[1.564,0.191]
1/1 [=====] - 0s 83ms/step
>3035, dr[0.432,0.611], df[0.348,0.065], g[1.573,0.282]
1/1 [=====] - 0s 83ms/step
>3036, dr[0.538,0.394], df[0.365,0.122], g[1.654,0.104]
1/1 [=====] - 0s 94ms/step
>3037, dr[0.330,0.554], df[0.628,0.297], g[1.407,0.195]
1/1 [=====] - 0s 77ms/step
>3038, dr[0.448,0.485], df[0.324,0.167], g[1.593,0.150]
1/1 [=====] - 0s 123ms/step
>3039, dr[0.471,0.501], df[0.425,0.156], g[1.516,0.223]
1/1 [=====] - 0s 93ms/step
>3040, dr[0.296,0.330], df[0.474,0.071], g[1.433,0.161]
1/1 [=====] - 0s 85ms/step
>3041, dr[0.619,0.403], df[0.525,0.110], g[1.301,0.152]
1/1 [=====] - 0s 155ms/step
>3042, dr[0.438,0.342], df[0.522,0.083], g[1.410,0.151]
1/1 [=====] - 0s 79ms/step
>3043, dr[0.453,0.429], df[0.491,0.056], g[1.272,0.265]
1/1 [=====] - 0s 80ms/step
>3044, dr[0.478,0.397], df[0.520,0.097], g[1.456,0.159]
1/1 [=====] - 0s 76ms/step
>3045, dr[0.325,0.402], df[0.702,0.324], g[1.823,0.138]
1/1 [=====] - 0s 77ms/step
>3046, dr[0.717,0.423], df[0.434,0.195], g[2.006,0.157]
1/1 [=====] - 0s 74ms/step
>3047, dr[0.544,0.408], df[0.346,0.254], g[1.109,0.117]
1/1 [=====] - 0s 72ms/step
>3048, dr[0.344,0.609], df[0.504,0.135], g[1.344,0.107]
1/1 [=====] - 0s 77ms/step
>3049, dr[0.450,0.552], df[0.281,0.056], g[1.520,0.084]
1/1 [=====] - 0s 88ms/step
>3050, dr[0.442,0.523], df[0.507,0.081], g[1.560,0.192]
1/1 [=====] - 0s 79ms/step
>3051, dr[0.324,0.541], df[0.400,0.202], g[1.553,0.139]
1/1 [=====] - 0s 73ms/step
>3052, dr[0.422,0.484], df[0.562,0.121], g[1.627,0.104]
1/1 [=====] - 0s 82ms/step
>3053, dr[0.390,0.528], df[0.450,0.066], g[1.711,0.107]
1/1 [=====] - 0s 75ms/step
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>3054, dr[0.373,0.660], df[0.381,0.078], g[1.694,0.180]
1/1 [=====] - 0s 78ms/step
>3055, dr[0.433,0.860], df[0.449,0.204], g[1.640,0.303]
1/1 [=====] - 0s 77ms/step
>3056, dr[0.632,0.756], df[0.638,0.196], g[1.570,0.095]
1/1 [=====] - 0s 73ms/step
>3057, dr[0.368,0.788], df[0.399,0.104], g[1.470,0.193]
1/1 [=====] - 0s 74ms/step
>3058, dr[0.568,0.391], df[0.587,0.123], g[1.303,0.107]
1/1 [=====] - 0s 72ms/step
>3059, dr[0.317,0.455], df[0.407,0.179], g[1.600,0.071]
1/1 [=====] - 0s 80ms/step
>3060, dr[0.675,0.654], df[0.415,0.251], g[1.531,0.131]
1/1 [=====] - 0s 74ms/step
>3061, dr[0.412,0.531], df[0.492,0.145], g[1.566,0.103]
1/1 [=====] - 0s 86ms/step
>3062, dr[0.451,0.458], df[0.594,0.203], g[1.717,0.176]
1/1 [=====] - 0s 74ms/step
>3063, dr[0.642,0.616], df[0.411,0.340], g[1.424,0.091]
1/1 [=====] - 0s 77ms/step
>3064, dr[0.596,0.721], df[0.549,0.073], g[1.357,0.225]
1/1 [=====] - 0s 86ms/step
>3065, dr[0.323,0.388], df[0.394,0.266], g[1.564,0.145]
1/1 [=====] - 0s 94ms/step
>3066, dr[0.374,0.764], df[0.458,0.078], g[1.682,0.186]
1/1 [=====] - 0s 84ms/step
>3067, dr[0.418,0.328], df[0.512,0.072], g[1.313,0.085]
1/1 [=====] - 0s 78ms/step
>3068, dr[0.451,0.248], df[0.442,0.158], g[1.546,0.087]
1/1 [=====] - 0s 80ms/step
>3069, dr[0.392,0.291], df[0.593,0.224], g[1.883,0.161]
1/1 [=====] - 0s 81ms/step
>3070, dr[0.509,0.788], df[0.310,0.167], g[1.443,0.247]
1/1 [=====] - 0s 75ms/step
>3071, dr[0.721,0.469], df[0.503,0.190], g[1.377,0.155]
1/1 [=====] - 0s 109ms/step
>3072, dr[0.659,0.095], df[0.565,0.094], g[1.307,0.107]
1/1 [=====] - 0s 87ms/step
>3073, dr[0.340,0.537], df[0.410,0.407], g[1.516,0.061]
1/1 [=====] - 0s 81ms/step
>3074, dr[0.368,0.392], df[0.629,0.123], g[1.605,0.120]
1/1 [=====] - 0s 89ms/step
>3075, dr[0.363,0.443], df[0.401,0.036], g[1.564,0.079]
1/1 [=====] - 0s 122ms/step
>3076, dr[0.534,0.333], df[0.510,0.135], g[1.249,0.067]
1/1 [=====] - 0s 101ms/step
>3077, dr[0.314,0.978], df[0.449,0.103], g[1.746,0.247]
1/1 [=====] - 0s 159ms/step
>3078, dr[0.498,0.730], df[0.587,0.130], g[1.721,0.147]
1/1 [=====] - 0s 115ms/step
>3079, dr[0.496,0.599], df[0.438,0.088], g[1.569,0.109]
1/1 [=====] - 0s 81ms/step
>3080, dr[0.494,0.342], df[0.487,0.075], g[1.593,0.099]
1/1 [=====] - 0s 104ms/step
>3081, dr[0.385,0.844], df[0.578,0.330], g[1.796,0.188]
1/1 [=====] - 0s 80ms/step
>3082, dr[0.553,0.484], df[0.400,0.060], g[1.763,0.163]
1/1 [=====] - 0s 89ms/step
>3083, dr[0.388,0.720], df[0.447,0.096], g[1.633,0.096]
1/1 [=====] - 0s 101ms/step
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>3084, dr[0.554,0.415], df[0.351,0.230], g[1.565,0.063]
1/1 [=====] - 0s 105ms/step
>3085, dr[0.359,0.488], df[0.542,0.073], g[1.709,0.172]
1/1 [=====] - 0s 87ms/step
>3086, dr[0.522,0.479], df[0.448,0.129], g[1.613,0.136]
1/1 [=====] - 0s 80ms/step
>3087, dr[0.477,0.387], df[0.558,0.098], g[1.487,0.111]
1/1 [=====] - 0s 91ms/step
>3088, dr[0.380,0.130], df[0.605,0.071], g[1.662,0.092]
1/1 [=====] - 0s 86ms/step
>3089, dr[0.465,0.673], df[0.464,0.127], g[1.561,0.144]
1/1 [=====] - 0s 85ms/step
>3090, dr[0.534,0.319], df[0.463,0.335], g[1.524,0.100]
1/1 [=====] - 0s 83ms/step
>3091, dr[0.520,0.702], df[0.416,0.104], g[1.458,0.171]
1/1 [=====] - 0s 74ms/step
>3092, dr[0.574,0.559], df[0.505,0.073], g[1.391,0.115]
1/1 [=====] - 0s 74ms/step
>3093, dr[0.335,0.644], df[0.297,0.166], g[1.302,0.134]
1/1 [=====] - 0s 75ms/step
>3094, dr[0.411,0.728], df[0.681,0.150], g[1.423,0.147]
1/1 [=====] - 0s 78ms/step
>3095, dr[0.476,0.338], df[0.424,0.150], g[1.655,0.176]
1/1 [=====] - 0s 70ms/step
>3096, dr[0.316,0.606], df[0.369,0.073], g[1.518,0.159]
1/1 [=====] - 0s 72ms/step
>3097, dr[0.608,0.394], df[0.649,0.164], g[1.682,0.222]
1/1 [=====] - 0s 70ms/step
>3098, dr[0.361,0.890], df[0.449,0.191], g[1.562,0.149]
1/1 [=====] - 0s 72ms/step
>3099, dr[0.658,0.471], df[0.394,0.067], g[1.445,0.271]
1/1 [=====] - 0s 103ms/step
>3100, dr[0.491,0.384], df[0.485,0.325], g[1.547,0.165]
1/1 [=====] - 0s 95ms/step
>3101, dr[0.545,0.840], df[0.664,0.112], g[1.296,0.181]
1/1 [=====] - 0s 76ms/step
>3102, dr[0.299,0.908], df[0.471,0.105], g[1.520,0.205]
1/1 [=====] - 0s 88ms/step
>3103, dr[0.448,0.173], df[0.403,0.110], g[1.658,0.122]
1/1 [=====] - 0s 72ms/step
>3104, dr[0.492,0.675], df[0.477,0.067], g[1.244,0.137]
1/1 [=====] - 0s 86ms/step
>3105, dr[0.536,0.419], df[0.463,0.110], g[1.461,0.166]
1/1 [=====] - 0s 81ms/step
>3106, dr[0.331,0.362], df[0.500,0.104], g[1.691,0.152]
1/1 [=====] - 0s 91ms/step
>3107, dr[0.443,0.529], df[0.436,0.180], g[1.750,0.129]
1/1 [=====] - 0s 83ms/step
>3108, dr[0.584,0.427], df[0.471,0.055], g[1.698,0.159]
1/1 [=====] - 0s 73ms/step
>3109, dr[0.355,0.403], df[0.596,0.256], g[1.697,0.164]
1/1 [=====] - 0s 83ms/step
>3110, dr[0.446,0.419], df[0.344,0.107], g[1.874,0.141]
1/1 [=====] - 0s 77ms/step
>3111, dr[0.612,0.458], df[0.436,0.044], g[1.629,0.104]
1/1 [=====] - 0s 77ms/step
>3112, dr[0.449,0.735], df[0.435,0.176], g[1.624,0.284]
1/1 [=====] - 0s 77ms/step
>3113, dr[0.364,0.525], df[0.442,0.100], g[1.580,0.181]
1/1 [=====] - 0s 84ms/step
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>3114, dr[0.491,0.526], df[0.459,0.071], g[1.670,0.216]
1/1 [=====] - 0s 78ms/step
>3115, dr[0.479,0.653], df[0.559,0.089], g[1.687,0.130]
1/1 [=====] - 0s 79ms/step
>3116, dr[0.613,0.841], df[0.512,0.184], g[1.404,0.231]
1/1 [=====] - 0s 79ms/step
>3117, dr[0.381,0.616], df[0.413,0.061], g[1.549,0.125]
1/1 [=====] - 0s 73ms/step
>3118, dr[0.426,0.910], df[0.511,0.138], g[1.659,0.088]
1/1 [=====] - 0s 73ms/step
>3119, dr[0.459,0.844], df[0.686,0.066], g[1.388,0.221]
1/1 [=====] - 0s 74ms/step
>3120, dr[0.512,0.524], df[0.508,0.071], g[1.702,0.180]
1/1 [=====] - 0s 79ms/step
>3121, dr[0.511,1.066], df[0.427,0.164], g[1.595,0.227]
1/1 [=====] - 0s 84ms/step
>3122, dr[0.398,0.584], df[0.365,0.070], g[1.635,0.151]
1/1 [=====] - 0s 75ms/step
>3123, dr[0.489,0.324], df[0.486,0.086], g[1.238,0.255]
1/1 [=====] - 0s 75ms/step
>3124, dr[0.443,0.589], df[0.328,0.082], g[1.496,0.115]
1/1 [=====] - 0s 75ms/step
>3125, dr[0.348,0.752], df[0.426,0.221], g[1.556,0.097]
1/1 [=====] - 0s 74ms/step
>3126, dr[0.371,0.499], df[0.424,0.148], g[1.605,0.086]
1/1 [=====] - 0s 74ms/step
>3127, dr[0.430,0.302], df[0.463,0.123], g[1.372,0.323]
1/1 [=====] - 0s 72ms/step
>3128, dr[0.569,0.516], df[0.559,0.060], g[1.236,0.219]
1/1 [=====] - 0s 75ms/step
>3129, dr[0.516,0.553], df[0.496,0.052], g[1.393,0.194]
1/1 [=====] - 0s 73ms/step
>3130, dr[0.323,0.326], df[0.427,0.091], g[1.468,0.086]
1/1 [=====] - 0s 77ms/step
>3131, dr[0.512,0.790], df[0.304,0.058], g[1.443,0.115]
1/1 [=====] - 0s 78ms/step
>3132, dr[0.319,0.729], df[0.648,0.074], g[1.746,0.106]
1/1 [=====] - 0s 75ms/step
>3133, dr[0.418,0.817], df[0.410,0.088], g[1.431,0.385]
1/1 [=====] - 0s 77ms/step
>3134, dr[0.503,0.683], df[0.421,0.150], g[1.450,0.179]
1/1 [=====] - 0s 78ms/step
>3135, dr[0.602,0.446], df[0.611,0.055], g[1.357,0.173]
1/1 [=====] - 0s 85ms/step
>3136, dr[0.318,0.692], df[0.570,0.136], g[1.577,0.086]
1/1 [=====] - 0s 75ms/step
>3137, dr[0.471,0.326], df[0.234,0.211], g[1.727,0.103]
1/1 [=====] - 0s 83ms/step
>3138, dr[0.464,0.428], df[0.388,0.146], g[1.209,0.163]
1/1 [=====] - 0s 74ms/step
>3139, dr[0.278,0.364], df[0.620,0.252], g[1.543,0.184]
1/1 [=====] - 0s 80ms/step
>3140, dr[0.579,0.379], df[0.541,0.175], g[1.590,0.105]
1/1 [=====] - 0s 73ms/step
>3141, dr[0.600,0.693], df[0.498,0.268], g[1.428,0.217]
1/1 [=====] - 0s 75ms/step
>3142, dr[0.640,0.282], df[0.629,0.101], g[1.379,0.190]
1/1 [=====] - 0s 81ms/step
>3143, dr[0.469,0.861], df[0.496,0.062], g[1.578,0.121]
1/1 [=====] - 0s 77ms/step
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>3144, dr[0.538,0.296], df[0.442,0.094], g[1.541,0.169]
1/1 [=====] - 0s 78ms/step
>3145, dr[0.396,0.335], df[0.395,0.121], g[1.351,0.188]
1/1 [=====] - 0s 74ms/step
>3146, dr[0.451,0.356], df[0.377,0.112], g[1.365,0.101]
1/1 [=====] - 0s 78ms/step
>3147, dr[0.432,0.467], df[0.586,0.239], g[1.608,0.245]
1/1 [=====] - 0s 77ms/step
>3148, dr[0.419,0.286], df[0.381,0.217], g[1.915,0.135]
1/1 [=====] - 0s 76ms/step
>3149, dr[0.368,0.460], df[0.605,0.328], g[1.860,0.162]
1/1 [=====] - 0s 82ms/step
>3150, dr[0.616,0.394], df[0.485,0.126], g[1.521,0.221]
1/1 [=====] - 0s 71ms/step
>3151, dr[0.508,0.294], df[0.458,0.052], g[1.580,0.166]
1/1 [=====] - 0s 81ms/step
>3152, dr[0.646,0.507], df[0.419,0.158], g[1.534,0.053]
1/1 [=====] - 0s 74ms/step
>3153, dr[0.554,0.592], df[0.649,0.163], g[1.312,0.184]
1/1 [=====] - 0s 81ms/step
>3154, dr[0.330,0.608], df[0.628,0.099], g[1.635,0.062]
1/1 [=====] - 0s 72ms/step
>3155, dr[0.576,0.786], df[0.484,0.094], g[1.491,0.191]
1/1 [=====] - 0s 74ms/step
>3156, dr[0.489,0.692], df[0.466,0.057], g[1.399,0.172]
1/1 [=====] - 0s 76ms/step
>3157, dr[0.496,0.745], df[0.539,0.068], g[1.337,0.126]
1/1 [=====] - 0s 74ms/step
>3158, dr[0.404,0.550], df[0.529,0.471], g[1.725,0.150]
1/1 [=====] - 0s 78ms/step
>3159, dr[0.612,0.378], df[0.304,0.101], g[1.539,0.101]
1/1 [=====] - 0s 72ms/step
>3160, dr[0.395,0.623], df[0.690,0.153], g[1.378,0.197]
1/1 [=====] - 0s 84ms/step
>3161, dr[0.469,0.467], df[0.528,0.222], g[1.870,0.089]
1/1 [=====] - 0s 85ms/step
>3162, dr[0.540,0.437], df[0.396,0.184], g[1.495,0.114]
1/1 [=====] - 0s 95ms/step
>3163, dr[0.538,0.278], df[0.526,0.130], g[1.585,0.124]
1/1 [=====] - 0s 90ms/step
>3164, dr[0.298,0.478], df[0.412,0.140], g[1.741,0.145]
1/1 [=====] - 0s 81ms/step
>3165, dr[0.601,0.819], df[0.473,0.077], g[1.338,0.194]
1/1 [=====] - 0s 79ms/step
>3166, dr[0.476,0.355], df[0.337,0.199], g[1.447,0.111]
1/1 [=====] - 0s 91ms/step
>3167, dr[0.475,0.415], df[0.557,0.082], g[1.440,0.094]
1/1 [=====] - 0s 78ms/step
>3168, dr[0.382,0.667], df[0.680,0.217], g[1.732,0.155]
1/1 [=====] - 0s 82ms/step
>3169, dr[0.596,0.173], df[0.505,0.164], g[1.464,0.175]
1/1 [=====] - 0s 72ms/step
>3170, dr[0.709,1.431], df[0.349,0.194], g[1.376,0.140]
1/1 [=====] - 0s 84ms/step
>3171, dr[0.370,0.226], df[0.719,0.191], g[1.410,0.238]
1/1 [=====] - 0s 71ms/step
>3172, dr[0.435,0.405], df[0.319,0.124], g[1.538,0.162]
1/1 [=====] - 0s 74ms/step
>3173, dr[0.548,0.539], df[0.669,0.212], g[1.907,0.200]
1/1 [=====] - 0s 73ms/step
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>3174, dr[0.549,0.301], df[0.376,0.326], g[1.522,0.234]
1/1 [=====] - 0s 78ms/step
>3175, dr[0.581,0.504], df[0.398,0.134], g[1.382,0.170]
1/1 [=====] - 0s 89ms/step
>3176, dr[0.484,0.284], df[0.551,0.155], g[1.504,0.179]
1/1 [=====] - 0s 72ms/step
>3177, dr[0.302,0.520], df[0.509,0.067], g[1.706,0.078]
1/1 [=====] - 0s 81ms/step
>3178, dr[0.586,0.322], df[0.457,0.146], g[1.451,0.201]
1/1 [=====] - 0s 72ms/step
>3179, dr[0.448,0.766], df[0.451,0.122], g[1.501,0.265]
1/1 [=====] - 0s 72ms/step
>3180, dr[0.344,0.612], df[0.558,0.250], g[1.686,0.116]
1/1 [=====] - 0s 76ms/step
>3181, dr[0.407,0.379], df[0.461,0.094], g[1.780,0.175]
1/1 [=====] - 0s 72ms/step
>3182, dr[0.758,0.673], df[0.604,0.127], g[1.545,0.255]
1/1 [=====] - 0s 70ms/step
>3183, dr[0.566,0.783], df[0.474,0.253], g[1.561,0.131]
1/1 [=====] - 0s 83ms/step
>3184, dr[0.420,0.248], df[0.646,0.133], g[1.502,0.116]
1/1 [=====] - 0s 85ms/step
>3185, dr[0.303,0.291], df[0.345,0.064], g[1.568,0.165]
1/1 [=====] - 0s 71ms/step
>3186, dr[0.541,0.563], df[0.349,0.178], g[1.482,0.159]
1/1 [=====] - 0s 75ms/step
>3187, dr[0.715,1.167], df[0.676,0.204], g[1.303,0.116]
1/1 [=====] - 0s 78ms/step
>3188, dr[0.393,0.491], df[0.591,0.142], g[1.767,0.128]
1/1 [=====] - 0s 73ms/step
>3189, dr[0.361,0.249], df[0.624,0.177], g[1.474,0.126]
1/1 [=====] - 0s 72ms/step
>3190, dr[0.554,0.309], df[0.351,0.169], g[1.434,0.180]
1/1 [=====] - 0s 74ms/step
>3191, dr[0.423,0.358], df[0.571,0.087], g[1.637,0.193]
1/1 [=====] - 0s 79ms/step
>3192, dr[0.593,0.946], df[0.390,0.156], g[1.570,0.138]
1/1 [=====] - 0s 76ms/step
>3193, dr[0.314,0.215], df[0.528,0.032], g[1.529,0.068]
1/1 [=====] - 0s 80ms/step
>3194, dr[0.541,0.521], df[0.577,0.111], g[1.441,0.177]
1/1 [=====] - 0s 70ms/step
>3195, dr[0.400,0.617], df[0.356,0.099], g[1.733,0.091]
1/1 [=====] - 0s 81ms/step
>3196, dr[0.435,0.537], df[0.624,0.170], g[1.486,0.184]
1/1 [=====] - 0s 80ms/step
>3197, dr[0.478,0.686], df[0.656,0.183], g[1.965,0.099]
1/1 [=====] - 0s 71ms/step
>3198, dr[0.613,0.593], df[0.363,0.063], g[1.573,0.093]
1/1 [=====] - 0s 78ms/step
>3199, dr[0.643,0.546], df[0.315,0.028], g[1.076,0.144]
1/1 [=====] - 0s 74ms/step
>3200, dr[0.347,0.533], df[0.642,0.087], g[1.251,0.225]
1/1 [=====] - 0s 76ms/step
>3201, dr[0.453,0.348], df[0.505,0.137], g[1.341,0.077]
1/1 [=====] - 0s 72ms/step
>3202, dr[0.330,0.472], df[0.412,0.085], g[1.525,0.121]
1/1 [=====] - 0s 80ms/step
>3203, dr[0.683,0.486], df[0.621,0.375], g[1.712,0.228]
1/1 [=====] - 0s 70ms/step
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>3204, dr[0.734,0.856], df[0.698,0.235], g[1.563,0.110]
1/1 [=====] - 0s 76ms/step
>3205, dr[0.465,1.049], df[0.389,0.158], g[1.644,0.143]
1/1 [=====] - 0s 74ms/step
>3206, dr[0.311,0.902], df[0.416,0.070], g[1.236,0.174]
1/1 [=====] - 0s 76ms/step
>3207, dr[0.532,0.509], df[0.566,0.132], g[1.761,0.111]
1/1 [=====] - 0s 73ms/step
>3208, dr[0.642,0.745], df[0.423,0.070], g[1.263,0.225]
1/1 [=====] - 0s 77ms/step
>3209, dr[0.337,0.411], df[0.460,0.055], g[1.496,0.202]
1/1 [=====] - 0s 78ms/step
>3210, dr[0.383,0.824], df[0.426,0.148], g[1.907,0.204]
1/1 [=====] - 0s 74ms/step
>3211, dr[0.435,0.487], df[0.514,0.203], g[1.621,0.292]
1/1 [=====] - 0s 80ms/step
>3212, dr[0.481,0.423], df[0.423,0.094], g[1.738,0.149]
1/1 [=====] - 0s 73ms/step
>3213, dr[0.519,0.839], df[0.428,0.064], g[1.578,0.204]
1/1 [=====] - 0s 78ms/step
>3214, dr[0.639,0.594], df[0.430,0.075], g[1.358,0.193]
1/1 [=====] - 0s 72ms/step
>3215, dr[0.370,0.830], df[0.566,0.127], g[1.525,0.139]
1/1 [=====] - 0s 73ms/step
>3216, dr[0.362,0.517], df[0.490,0.086], g[1.678,0.090]
1/1 [=====] - 0s 74ms/step
>3217, dr[0.602,0.348], df[0.396,0.121], g[1.546,0.099]
1/1 [=====] - 0s 73ms/step
>3218, dr[0.647,0.407], df[0.804,0.141], g[1.340,0.146]
1/1 [=====] - 0s 80ms/step
>3219, dr[0.535,0.328], df[0.629,0.163], g[1.642,0.162]
1/1 [=====] - 0s 75ms/step
>3220, dr[0.353,0.337], df[0.415,0.153], g[1.546,0.260]
1/1 [=====] - 0s 86ms/step
>3221, dr[0.602,0.889], df[0.476,0.175], g[1.765,0.112]
1/1 [=====] - 0s 74ms/step
>3222, dr[0.533,0.522], df[0.553,0.095], g[1.442,0.180]
1/1 [=====] - 0s 78ms/step
>3223, dr[0.407,0.489], df[0.468,0.164], g[1.497,0.103]
1/1 [=====] - 0s 73ms/step
>3224, dr[0.461,0.291], df[0.333,0.113], g[1.430,0.115]
1/1 [=====] - 0s 73ms/step
>3225, dr[0.503,0.235], df[0.396,0.188], g[1.405,0.194]
1/1 [=====] - 0s 75ms/step
>3226, dr[0.385,0.869], df[0.493,0.151], g[1.965,0.130]
1/1 [=====] - 0s 72ms/step
>3227, dr[0.659,0.326], df[0.478,0.254], g[1.337,0.073]
1/1 [=====] - 0s 79ms/step
>3228, dr[0.473,0.746], df[0.929,0.106], g[1.497,0.128]
1/1 [=====] - 0s 78ms/step
>3229, dr[0.531,0.603], df[0.411,0.255], g[1.718,0.165]
1/1 [=====] - 0s 81ms/step
>3230, dr[0.401,0.439], df[0.356,0.031], g[1.399,0.356]
1/1 [=====] - 0s 72ms/step
>3231, dr[0.375,0.453], df[0.452,0.101], g[1.483,0.105]
1/1 [=====] - 0s 73ms/step
>3232, dr[0.554,0.512], df[0.626,0.233], g[1.597,0.081]
1/1 [=====] - 0s 71ms/step
>3233, dr[0.418,0.215], df[0.328,0.274], g[1.557,0.116]
1/1 [=====] - 0s 76ms/step
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>3234, dr[0.552,0.559], df[0.473,0.078], g[1.257,0.270]
1/1 [=====] - 0s 76ms/step
>3235, dr[0.354,0.600], df[0.556,0.221], g[1.382,0.186]
1/1 [=====] - 0s 71ms/step
>3236, dr[0.390,0.863], df[0.652,0.096], g[1.698,0.161]
1/1 [=====] - 0s 77ms/step
>3237, dr[0.672,0.368], df[0.584,0.156], g[1.757,0.058]
1/1 [=====] - 0s 73ms/step
>3238, dr[0.458,0.625], df[0.319,0.096], g[1.242,0.151]
1/1 [=====] - 0s 78ms/step
>3239, dr[0.437,0.391], df[0.684,0.181], g[1.776,0.152]
1/1 [=====] - 0s 72ms/step
>3240, dr[0.468,0.759], df[0.390,0.250], g[1.494,0.147]
1/1 [=====] - 0s 74ms/step
>3241, dr[0.497,0.316], df[0.421,0.174], g[1.586,0.128]
1/1 [=====] - 0s 95ms/step
>3242, dr[0.370,0.546], df[0.517,0.197], g[1.610,0.094]
1/1 [=====] - 0s 81ms/step
>3243, dr[0.404,0.602], df[0.365,0.209], g[1.394,0.138]
1/1 [=====] - 0s 88ms/step
>3244, dr[0.539,0.332], df[0.598,0.237], g[1.608,0.168]
1/1 [=====] - 0s 83ms/step
>3245, dr[0.484,0.617], df[0.511,0.070], g[1.241,0.178]
1/1 [=====] - 0s 81ms/step
>3246, dr[0.499,0.369], df[0.405,0.065], g[1.306,0.110]
1/1 [=====] - 0s 90ms/step
>3247, dr[0.353,0.672], df[0.624,0.242], g[1.233,0.144]
1/1 [=====] - 0s 94ms/step
>3248, dr[0.500,0.673], df[0.514,0.327], g[1.838,0.198]
1/1 [=====] - 0s 79ms/step
>3249, dr[0.400,0.481], df[0.343,0.067], g[1.594,0.154]
1/1 [=====] - 0s 72ms/step
>3250, dr[0.495,0.580], df[0.551,0.299], g[1.648,0.132]
1/1 [=====] - 0s 76ms/step
>3251, dr[0.709,0.454], df[0.415,0.102], g[1.432,0.140]
1/1 [=====] - 0s 77ms/step
>3252, dr[0.540,1.355], df[0.734,0.216], g[1.359,0.165]
1/1 [=====] - 0s 77ms/step
>3253, dr[0.500,0.645], df[0.553,0.249], g[1.461,0.220]
1/1 [=====] - 0s 79ms/step
>3254, dr[0.426,0.571], df[0.445,0.088], g[1.762,0.093]
1/1 [=====] - 0s 78ms/step
>3255, dr[0.635,0.410], df[0.618,0.143], g[1.398,0.236]
1/1 [=====] - 0s 77ms/step
>3256, dr[0.417,0.312], df[0.552,0.222], g[1.563,0.217]
1/1 [=====] - 0s 70ms/step
>3257, dr[0.597,0.372], df[0.629,0.226], g[1.226,0.137]
1/1 [=====] - 0s 74ms/step
>3258, dr[0.434,0.655], df[0.338,0.040], g[1.377,0.130]
1/1 [=====] - 0s 77ms/step
>3259, dr[0.387,0.583], df[0.570,0.147], g[1.578,0.131]
1/1 [=====] - 0s 82ms/step
>3260, dr[0.571,0.268], df[0.561,0.075], g[1.414,0.111]
1/1 [=====] - 0s 80ms/step
>3261, dr[0.363,0.382], df[0.461,0.111], g[1.691,0.094]
1/1 [=====] - 0s 185ms/step
>3262, dr[0.619,0.564], df[0.450,0.140], g[1.646,0.090]
1/1 [=====] - 0s 135ms/step
>3263, dr[0.490,0.366], df[0.592,0.236], g[1.447,0.137]
1/1 [=====] - 0s 114ms/step
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>3264, dr[0.532,0.496], df[0.534,0.226], g[1.334,0.273]
1/1 [=====] - 0s 110ms/step
>3265, dr[0.429,0.628], df[0.423,0.070], g[1.714,0.183]
1/1 [=====] - 0s 155ms/step
>3266, dr[0.619,0.391], df[0.484,0.127], g[1.383,0.171]
1/1 [=====] - 0s 112ms/step
>3267, dr[0.342,0.443], df[0.297,0.125], g[1.742,0.051]
1/1 [=====] - 0s 82ms/step
>3268, dr[0.386,0.753], df[0.708,0.186], g[1.510,0.083]
1/1 [=====] - 0s 105ms/step
>3269, dr[0.450,0.396], df[0.486,0.250], g[1.669,0.067]
1/1 [=====] - 0s 91ms/step
>3270, dr[0.423,0.562], df[0.317,0.314], g[1.845,0.135]
1/1 [=====] - 0s 101ms/step
>3271, dr[0.759,0.587], df[0.501,0.071], g[1.545,0.100]
1/1 [=====] - 0s 91ms/step
>3272, dr[0.600,0.609], df[0.789,0.121], g[1.449,0.141]
1/1 [=====] - 0s 85ms/step
>3273, dr[0.610,0.682], df[0.571,0.183], g[1.618,0.160]
1/1 [=====] - 0s 85ms/step
>3274, dr[0.458,0.743], df[0.410,0.224], g[1.817,0.171]
1/1 [=====] - 0s 77ms/step
>3275, dr[0.464,0.282], df[0.476,0.044], g[1.817,0.196]
1/1 [=====] - 0s 80ms/step
>3276, dr[0.430,0.306], df[0.541,0.325], g[1.370,0.169]
1/1 [=====] - 0s 94ms/step
>3277, dr[0.609,0.924], df[0.435,0.068], g[1.342,0.107]
1/1 [=====] - 0s 88ms/step
>3278, dr[0.477,0.452], df[0.661,0.075], g[1.231,0.248]
1/1 [=====] - 0s 85ms/step
>3279, dr[0.508,0.390], df[0.390,0.139], g[1.361,0.169]
1/1 [=====] - 0s 84ms/step
>3280, dr[0.514,0.734], df[0.659,0.240], g[1.750,0.156]
1/1 [=====] - 0s 86ms/step
>3281, dr[0.408,0.348], df[0.359,0.100], g[1.387,0.180]
1/1 [=====] - 0s 101ms/step
>3282, dr[0.400,0.304], df[0.346,0.190], g[1.795,0.108]
1/1 [=====] - 0s 99ms/step
>3283, dr[0.407,0.218], df[0.301,0.274], g[1.419,0.106]
1/1 [=====] - 0s 85ms/step
>3284, dr[0.575,0.436], df[0.448,0.090], g[1.071,0.125]
1/1 [=====] - 0s 97ms/step
>3285, dr[0.303,0.323], df[0.801,0.113], g[1.316,0.123]
1/1 [=====] - 0s 82ms/step
>3286, dr[0.507,0.648], df[0.623,0.217], g[1.805,0.123]
1/1 [=====] - 0s 85ms/step
>3287, dr[0.534,0.625], df[0.356,0.080], g[1.764,0.188]
1/1 [=====] - 0s 85ms/step
>3288, dr[0.549,0.614], df[0.477,0.226], g[1.520,0.214]
1/1 [=====] - 0s 90ms/step
>3289, dr[0.516,0.463], df[0.412,0.084], g[1.481,0.087]
1/1 [=====] - 0s 88ms/step
>3290, dr[0.479,0.690], df[0.711,0.106], g[1.407,0.159]
1/1 [=====] - 0s 98ms/step
>3291, dr[0.394,0.522], df[0.505,0.171], g[1.754,0.079]
1/1 [=====] - 0s 79ms/step
>3292, dr[0.582,0.925], df[0.494,0.083], g[1.728,0.087]
1/1 [=====] - 0s 168ms/step
>3293, dr[0.650,0.610], df[0.416,0.359], g[1.571,0.090]
1/1 [=====] - 0s 102ms/step
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>3294, dr[0.517,0.437], df[0.816,0.209], g[1.486,0.099]
1/1 [=====] - 0s 103ms/step
>3295, dr[0.428,0.291], df[0.249,0.109], g[1.556,0.208]
1/1 [=====] - 0s 111ms/step
>3296, dr[0.522,0.532], df[0.460,0.169], g[1.622,0.111]
1/1 [=====] - 0s 82ms/step
>3297, dr[0.332,0.216], df[0.440,0.102], g[1.482,0.133]
1/1 [=====] - 0s 113ms/step
>3298, dr[0.454,0.427], df[0.613,0.142], g[1.720,0.119]
1/1 [=====] - 0s 121ms/step
>3299, dr[0.577,0.489], df[0.468,0.209], g[1.617,0.066]
1/1 [=====] - 0s 93ms/step
>3300, dr[0.305,0.416], df[0.418,0.043], g[1.560,0.159]
1/1 [=====] - 0s 89ms/step
>3301, dr[0.642,0.409], df[0.519,0.194], g[1.525,0.125]
1/1 [=====] - 0s 99ms/step
>3302, dr[0.566,0.745], df[0.679,0.051], g[1.450,0.099]
1/1 [=====] - 0s 88ms/step
>3303, dr[0.400,0.108], df[0.485,0.252], g[1.574,0.088]
1/1 [=====] - 0s 92ms/step
>3304, dr[0.394,0.434], df[0.383,0.095], g[1.756,0.257]
1/1 [=====] - 0s 84ms/step
>3305, dr[0.563,0.574], df[0.554,0.213], g[1.372,0.082]
1/1 [=====] - 0s 87ms/step
>3306, dr[0.563,0.489], df[0.546,0.258], g[1.530,0.219]
1/1 [=====] - 0s 90ms/step
>3307, dr[0.488,0.504], df[0.519,0.224], g[1.462,0.152]
1/1 [=====] - 0s 102ms/step
>3308, dr[0.297,0.700], df[0.377,0.111], g[1.771,0.111]
1/1 [=====] - 0s 131ms/step
>3309, dr[0.560,0.634], df[0.457,0.254], g[1.350,0.134]
1/1 [=====] - 0s 88ms/step
>3310, dr[0.400,0.827], df[0.543,0.147], g[1.569,0.254]
1/1 [=====] - 0s 81ms/step
>3311, dr[0.483,0.748], df[0.454,0.093], g[1.642,0.156]
1/1 [=====] - 0s 106ms/step
>3312, dr[0.419,0.405], df[0.496,0.187], g[1.446,0.162]
1/1 [=====] - 0s 108ms/step
>3313, dr[0.609,0.890], df[0.541,0.071], g[1.521,0.173]
1/1 [=====] - 0s 101ms/step
>3314, dr[0.647,0.599], df[0.788,0.176], g[1.595,0.117]
1/1 [=====] - 0s 95ms/step
>3315, dr[0.568,0.347], df[0.639,0.217], g[1.650,0.152]
1/1 [=====] - 0s 90ms/step
>3316, dr[0.451,0.397], df[0.403,0.178], g[1.543,0.118]
1/1 [=====] - 0s 107ms/step
>3317, dr[0.484,0.386], df[0.574,0.114], g[1.734,0.143]
1/1 [=====] - 0s 88ms/step
>3318, dr[0.529,0.756], df[0.445,0.135], g[1.577,0.192]
1/1 [=====] - 0s 88ms/step
>3319, dr[0.591,0.751], df[0.576,0.109], g[1.547,0.134]
1/1 [=====] - 0s 95ms/step
>3320, dr[0.462,0.547], df[0.374,0.119], g[1.454,0.139]
1/1 [=====] - 0s 100ms/step
>3321, dr[0.438,0.836], df[0.466,0.034], g[1.416,0.096]
1/1 [=====] - 0s 80ms/step
>3322, dr[0.513,0.651], df[0.526,0.249], g[1.639,0.186]
1/1 [=====] - 0s 85ms/step
>3323, dr[0.366,0.360], df[0.416,0.111], g[1.467,0.182]
1/1 [=====] - 0s 88ms/step
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>3324, dr[0.442,0.329], df[0.495,0.111], g[1.460,0.071]
1/1 [=====] - 0s 80ms/step
>3325, dr[0.385,0.249], df[0.468,0.152], g[1.655,0.166]
1/1 [=====] - 0s 80ms/step
>3326, dr[0.429,0.616], df[0.600,0.330], g[1.713,0.149]
1/1 [=====] - 0s 90ms/step
>3327, dr[0.398,0.402], df[0.586,0.084], g[1.799,0.121]
1/1 [=====] - 0s 78ms/step
>3328, dr[0.636,0.459], df[0.393,0.075], g[1.735,0.119]
1/1 [=====] - 0s 80ms/step
>3329, dr[0.405,0.648], df[0.584,0.249], g[2.025,0.076]
1/1 [=====] - 0s 83ms/step
>3330, dr[0.753,0.317], df[0.536,0.193], g[1.567,0.208]
1/1 [=====] - 0s 83ms/step
>3331, dr[0.487,0.570], df[0.467,0.084], g[1.477,0.257]
1/1 [=====] - 0s 88ms/step
>3332, dr[0.436,0.245], df[0.446,0.107], g[1.461,0.144]
1/1 [=====] - 0s 80ms/step
>3333, dr[0.773,0.484], df[0.618,0.067], g[1.156,0.251]
1/1 [=====] - 0s 76ms/step
>3334, dr[0.303,0.676], df[0.496,0.085], g[1.438,0.133]
1/1 [=====] - 0s 81ms/step
>3335, dr[0.281,0.566], df[0.567,0.172], g[1.814,0.126]
1/1 [=====] - 0s 77ms/step
>3336, dr[0.569,0.554], df[0.333,0.052], g[1.670,0.078]
1/1 [=====] - 0s 82ms/step
>3337, dr[0.765,0.395], df[0.506,0.111], g[1.391,0.095]
1/1 [=====] - 0s 77ms/step
>3338, dr[0.367,0.647], df[0.579,0.474], g[1.440,0.116]
1/1 [=====] - 0s 77ms/step
>3339, dr[0.438,0.451], df[0.679,0.113], g[1.998,0.106]
1/1 [=====] - 0s 82ms/step
>3340, dr[0.629,0.443], df[0.467,0.148], g[1.562,0.076]
1/1 [=====] - 0s 82ms/step
>3341, dr[0.587,0.489], df[0.530,0.266], g[1.306,0.234]
1/1 [=====] - 0s 85ms/step
>3342, dr[0.535,0.721], df[0.575,0.147], g[1.413,0.236]
1/1 [=====] - 0s 76ms/step
>3343, dr[0.489,0.603], df[0.386,0.252], g[1.366,0.092]
1/1 [=====] - 0s 83ms/step
>3344, dr[0.457,0.788], df[0.716,0.211], g[1.513,0.089]
1/1 [=====] - 0s 79ms/step
>3345, dr[0.265,0.253], df[0.343,0.187], g[1.657,0.181]
1/1 [=====] - 0s 82ms/step
>3346, dr[0.552,0.515], df[0.429,0.191], g[1.667,0.190]
1/1 [=====] - 0s 79ms/step
>3347, dr[0.514,0.217], df[0.564,0.134], g[1.650,0.158]
1/1 [=====] - 0s 75ms/step
>3348, dr[0.404,0.357], df[0.394,0.120], g[1.644,0.148]
1/1 [=====] - 0s 81ms/step
>3349, dr[0.606,0.223], df[0.482,0.137], g[1.412,0.132]
1/1 [=====] - 0s 72ms/step
>3350, dr[0.632,0.626], df[0.804,0.121], g[1.428,0.160]
1/1 [=====] - 0s 78ms/step
>3351, dr[0.782,0.557], df[0.611,0.077], g[1.362,0.140]
1/1 [=====] - 0s 98ms/step
>3352, dr[0.358,1.115], df[0.500,0.174], g[1.543,0.163]
1/1 [=====] - 0s 87ms/step
>3353, dr[0.405,0.275], df[0.686,0.175], g[1.504,0.116]
1/1 [=====] - 0s 82ms/step
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>3354, dr[0.549,0.284], df[0.285,0.026], g[1.496,0.064]
1/1 [=====] - 0s 82ms/step
>3355, dr[0.412,0.591], df[0.555,0.397], g[1.823,0.116]
1/1 [=====] - 0s 74ms/step
>3356, dr[0.843,0.417], df[0.581,0.144], g[1.464,0.149]
1/1 [=====] - 0s 91ms/step
>3357, dr[0.529,0.600], df[0.642,0.081], g[1.063,0.250]
1/1 [=====] - 0s 95ms/step
>3358, dr[0.427,0.635], df[0.783,0.152], g[1.537,0.134]
1/1 [=====] - 0s 84ms/step
>3359, dr[0.696,0.470], df[0.368,0.291], g[1.607,0.195]
1/1 [=====] - 0s 84ms/step
>3360, dr[0.465,0.598], df[0.464,0.114], g[1.464,0.291]
1/1 [=====] - 0s 77ms/step
>3361, dr[0.471,0.373], df[0.486,0.155], g[1.686,0.137]
1/1 [=====] - 0s 76ms/step
>3362, dr[0.362,0.349], df[0.434,0.107], g[1.565,0.189]
1/1 [=====] - 0s 75ms/step
>3363, dr[0.716,0.360], df[0.613,0.068], g[1.447,0.138]
1/1 [=====] - 0s 75ms/step
>3364, dr[0.488,0.767], df[0.657,0.133], g[1.582,0.106]
1/1 [=====] - 0s 85ms/step
>3365, dr[0.518,0.750], df[0.490,0.167], g[1.718,0.068]
1/1 [=====] - 0s 79ms/step
>3366, dr[0.502,0.260], df[0.532,0.171], g[1.701,0.181]
1/1 [=====] - 0s 76ms/step
>3367, dr[0.588,0.456], df[0.618,0.054], g[1.456,0.151]
1/1 [=====] - 0s 78ms/step
>3368, dr[0.469,0.515], df[0.583,0.192], g[1.608,0.082]
1/1 [=====] - 0s 75ms/step
>3369, dr[0.580,0.183], df[0.412,0.119], g[1.704,0.110]
1/1 [=====] - 0s 79ms/step
>3370, dr[0.665,0.446], df[0.590,0.142], g[1.510,0.086]
1/1 [=====] - 0s 85ms/step
>3371, dr[0.339,0.280], df[0.623,0.089], g[1.882,0.211]
1/1 [=====] - 0s 80ms/step
>3372, dr[0.428,0.266], df[0.367,0.170], g[1.465,0.165]
1/1 [=====] - 0s 72ms/step
>3373, dr[0.527,0.862], df[0.538,0.065], g[1.624,0.137]
1/1 [=====] - 0s 75ms/step
>3374, dr[0.511,1.073], df[0.597,0.239], g[1.493,0.116]
1/1 [=====] - 0s 75ms/step
>3375, dr[0.384,0.524], df[0.440,0.087], g[1.443,0.145]
1/1 [=====] - 0s 75ms/step
>3376, dr[0.683,0.689], df[0.535,0.137], g[1.434,0.165]
1/1 [=====] - 0s 82ms/step
>3377, dr[0.433,0.560], df[0.537,0.107], g[1.527,0.239]
1/1 [=====] - 0s 80ms/step
>3378, dr[0.477,0.489], df[0.496,0.257], g[1.760,0.066]
1/1 [=====] - 0s 85ms/step
>3379, dr[0.581,0.891], df[0.686,0.089], g[1.494,0.214]
1/1 [=====] - 0s 82ms/step
>3380, dr[0.736,0.535], df[0.492,0.100], g[1.536,0.068]
1/1 [=====] - 0s 74ms/step
>3381, dr[0.363,0.634], df[0.387,0.242], g[1.333,0.186]
1/1 [=====] - 0s 76ms/step
>3382, dr[0.368,0.522], df[0.602,0.082], g[1.688,0.065]
1/1 [=====] - 0s 75ms/step
>3383, dr[0.413,0.479], df[0.532,0.299], g[1.778,0.135]
1/1 [=====] - 0s 79ms/step
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>3384, dr[0.874,0.380], df[0.588,0.196], g[1.595,0.272]
1/1 [=====] - 0s 77ms/step
>3385, dr[0.476,0.778], df[0.526,0.112], g[1.543,0.140]
1/1 [=====] - 0s 76ms/step
>3386, dr[0.548,0.706], df[0.417,0.038], g[1.312,0.162]
1/1 [=====] - 0s 74ms/step
>3387, dr[0.400,0.485], df[0.764,0.129], g[1.745,0.091]
1/1 [=====] - 0s 76ms/step
>3388, dr[0.665,0.303], df[0.549,0.085], g[1.755,0.237]
1/1 [=====] - 0s 79ms/step
>3389, dr[0.734,0.813], df[0.673,0.218], g[1.596,0.104]
1/1 [=====] - 0s 74ms/step
>3390, dr[0.474,0.347], df[0.456,0.119], g[1.658,0.213]
1/1 [=====] - 0s 80ms/step
>3391, dr[0.492,0.921], df[0.492,0.257], g[1.549,0.168]
1/1 [=====] - 0s 78ms/step
>3392, dr[0.420,0.695], df[0.441,0.168], g[1.872,0.091]
1/1 [=====] - 0s 76ms/step
>3393, dr[0.654,1.027], df[0.426,0.135], g[1.280,0.079]
1/1 [=====] - 0s 78ms/step
>3394, dr[0.348,0.282], df[0.406,0.070], g[1.321,0.207]
1/1 [=====] - 0s 75ms/step
>3395, dr[0.453,0.207], df[0.561,0.139], g[1.411,0.095]
1/1 [=====] - 0s 80ms/step
>3396, dr[0.594,0.671], df[0.549,0.220], g[1.344,0.109]
1/1 [=====] - 0s 78ms/step
>3397, dr[0.377,0.282], df[0.759,0.264], g[1.625,0.197]
1/1 [=====] - 0s 82ms/step
>3398, dr[0.627,0.901], df[0.604,0.165], g[1.630,0.095]
1/1 [=====] - 0s 78ms/step
>3399, dr[0.672,1.260], df[0.497,0.067], g[1.573,0.152]
1/1 [=====] - 0s 76ms/step
>3400, dr[0.557,0.491], df[0.636,0.116], g[1.545,0.090]
1/1 [=====] - 0s 77ms/step
>3401, dr[0.456,0.672], df[0.348,0.067], g[1.228,0.216]
1/1 [=====] - 0s 77ms/step
>3402, dr[0.585,0.573], df[0.560,0.114], g[1.149,0.089]
1/1 [=====] - 0s 84ms/step
>3403, dr[0.373,0.387], df[0.636,0.126], g[1.336,0.243]
1/1 [=====] - 0s 75ms/step
>3404, dr[0.502,0.996], df[0.482,0.110], g[1.330,0.220]
1/1 [=====] - 0s 82ms/step
>3405, dr[0.507,0.413], df[0.493,0.100], g[1.594,0.112]
1/1 [=====] - 0s 79ms/step
>3406, dr[0.435,0.618], df[0.506,0.091], g[1.445,0.113]
1/1 [=====] - 0s 76ms/step
>3407, dr[0.620,0.660], df[0.531,0.098], g[1.552,0.175]
1/1 [=====] - 0s 79ms/step
>3408, dr[0.467,0.247], df[0.649,0.100], g[1.493,0.162]
1/1 [=====] - 0s 80ms/step
>3409, dr[0.472,0.482], df[0.445,0.081], g[1.706,0.110]
1/1 [=====] - 0s 82ms/step
>3410, dr[0.459,0.342], df[0.315,0.127], g[1.595,0.100]
1/1 [=====] - 0s 75ms/step
>3411, dr[0.605,0.392], df[0.491,0.108], g[1.636,0.179]
1/1 [=====] - 0s 81ms/step
>3412, dr[0.503,0.317], df[0.397,0.112], g[1.545,0.156]
1/1 [=====] - 0s 77ms/step
>3413, dr[0.279,0.530], df[0.454,0.114], g[1.579,0.080]
1/1 [=====] - 0s 74ms/step
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>3414, dr[0.603,0.419], df[0.437,0.153], g[1.145,0.225]
1/1 [=====] - 0s 75ms/step
>3415, dr[0.311,0.675], df[0.511,0.144], g[1.513,0.119]
1/1 [=====] - 0s 75ms/step
>3416, dr[0.397,0.339], df[0.399,0.103], g[1.818,0.112]
1/1 [=====] - 0s 83ms/step
>3417, dr[0.620,0.391], df[0.427,0.254], g[1.430,0.135]
1/1 [=====] - 0s 81ms/step
>3418, dr[0.528,0.466], df[0.603,0.221], g[1.494,0.259]
1/1 [=====] - 0s 83ms/step
>3419, dr[0.522,0.660], df[0.672,0.213], g[1.427,0.189]
1/1 [=====] - 0s 73ms/step
>3420, dr[0.325,0.577], df[0.351,0.198], g[1.582,0.129]
1/1 [=====] - 0s 75ms/step
>3421, dr[0.672,0.667], df[0.640,0.124], g[1.534,0.200]
1/1 [=====] - 0s 83ms/step
>3422, dr[0.678,0.616], df[0.673,0.169], g[1.495,0.194]
1/1 [=====] - 0s 75ms/step
>3423, dr[0.469,0.537], df[0.553,0.233], g[1.410,0.205]
1/1 [=====] - 0s 85ms/step
>3424, dr[0.591,0.759], df[0.450,0.185], g[1.422,0.246]
1/1 [=====] - 0s 74ms/step
>3425, dr[0.444,0.509], df[0.724,0.207], g[1.539,0.210]
1/1 [=====] - 0s 79ms/step
>3426, dr[0.521,0.634], df[0.429,0.079], g[1.375,0.184]
1/1 [=====] - 0s 73ms/step
>3427, dr[0.506,0.641], df[0.313,0.153], g[1.370,0.174]
1/1 [=====] - 0s 73ms/step
>3428, dr[0.526,0.495], df[0.767,0.097], g[1.436,0.116]
1/1 [=====] - 0s 74ms/step
>3429, dr[0.393,0.266], df[0.542,0.046], g[1.426,0.172]
1/1 [=====] - 0s 76ms/step
>3430, dr[0.701,0.452], df[0.591,0.095], g[1.552,0.082]
1/1 [=====] - 0s 81ms/step
>3431, dr[0.624,0.476], df[0.648,0.131], g[1.974,0.140]
1/1 [=====] - 0s 73ms/step
>3432, dr[0.577,0.552], df[0.473,0.124], g[1.693,0.166]
1/1 [=====] - 0s 80ms/step
>3433, dr[0.599,0.498], df[0.618,0.036], g[1.624,0.064]
1/1 [=====] - 0s 87ms/step
>3434, dr[0.352,0.736], df[0.417,0.109], g[1.700,0.195]
1/1 [=====] - 0s 84ms/step
>3435, dr[0.516,0.362], df[0.598,0.190], g[1.392,0.269]
1/1 [=====] - 0s 87ms/step
>3436, dr[0.613,0.358], df[0.340,0.069], g[1.440,0.118]
1/1 [=====] - 0s 80ms/step
>3437, dr[0.568,0.283], df[0.314,0.185], g[1.003,0.168]
1/1 [=====] - 0s 82ms/step
>3438, dr[0.435,0.481], df[0.545,0.127], g[1.186,0.146]
1/1 [=====] - 0s 80ms/step
>3439, dr[0.330,0.802], df[0.528,0.090], g[1.365,0.098]
1/1 [=====] - 0s 75ms/step
>3440, dr[0.383,0.503], df[0.537,0.284], g[1.455,0.139]
1/1 [=====] - 0s 79ms/step
>3441, dr[0.394,0.269], df[0.322,0.202], g[1.639,0.138]
1/1 [=====] - 0s 73ms/step
>3442, dr[0.496,0.402], df[0.455,0.125], g[1.379,0.295]
1/1 [=====] - 0s 83ms/step
>3443, dr[0.502,0.672], df[0.604,0.104], g[1.561,0.167]
1/1 [=====] - 0s 76ms/step
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>3444, dr[0.468,0.210], df[0.574,0.076], g[1.502,0.106]
1/1 [=====] - 0s 79ms/step
>3445, dr[0.461,0.443], df[0.375,0.213], g[1.518,0.242]
1/1 [=====] - 0s 82ms/step
>3446, dr[0.408,0.359], df[0.401,0.051], g[1.732,0.139]
1/1 [=====] - 0s 75ms/step
>3447, dr[0.435,0.640], df[0.473,0.087], g[1.488,0.099]
1/1 [=====] - 0s 76ms/step
>3448, dr[0.396,0.384], df[0.554,0.125], g[1.724,0.132]
1/1 [=====] - 0s 75ms/step
>3449, dr[0.525,0.318], df[0.442,0.168], g[1.795,0.188]
1/1 [=====] - 0s 82ms/step
>3450, dr[0.710,0.671], df[0.520,0.087], g[1.566,0.148]
1/1 [=====] - 0s 80ms/step
>3451, dr[0.547,0.764], df[0.675,0.159], g[1.317,0.109]
1/1 [=====] - 0s 78ms/step
>3452, dr[0.320,0.657], df[0.463,0.099], g[1.590,0.174]
1/1 [=====] - 0s 76ms/step
>3453, dr[0.644,0.476], df[0.423,0.016], g[1.426,0.127]
1/1 [=====] - 0s 79ms/step
>3454, dr[0.572,0.349], df[0.430,0.128], g[1.428,0.072]
1/1 [=====] - 0s 81ms/step
>3455, dr[0.304,0.939], df[0.415,0.204], g[1.388,0.112]
1/1 [=====] - 0s 82ms/step
>3456, dr[0.476,0.434], df[0.715,0.186], g[1.420,0.131]
1/1 [=====] - 0s 87ms/step
>3457, dr[0.572,0.521], df[0.430,0.274], g[1.302,0.122]
1/1 [=====] - 0s 77ms/step
>3458, dr[0.502,0.316], df[0.527,0.166], g[1.655,0.280]
1/1 [=====] - 0s 82ms/step
>3459, dr[0.499,0.455], df[0.507,0.057], g[1.380,0.131]
1/1 [=====] - 0s 99ms/step
>3460, dr[0.471,0.218], df[0.391,0.107], g[1.725,0.072]
1/1 [=====] - 0s 83ms/step
>3461, dr[0.755,0.721], df[0.538,0.090], g[1.357,0.117]
1/1 [=====] - 0s 85ms/step
>3462, dr[0.320,0.315], df[0.627,0.109], g[1.384,0.053]
1/1 [=====] - 0s 78ms/step
>3463, dr[0.457,0.608], df[0.444,0.094], g[1.525,0.152]
1/1 [=====] - 0s 99ms/step
>3464, dr[0.678,0.551], df[0.682,0.355], g[1.210,0.106]
1/1 [=====] - 0s 76ms/step
>3465, dr[0.443,0.477], df[0.581,0.097], g[1.804,0.097]
1/1 [=====] - 0s 74ms/step
>3466, dr[0.529,0.763], df[0.498,0.124], g[1.490,0.060]
1/1 [=====] - 0s 86ms/step
>3467, dr[0.672,0.623], df[0.450,0.308], g[1.598,0.100]
1/1 [=====] - 0s 90ms/step
>3468, dr[0.416,0.474], df[0.500,0.119], g[1.296,0.166]
1/1 [=====] - 0s 93ms/step
>3469, dr[0.550,0.721], df[0.435,0.108], g[1.316,0.093]
1/1 [=====] - 0s 76ms/step
>3470, dr[0.483,0.392], df[0.434,0.094], g[1.179,0.117]
1/1 [=====] - 0s 78ms/step
>3471, dr[0.323,0.236], df[0.601,0.134], g[1.124,0.166]
1/1 [=====] - 0s 82ms/step
>3472, dr[0.362,0.245], df[0.492,0.065], g[1.363,0.219]
1/1 [=====] - 0s 79ms/step
>3473, dr[0.439,0.311], df[0.530,0.058], g[1.329,0.156]
1/1 [=====] - 0s 91ms/step
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>3474, dr[0.585,0.695], df[0.378,0.156], g[1.257,0.138]
1/1 [=====] - 0s 79ms/step
>3475, dr[0.413,0.237], df[0.718,0.089], g[1.635,0.177]
1/1 [=====] - 0s 76ms/step
>3476, dr[0.566,0.388], df[0.529,0.130], g[1.694,0.145]
1/1 [=====] - 0s 79ms/step
>3477, dr[0.637,0.426], df[0.420,0.057], g[1.450,0.170]
1/1 [=====] - 0s 76ms/step
>3478, dr[0.480,0.571], df[0.661,0.257], g[1.532,0.122]
1/1 [=====] - 0s 87ms/step
>3479, dr[0.469,0.384], df[0.526,0.048], g[1.857,0.085]
1/1 [=====] - 0s 75ms/step
>3480, dr[0.458,0.658], df[0.430,0.266], g[1.563,0.094]
1/1 [=====] - 0s 82ms/step
>3481, dr[0.580,0.745], df[0.446,0.055], g[1.452,0.215]
1/1 [=====] - 0s 78ms/step
>3482, dr[0.455,0.546], df[0.673,0.233], g[1.440,0.207]
1/1 [=====] - 0s 77ms/step
>3483, dr[0.427,0.341], df[0.537,0.171], g[1.761,0.114]
1/1 [=====] - 0s 86ms/step
>3484, dr[0.467,0.318], df[0.434,0.081], g[1.613,0.136]
1/1 [=====] - 0s 74ms/step
>3485, dr[0.579,0.403], df[0.463,0.068], g[1.445,0.275]
1/1 [=====] - 0s 83ms/step
>3486, dr[0.553,0.644], df[0.506,0.165], g[1.579,0.097]
1/1 [=====] - 0s 80ms/step
>3487, dr[0.523,0.589], df[0.560,0.033], g[1.533,0.059]
1/1 [=====] - 0s 81ms/step
>3488, dr[0.324,0.403], df[0.452,0.112], g[1.548,0.182]
1/1 [=====] - 0s 76ms/step
>3489, dr[0.502,0.952], df[0.490,0.123], g[1.670,0.089]
1/1 [=====] - 0s 82ms/step
>3490, dr[0.670,0.557], df[0.369,0.077], g[1.372,0.069]
1/1 [=====] - 0s 80ms/step
>3491, dr[0.415,0.476], df[0.664,0.136], g[1.382,0.154]
1/1 [=====] - 0s 82ms/step
>3492, dr[0.465,0.475], df[0.601,0.158], g[1.483,0.134]
1/1 [=====] - 0s 75ms/step
>3493, dr[0.398,0.431], df[0.335,0.040], g[1.328,0.144]
1/1 [=====] - 0s 80ms/step
>3494, dr[0.345,0.402], df[0.757,0.167], g[1.352,0.091]
1/1 [=====] - 0s 76ms/step
>3495, dr[0.524,0.518], df[0.436,0.120], g[1.826,0.144]
1/1 [=====] - 0s 86ms/step
>3496, dr[0.583,0.417], df[0.573,0.141], g[1.535,0.067]
1/1 [=====] - 0s 80ms/step
>3497, dr[0.424,0.625], df[0.406,0.181], g[1.725,0.129]
1/1 [=====] - 0s 81ms/step
>3498, dr[0.509,0.345], df[0.477,0.056], g[1.554,0.167]
1/1 [=====] - 0s 74ms/step
>3499, dr[0.753,0.721], df[0.720,0.208], g[1.378,0.038]
1/1 [=====] - 0s 73ms/step
>3500, dr[0.482,0.507], df[0.415,0.277], g[1.500,0.162]
1/1 [=====] - 0s 79ms/step
>3501, dr[0.449,0.275], df[0.622,0.317], g[1.259,0.099]
1/1 [=====] - 0s 74ms/step
>3502, dr[0.430,0.524], df[0.466,0.062], g[1.460,0.151]
1/1 [=====] - 0s 86ms/step
>3503, dr[0.630,0.424], df[0.403,0.180], g[1.457,0.129]
1/1 [=====] - 0s 75ms/step
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>3504, dr[0.530,0.552], df[0.590,0.177], g[1.297,0.078]
1/1 [=====] - 0s 85ms/step
>3505, dr[0.419,0.314], df[0.413,0.157], g[1.184,0.199]
1/1 [=====] - 0s 79ms/step
>3506, dr[0.467,0.497], df[0.544,0.118], g[1.440,0.146]
1/1 [=====] - 0s 76ms/step
>3507, dr[0.499,0.568], df[0.578,0.409], g[1.459,0.154]
1/1 [=====] - 0s 82ms/step
>3508, dr[0.458,0.702], df[0.554,0.117], g[1.775,0.103]
1/1 [=====] - 0s 74ms/step
>3509, dr[0.537,0.384], df[0.476,0.126], g[1.636,0.168]
1/1 [=====] - 0s 84ms/step
>3510, dr[0.523,0.410], df[0.424,0.134], g[1.454,0.205]
1/1 [=====] - 0s 73ms/step
>3511, dr[0.430,0.550], df[0.383,0.165], g[1.366,0.190]
1/1 [=====] - 0s 79ms/step
>3512, dr[0.411,0.602], df[0.555,0.101], g[1.427,0.190]
1/1 [=====] - 0s 80ms/step
>3513, dr[0.506,0.749], df[0.524,0.139], g[1.876,0.063]
1/1 [=====] - 0s 76ms/step
>3514, dr[0.467,0.282], df[0.568,0.175], g[1.480,0.118]
1/1 [=====] - 0s 83ms/step
>3515, dr[0.480,0.567], df[0.575,0.152], g[1.843,0.100]
1/1 [=====] - 0s 83ms/step
>3516, dr[0.531,0.355], df[0.478,0.132], g[1.572,0.195]
1/1 [=====] - 0s 84ms/step
>3517, dr[0.648,0.487], df[0.518,0.177], g[1.490,0.177]
1/1 [=====] - 0s 82ms/step
>3518, dr[0.522,0.548], df[0.584,0.062], g[1.435,0.153]
1/1 [=====] - 0s 75ms/step
>3519, dr[0.495,0.476], df[0.704,0.172], g[1.723,0.105]
1/1 [=====] - 0s 83ms/step
>3520, dr[0.529,0.318], df[0.412,0.057], g[1.636,0.042]
1/1 [=====] - 0s 78ms/step
>3521, dr[0.480,0.384], df[0.666,0.126], g[1.688,0.158]
1/1 [=====] - 0s 82ms/step
>3522, dr[0.465,0.326], df[0.582,0.196], g[1.569,0.247]
1/1 [=====] - 0s 74ms/step
>3523, dr[0.509,0.399], df[0.435,0.202], g[1.545,0.094]
1/1 [=====] - 0s 81ms/step
>3524, dr[0.557,0.371], df[0.404,0.407], g[1.593,0.061]
1/1 [=====] - 0s 80ms/step
>3525, dr[0.482,0.799], df[0.609,0.179], g[1.442,0.103]
1/1 [=====] - 0s 76ms/step
>3526, dr[0.357,0.299], df[0.542,0.153], g[1.664,0.093]
1/1 [=====] - 0s 82ms/step
>3527, dr[0.672,1.023], df[0.549,0.097], g[1.583,0.130]
1/1 [=====] - 0s 75ms/step
>3528, dr[0.578,0.234], df[0.450,0.077], g[1.529,0.153]
1/1 [=====] - 0s 86ms/step
>3529, dr[0.530,0.437], df[0.751,0.149], g[1.749,0.172]
1/1 [=====] - 0s 76ms/step
>3530, dr[0.484,0.464], df[0.453,0.126], g[1.850,0.083]
1/1 [=====] - 0s 84ms/step
>3531, dr[0.590,0.352], df[0.395,0.106], g[1.354,0.163]
1/1 [=====] - 0s 81ms/step
>3532, dr[0.462,0.675], df[0.661,0.176], g[1.674,0.055]
1/1 [=====] - 0s 74ms/step
>3533, dr[0.408,0.439], df[0.469,0.060], g[1.589,0.089]
1/1 [=====] - 0s 82ms/step
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>3534, dr[0.501,0.709], df[0.419,0.128], g[1.555,0.153]
1/1 [=====] - 0s 77ms/step
>3535, dr[0.553,0.431], df[0.597,0.155], g[1.229,0.121]
1/1 [=====] - 0s 79ms/step
>3536, dr[0.322,0.278], df[0.778,0.195], g[1.833,0.103]
1/1 [=====] - 0s 85ms/step
>3537, dr[0.657,0.619], df[0.460,0.145], g[1.737,0.253]
1/1 [=====] - 0s 83ms/step
>3538, dr[0.453,0.445], df[0.422,0.214], g[1.594,0.168]
1/1 [=====] - 0s 96ms/step
>3539, dr[0.864,0.315], df[0.482,0.090], g[1.259,0.093]
1/1 [=====] - 0s 86ms/step
>3540, dr[0.306,0.337], df[0.742,0.104], g[1.615,0.067]
1/1 [=====] - 0s 83ms/step
>3541, dr[0.703,0.532], df[0.556,0.073], g[1.450,0.143]
1/1 [=====] - 0s 78ms/step
>3542, dr[0.368,0.664], df[0.386,0.063], g[1.803,0.113]
1/1 [=====] - 0s 74ms/step
>3543, dr[0.631,0.328], df[0.526,0.356], g[1.359,0.130]
1/1 [=====] - 0s 83ms/step
>3544, dr[0.592,0.388], df[0.617,0.101], g[1.485,0.087]
1/1 [=====] - 0s 77ms/step
>3545, dr[0.375,0.625], df[0.605,0.149], g[1.394,0.253]
1/1 [=====] - 0s 82ms/step
>3546, dr[0.617,0.342], df[0.654,0.074], g[1.368,0.083]
1/1 [=====] - 0s 75ms/step
>3547, dr[0.471,0.571], df[0.415,0.135], g[1.364,0.090]
1/1 [=====] - 0s 80ms/step
>3548, dr[0.464,0.408], df[0.449,0.107], g[1.506,0.141]
1/1 [=====] - 0s 82ms/step
>3549, dr[0.392,0.330], df[0.359,0.172], g[1.369,0.087]
1/1 [=====] - 0s 74ms/step
>3550, dr[0.772,0.690], df[0.710,0.287], g[1.482,0.111]
1/1 [=====] - 0s 86ms/step
>3551, dr[0.535,0.344], df[0.432,0.178], g[1.362,0.115]
1/1 [=====] - 0s 76ms/step
>3552, dr[0.540,0.696], df[0.886,0.254], g[1.168,0.116]
1/1 [=====] - 0s 80ms/step
>3553, dr[0.406,0.284], df[0.430,0.118], g[1.577,0.149]
1/1 [=====] - 0s 76ms/step
>3554, dr[0.546,0.433], df[0.571,0.119], g[1.376,0.126]
1/1 [=====] - 0s 79ms/step
>3555, dr[0.586,0.737], df[0.483,0.220], g[1.327,0.077]
1/1 [=====] - 0s 82ms/step
>3556, dr[0.472,0.393], df[0.377,0.138], g[1.211,0.074]
1/1 [=====] - 0s 79ms/step
>3557, dr[0.392,0.695], df[0.550,0.053], g[1.398,0.120]
1/1 [=====] - 0s 84ms/step
>3558, dr[0.477,0.507], df[0.671,0.136], g[1.620,0.131]
1/1 [=====] - 0s 79ms/step
>3559, dr[0.495,0.312], df[0.396,0.185], g[1.411,0.200]
1/1 [=====] - 0s 74ms/step
>3560, dr[0.618,0.411], df[0.563,0.135], g[1.421,0.189]
1/1 [=====] - 0s 85ms/step
>3561, dr[0.387,0.595], df[0.556,0.084], g[1.405,0.154]
1/1 [=====] - 0s 87ms/step
>3562, dr[0.633,0.570], df[0.677,0.154], g[1.480,0.103]
1/1 [=====] - 0s 82ms/step
>3563, dr[0.429,0.575], df[0.388,0.106], g[1.597,0.134]
1/1 [=====] - 0s 84ms/step
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>3564, dr[0.524,0.457], df[0.675,0.192], g[1.670,0.075]
1/1 [=====] - 0s 81ms/step
>3565, dr[0.746,0.930], df[0.843,0.152], g[1.401,0.150]
1/1 [=====] - 0s 74ms/step
>3566, dr[0.400,0.430], df[0.432,0.189], g[1.803,0.253]
1/1 [=====] - 0s 75ms/step
>3567, dr[0.671,0.537], df[0.415,0.170], g[1.486,0.072]
1/1 [=====] - 0s 84ms/step
>3568, dr[0.708,0.345], df[0.486,0.089], g[1.333,0.126]
1/1 [=====] - 0s 76ms/step
>3569, dr[0.355,0.468], df[0.447,0.027], g[1.389,0.084]
1/1 [=====] - 0s 79ms/step
>3570, dr[0.445,0.289], df[0.498,0.107], g[1.380,0.123]
1/1 [=====] - 0s 79ms/step
>3571, dr[0.417,0.604], df[0.556,0.045], g[1.521,0.085]
1/1 [=====] - 0s 81ms/step
>3572, dr[0.350,0.508], df[0.519,0.217], g[1.454,0.125]
1/1 [=====] - 0s 78ms/step
>3573, dr[0.689,0.340], df[0.549,0.091], g[1.320,0.096]
1/1 [=====] - 0s 77ms/step
>3574, dr[0.397,0.417], df[0.618,0.214], g[1.793,0.069]
1/1 [=====] - 0s 82ms/step
>3575, dr[0.531,0.745], df[0.400,0.147], g[1.668,0.126]
1/1 [=====] - 0s 74ms/step
>3576, dr[0.558,0.585], df[0.593,0.342], g[1.531,0.053]
1/1 [=====] - 0s 84ms/step
>3577, dr[0.455,0.341], df[0.430,0.158], g[1.365,0.276]
1/1 [=====] - 0s 88ms/step
>3578, dr[0.409,0.784], df[0.510,0.251], g[1.288,0.121]
1/1 [=====] - 0s 76ms/step
>3579, dr[0.611,0.478], df[0.629,0.127], g[1.674,0.059]
1/1 [=====] - 0s 82ms/step
>3580, dr[0.702,0.357], df[0.630,0.085], g[1.375,0.066]
1/1 [=====] - 0s 74ms/step
>3581, dr[0.457,0.820], df[0.516,0.095], g[1.609,0.143]
1/1 [=====] - 0s 83ms/step
>3582, dr[0.442,0.838], df[0.348,0.135], g[1.429,0.160]
1/1 [=====] - 0s 82ms/step
>3583, dr[0.485,0.808], df[0.418,0.173], g[1.308,0.204]
1/1 [=====] - 0s 95ms/step
>3584, dr[0.434,0.502], df[0.560,0.233], g[1.519,0.094]
1/1 [=====] - 0s 143ms/step
>3585, dr[0.542,0.443], df[0.478,0.071], g[1.215,0.227]
1/1 [=====] - 0s 84ms/step
>3586, dr[0.318,0.236], df[0.446,0.134], g[1.643,0.165]
1/1 [=====] - 0s 100ms/step
>3587, dr[0.670,0.559], df[0.589,0.198], g[1.162,0.210]
1/1 [=====] - 0s 111ms/step
>3588, dr[0.655,0.480], df[0.447,0.363], g[1.345,0.174]
1/1 [=====] - 0s 106ms/step
>3589, dr[0.488,0.446], df[0.552,0.139], g[1.411,0.068]
1/1 [=====] - 0s 83ms/step
>3590, dr[0.384,0.429], df[0.628,0.233], g[1.659,0.066]
1/1 [=====] - 0s 94ms/step
>3591, dr[0.576,0.695], df[0.450,0.214], g[1.791,0.083]
1/1 [=====] - 0s 84ms/step
>3592, dr[0.557,0.639], df[0.631,0.272], g[1.545,0.118]
1/1 [=====] - 0s 83ms/step
>3593, dr[0.877,0.348], df[0.462,0.137], g[1.343,0.180]
1/1 [=====] - 0s 89ms/step
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>3594, dr[0.388,0.450], df[0.572,0.153], g[1.481,0.136]
1/1 [=====] - 0s 84ms/step
>3595, dr[0.331,0.577], df[0.612,0.076], g[1.610,0.101]
1/1 [=====] - 0s 84ms/step
>3596, dr[0.658,0.740], df[0.383,0.328], g[1.371,0.171]
1/1 [=====] - 0s 85ms/step
>3597, dr[0.517,0.454], df[0.501,0.070], g[1.221,0.200]
1/1 [=====] - 0s 78ms/step
>3598, dr[0.460,0.476], df[0.625,0.089], g[1.324,0.081]
1/1 [=====] - 0s 92ms/step
>3599, dr[0.347,0.285], df[0.452,0.238], g[1.722,0.143]
1/1 [=====] - 0s 85ms/step
>3600, dr[0.571,0.507], df[0.516,0.098], g[1.487,0.171]
1/1 [=====] - 0s 80ms/step
>3601, dr[0.625,0.231], df[0.515,0.166], g[1.426,0.094]
1/1 [=====] - 0s 90ms/step
>3602, dr[0.444,0.537], df[0.438,0.128], g[1.439,0.087]
1/1 [=====] - 0s 80ms/step
>3603, dr[0.236,0.417], df[0.514,0.109], g[1.588,0.097]
1/1 [=====] - 0s 87ms/step
>3604, dr[0.506,0.635], df[0.386,0.232], g[1.375,0.168]
1/1 [=====] - 0s 80ms/step
>3605, dr[0.440,0.840], df[0.405,0.104], g[1.531,0.115]
1/1 [=====] - 0s 84ms/step
>3606, dr[0.642,0.512], df[0.660,0.070], g[1.202,0.170]
1/1 [=====] - 0s 85ms/step
>3607, dr[0.461,0.423], df[0.668,0.104], g[1.390,0.102]
1/1 [=====] - 0s 81ms/step
>3608, dr[0.468,0.523], df[0.537,0.271], g[1.546,0.081]
1/1 [=====] - 0s 79ms/step
>3609, dr[0.752,0.800], df[0.451,0.171], g[1.666,0.074]
1/1 [=====] - 0s 85ms/step
>3610, dr[0.511,0.159], df[0.598,0.072], g[1.281,0.108]
1/1 [=====] - 0s 82ms/step
>3611, dr[0.462,0.557], df[0.559,0.271], g[1.410,0.097]
1/1 [=====] - 0s 87ms/step
>3612, dr[0.463,0.313], df[0.518,0.233], g[1.562,0.135]
1/1 [=====] - 0s 79ms/step
>3613, dr[0.604,1.032], df[0.333,0.197], g[1.289,0.181]
1/1 [=====] - 0s 84ms/step
>3614, dr[0.558,0.343], df[0.467,0.093], g[1.096,0.200]
1/1 [=====] - 0s 80ms/step
>3615, dr[0.393,0.489], df[0.571,0.115], g[1.540,0.085]
1/1 [=====] - 0s 77ms/step
>3616, dr[0.471,0.429], df[0.573,0.114], g[1.617,0.067]
1/1 [=====] - 0s 85ms/step
>3617, dr[0.597,0.845], df[0.468,0.064], g[1.670,0.135]
1/1 [=====] - 0s 78ms/step
>3618, dr[0.471,0.477], df[0.410,0.063], g[1.198,0.187]
1/1 [=====] - 0s 78ms/step
>3619, dr[0.320,0.611], df[0.523,0.162], g[1.624,0.178]
1/1 [=====] - 0s 83ms/step
>3620, dr[0.521,0.610], df[0.359,0.104], g[1.412,0.132]
1/1 [=====] - 0s 79ms/step
>3621, dr[0.541,0.364], df[0.535,0.188], g[1.399,0.141]
1/1 [=====] - 0s 83ms/step
>3622, dr[0.462,0.403], df[0.789,0.262], g[1.720,0.142]
1/1 [=====] - 0s 84ms/step
>3623, dr[0.614,0.490], df[0.304,0.128], g[1.621,0.110]
1/1 [=====] - 0s 79ms/step
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>3624, dr[0.383,0.847], df[0.520,0.069], g[1.344,0.106]
1/1 [=====] - 0s 75ms/step
>3625, dr[0.453,0.609], df[0.403,0.124], g[1.462,0.114]
1/1 [=====] - 0s 76ms/step
>3626, dr[0.591,0.397], df[0.717,0.134], g[1.387,0.154]
1/1 [=====] - 0s 83ms/step
>3627, dr[0.346,0.492], df[0.397,0.098], g[1.788,0.109]
1/1 [=====] - 0s 72ms/step
>3628, dr[0.510,0.814], df[0.488,0.226], g[1.710,0.156]
1/1 [=====] - 0s 97ms/step
>3629, dr[0.426,0.263], df[0.464,0.151], g[1.375,0.197]
1/1 [=====] - 0s 78ms/step
>3630, dr[0.560,0.318], df[0.526,0.221], g[1.788,0.094]
1/1 [=====] - 0s 74ms/step
>3631, dr[0.460,0.684], df[0.507,0.093], g[1.463,0.053]
1/1 [=====] - 0s 83ms/step
>3632, dr[0.606,0.522], df[0.402,0.049], g[1.428,0.054]
1/1 [=====] - 0s 74ms/step
>3633, dr[0.458,0.136], df[0.474,0.065], g[1.428,0.027]
1/1 [=====] - 0s 78ms/step
>3634, dr[0.432,0.111], df[0.507,0.229], g[1.580,0.139]
1/1 [=====] - 0s 75ms/step
>3635, dr[0.545,0.721], df[0.786,0.149], g[1.450,0.115]
1/1 [=====] - 0s 73ms/step
>3636, dr[0.478,0.866], df[0.488,0.102], g[1.806,0.182]
1/1 [=====] - 0s 79ms/step
>3637, dr[0.664,0.387], df[0.572,0.100], g[1.291,0.084]
1/1 [=====] - 0s 76ms/step
>3638, dr[0.600,0.595], df[0.522,0.118], g[1.606,0.106]
1/1 [=====] - 0s 79ms/step
>3639, dr[0.508,0.846], df[0.607,0.125], g[1.336,0.200]
1/1 [=====] - 0s 74ms/step
>3640, dr[0.615,0.478], df[0.407,0.197], g[1.405,0.159]
1/1 [=====] - 0s 80ms/step
>3641, dr[0.510,0.415], df[0.606,0.038], g[1.458,0.142]
1/1 [=====] - 0s 74ms/step
>3642, dr[0.509,0.524], df[0.571,0.104], g[1.354,0.165]
1/1 [=====] - 0s 81ms/step
>3643, dr[0.599,0.766], df[0.624,0.204], g[1.572,0.096]
1/1 [=====] - 0s 81ms/step
>3644, dr[0.506,0.326], df[0.622,0.231], g[1.367,0.152]
1/1 [=====] - 0s 81ms/step
>3645, dr[0.510,0.492], df[0.395,0.228], g[1.490,0.098]
1/1 [=====] - 0s 84ms/step
>3646, dr[0.526,0.329], df[0.617,0.069], g[1.447,0.228]
1/1 [=====] - 0s 75ms/step
>3647, dr[0.647,0.470], df[0.501,0.519], g[1.332,0.082]
1/1 [=====] - 0s 74ms/step
>3648, dr[0.499,1.079], df[0.607,0.051], g[1.439,0.226]
1/1 [=====] - 0s 77ms/step
>3649, dr[0.509,0.554], df[0.400,0.116], g[1.492,0.157]
1/1 [=====] - 0s 78ms/step
>3650, dr[0.459,0.431], df[0.410,0.062], g[1.460,0.092]
1/1 [=====] - 0s 82ms/step
>3651, dr[0.691,0.369], df[0.511,0.096], g[1.047,0.172]
1/1 [=====] - 0s 76ms/step
>3652, dr[0.266,0.163], df[0.650,0.056], g[1.398,0.169]
1/1 [=====] - 0s 73ms/step
>3653, dr[0.462,1.051], df[0.414,0.113], g[1.695,0.135]
1/1 [=====] - 0s 74ms/step
```

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>3654, dr[0.451,0.751], df[0.437,0.173], g[1.556,0.211]
1/1 [=====] - 0s 76ms/step
>3655, dr[0.537,0.461], df[0.485,0.096], g[1.148,0.174]
1/1 [=====] - 0s 78ms/step
>3656, dr[0.564,0.514], df[0.508,0.118], g[1.365,0.062]
1/1 [=====] - 0s 75ms/step
>3657, dr[0.434,0.324], df[0.565,0.101], g[1.385,0.185]
1/1 [=====] - 0s 85ms/step
>3658, dr[0.511,0.451], df[0.583,0.267], g[1.373,0.150]
1/1 [=====] - 0s 75ms/step
>3659, dr[0.599,0.401], df[0.670,0.140], g[1.393,0.222]
1/1 [=====] - 0s 82ms/step
>3660, dr[0.421,0.281], df[0.386,0.149], g[1.475,0.118]
1/1 [=====] - 0s 79ms/step
>3661, dr[0.664,0.414], df[0.491,0.090], g[1.405,0.154]
1/1 [=====] - 0s 80ms/step
>3662, dr[0.449,0.670], df[0.593,0.207], g[1.482,0.085]
1/1 [=====] - 0s 82ms/step
>3663, dr[0.365,0.453], df[0.371,0.191], g[1.390,0.081]
1/1 [=====] - 0s 75ms/step
>3664, dr[0.574,0.273], df[0.383,0.073], g[1.420,0.083]
1/1 [=====] - 0s 83ms/step
>3665, dr[0.482,0.488], df[0.639,0.069], g[1.456,0.155]
1/1 [=====] - 0s 75ms/step
>3666, dr[0.362,0.708], df[0.417,0.174], g[1.550,0.163]
1/1 [=====] - 0s 89ms/step
>3667, dr[0.646,0.702], df[0.436,0.216], g[1.325,0.112]
1/1 [=====] - 0s 94ms/step
>3668, dr[0.527,0.199], df[0.599,0.072], g[1.442,0.119]
1/1 [=====] - 0s 92ms/step
>3669, dr[0.458,0.314], df[0.495,0.074], g[1.274,0.120]
1/1 [=====] - 0s 98ms/step
>3670, dr[0.472,0.697], df[0.420,0.206], g[1.300,0.178]
1/1 [=====] - 0s 135ms/step
>3671, dr[0.454,0.666], df[0.475,0.152], g[1.471,0.072]
1/1 [=====] - 0s 85ms/step
>3672, dr[0.462,0.611], df[0.644,0.246], g[1.364,0.161]
1/1 [=====] - 0s 79ms/step
>3673, dr[0.529,0.574], df[0.432,0.048], g[1.445,0.079]
1/1 [=====] - 0s 87ms/step
>3674, dr[0.438,0.296], df[0.622,0.051], g[1.825,0.164]
1/1 [=====] - 0s 81ms/step
>3675, dr[0.411,0.423], df[0.523,0.238], g[1.650,0.209]
1/1 [=====] - 0s 80ms/step
>3676, dr[0.735,0.351], df[0.374,0.076], g[1.332,0.131]
1/1 [=====] - 0s 81ms/step
>3677, dr[0.344,0.387], df[0.586,0.097], g[1.476,0.163]
1/1 [=====] - 0s 84ms/step
>3678, dr[0.692,0.390], df[0.551,0.360], g[1.109,0.059]
1/1 [=====] - 0s 92ms/step
>3679, dr[0.409,0.370], df[0.797,0.076], g[1.462,0.122]
1/1 [=====] - 0s 78ms/step
>3680, dr[0.597,0.200], df[0.437,0.279], g[1.591,0.137]
1/1 [=====] - 0s 79ms/step
>3681, dr[0.448,0.641], df[0.522,0.100], g[1.447,0.177]
1/1 [=====] - 0s 81ms/step
>3682, dr[0.712,0.505], df[0.239,0.106], g[1.136,0.156]
1/1 [=====] - 0s 83ms/step
>3683, dr[0.404,0.803], df[0.821,0.111], g[1.179,0.115]
1/1 [=====] - 0s 85ms/step
```

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>3684, dr[0.341,0.294], df[0.589,0.266], g[1.265,0.121]
1/1 [=====] - 0s 81ms/step
>3685, dr[0.370,0.263], df[0.460,0.206], g[1.539,0.125]
1/1 [=====] - 0s 79ms/step
>3686, dr[0.832,0.332], df[0.544,0.115], g[1.460,0.124]
1/1 [=====] - 0s 79ms/step
>3687, dr[0.533,0.597], df[0.654,0.234], g[1.545,0.142]
1/1 [=====] - 0s 80ms/step
>3688, dr[0.684,0.452], df[0.450,0.055], g[1.515,0.224]
1/1 [=====] - 0s 86ms/step
>3689, dr[0.442,0.230], df[0.387,0.020], g[1.294,0.155]
1/1 [=====] - 0s 82ms/step
>3690, dr[0.378,0.628], df[0.694,0.073], g[1.280,0.223]
1/1 [=====] - 0s 82ms/step
>3691, dr[0.330,0.401], df[0.442,0.155], g[1.617,0.139]
1/1 [=====] - 0s 78ms/step
>3692, dr[0.683,0.397], df[0.469,0.087], g[1.496,0.197]
1/1 [=====] - 0s 86ms/step
>3693, dr[0.665,0.378], df[0.541,0.265], g[1.506,0.098]
1/1 [=====] - 0s 83ms/step
>3694, dr[0.485,0.518], df[0.509,0.116], g[1.532,0.095]
1/1 [=====] - 0s 87ms/step
>3695, dr[0.537,1.310], df[0.504,0.097], g[1.481,0.141]
1/1 [=====] - 0s 81ms/step
>3696, dr[0.496,0.359], df[0.509,0.114], g[1.310,0.129]
1/1 [=====] - 0s 88ms/step
>3697, dr[0.582,0.578], df[0.584,0.080], g[1.284,0.107]
1/1 [=====] - 0s 85ms/step
>3698, dr[0.530,0.211], df[0.556,0.130], g[1.532,0.098]
1/1 [=====] - 0s 88ms/step
>3699, dr[0.414,0.482], df[0.465,0.171], g[1.352,0.151]
1/1 [=====] - 0s 87ms/step
>3700, dr[0.411,0.502], df[0.734,0.077], g[1.642,0.103]
1/1 [=====] - 0s 93ms/step
>3701, dr[0.501,0.245], df[0.480,0.055], g[1.478,0.145]
1/1 [=====] - 0s 103ms/step
>3702, dr[0.562,0.423], df[0.371,0.144], g[1.523,0.109]
1/1 [=====] - 0s 86ms/step
>3703, dr[0.684,0.393], df[0.548,0.147], g[1.202,0.158]
1/1 [=====] - 0s 89ms/step
>3704, dr[0.498,0.895], df[0.484,0.125], g[1.447,0.200]
1/1 [=====] - 0s 85ms/step
>3705, dr[0.546,0.791], df[0.533,0.168], g[1.249,0.135]
1/1 [=====] - 0s 81ms/step
>3706, dr[0.430,0.391], df[0.495,0.087], g[1.556,0.116]
1/1 [=====] - 0s 81ms/step
>3707, dr[0.342,0.649], df[0.339,0.107], g[1.543,0.139]
1/1 [=====] - 0s 89ms/step
>3708, dr[0.545,0.729], df[0.643,0.057], g[1.199,0.136]
1/1 [=====] - 0s 82ms/step
>3709, dr[0.372,0.320], df[0.523,0.209], g[1.553,0.116]
1/1 [=====] - 0s 81ms/step
>3710, dr[0.451,0.323], df[0.347,0.218], g[1.457,0.073]
1/1 [=====] - 0s 86ms/step
>3711, dr[0.659,0.346], df[0.536,0.175], g[1.716,0.086]
1/1 [=====] - 0s 79ms/step
>3712, dr[0.492,0.508], df[0.543,0.135], g[1.431,0.097]
1/1 [=====] - 0s 85ms/step
>3713, dr[0.551,0.461], df[0.579,0.196], g[1.767,0.140]
1/1 [=====] - 0s 81ms/step
```

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>3714, dr[0.423,0.757], df[0.382,0.038], g[1.452,0.108]
1/1 [=====] - 0s 74ms/step
>3715, dr[0.390,0.279], df[0.489,0.214], g[1.398,0.199]
1/1 [=====] - 0s 77ms/step
>3716, dr[0.592,0.480], df[0.412,0.147], g[1.376,0.114]
1/1 [=====] - 0s 87ms/step
>3717, dr[0.297,0.417], df[0.444,0.097], g[1.671,0.058]
1/1 [=====] - 0s 84ms/step
>3718, dr[0.678,0.570], df[0.538,0.085], g[1.161,0.197]
1/1 [=====] - 0s 73ms/step
>3719, dr[0.397,0.578], df[0.643,0.139], g[1.568,0.076]
1/1 [=====] - 0s 75ms/step
>3720, dr[0.514,0.717], df[0.461,0.303], g[1.516,0.192]
1/1 [=====] - 0s 74ms/step
>3721, dr[0.641,0.268], df[0.585,0.067], g[1.475,0.130]
1/1 [=====] - 0s 72ms/step
>3722, dr[0.599,0.409], df[0.396,0.123], g[1.343,0.157]
1/1 [=====] - 0s 79ms/step
>3723, dr[0.492,0.323], df[0.588,0.195], g[1.386,0.095]
1/1 [=====] - 0s 76ms/step
>3724, dr[0.401,0.390], df[0.551,0.271], g[1.572,0.076]
1/1 [=====] - 0s 89ms/step
>3725, dr[0.489,0.622], df[0.469,0.239], g[1.592,0.061]
1/1 [=====] - 0s 73ms/step
>3726, dr[0.473,0.378], df[0.434,0.100], g[1.393,0.174]
1/1 [=====] - 0s 75ms/step
>3727, dr[0.505,0.597], df[0.601,0.281], g[1.397,0.076]
1/1 [=====] - 0s 74ms/step
>3728, dr[0.561,0.308], df[0.331,0.071], g[1.584,0.104]
1/1 [=====] - 0s 75ms/step
>3729, dr[0.384,0.496], df[0.551,0.088], g[1.294,0.159]
1/1 [=====] - 0s 81ms/step
>3730, dr[0.466,0.387], df[0.463,0.038], g[1.386,0.111]
1/1 [=====] - 0s 74ms/step
>3731, dr[0.405,0.637], df[0.417,0.110], g[1.361,0.093]
1/1 [=====] - 0s 80ms/step
>3732, dr[0.551,0.482], df[0.502,0.122], g[1.480,0.193]
1/1 [=====] - 0s 75ms/step
>3733, dr[0.571,0.359], df[0.720,0.215], g[1.155,0.187]
1/1 [=====] - 0s 77ms/step
>3734, dr[0.492,0.899], df[0.456,0.153], g[1.529,0.173]
1/1 [=====] - 0s 76ms/step
>3735, dr[0.475,0.529], df[0.352,0.025], g[1.372,0.070]
1/1 [=====] - 0s 73ms/step
>3736, dr[0.567,0.517], df[0.519,0.122], g[1.373,0.207]
1/1 [=====] - 0s 82ms/step
>3737, dr[0.505,0.695], df[0.567,0.075], g[1.197,0.120]
1/1 [=====] - 0s 74ms/step
>3738, dr[0.475,0.561], df[0.492,0.086], g[1.316,0.085]
1/1 [=====] - 0s 77ms/step
>3739, dr[0.457,0.361], df[0.643,0.167], g[1.687,0.115]
1/1 [=====] - 0s 79ms/step
>3740, dr[0.435,0.311], df[0.685,0.161], g[1.644,0.106]
1/1 [=====] - 0s 74ms/step
>3741, dr[0.741,0.371], df[0.580,0.208], g[1.542,0.073]
1/1 [=====] - 0s 75ms/step
>3742, dr[0.591,0.673], df[0.443,0.074], g[1.316,0.114]
1/1 [=====] - 0s 73ms/step
>3743, dr[0.406,1.043], df[0.673,0.134], g[1.625,0.085]
1/1 [=====] - 0s 81ms/step
```

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>3744, dr[0.860,0.912], df[0.587,0.111], g[1.593,0.074]
1/1 [=====] - 0s 75ms/step
>3745, dr[0.476,0.364], df[0.547,0.177], g[1.339,0.081]
1/1 [=====] - 0s 84ms/step
>3746, dr[0.536,0.532], df[0.355,0.097], g[1.391,0.107]
1/1 [=====] - 0s 75ms/step
>3747, dr[0.494,0.563], df[0.675,0.077], g[1.427,0.106]
1/1 [=====] - 0s 75ms/step
>3748, dr[0.482,0.505], df[0.530,0.088], g[1.375,0.122]
1/1 [=====] - 0s 54ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 79ms/step
>3749, dr[0.443,0.687], df[0.556,0.060], g[1.561,0.113]
1/1 [=====] - 0s 95ms/step
>3750, dr[0.840,0.497], df[0.658,0.054], g[1.484,0.078]
1/1 [=====] - 0s 126ms/step
>3751, dr[0.433,0.409], df[0.450,0.140], g[1.477,0.117]
1/1 [=====] - 0s 111ms/step
>3752, dr[0.649,0.797], df[0.472,0.091], g[1.313,0.199]
1/1 [=====] - 0s 83ms/step
>3753, dr[0.474,0.535], df[0.672,0.055], g[1.290,0.065]
1/1 [=====] - 0s 86ms/step
>3754, dr[0.616,0.573], df[0.542,0.130], g[1.302,0.149]
1/1 [=====] - 0s 79ms/step
>3755, dr[0.381,0.535], df[0.568,0.157], g[1.366,0.138]
1/1 [=====] - 0s 76ms/step
>3756, dr[0.533,0.548], df[0.477,0.049], g[1.205,0.096]
1/1 [=====] - 0s 83ms/step
>3757, dr[0.413,0.360], df[0.600,0.115], g[1.428,0.121]
1/1 [=====] - 0s 76ms/step
>3758, dr[0.363,0.582], df[0.446,0.078], g[1.512,0.139]
1/1 [=====] - 0s 91ms/step
>3759, dr[0.648,0.315], df[0.536,0.141], g[1.752,0.163]
1/1 [=====] - 0s 80ms/step
>3760, dr[0.666,0.763], df[0.585,0.111], g[1.468,0.129]
1/1 [=====] - 0s 78ms/step
>3761, dr[0.409,0.539], df[0.542,0.081], g[1.516,0.151]
1/1 [=====] - 0s 93ms/step
>3762, dr[0.663,0.552], df[0.487,0.042], g[1.334,0.283]
1/1 [=====] - 0s 74ms/step
>3763, dr[0.548,0.591], df[0.484,0.181], g[1.290,0.288]
1/1 [=====] - 0s 79ms/step
>3764, dr[0.404,0.228], df[0.681,0.093], g[1.507,0.100]
1/1 [=====] - 0s 75ms/step
>3765, dr[0.640,0.363], df[0.344,0.063], g[1.523,0.139]
1/1 [=====] - 0s 74ms/step
>3766, dr[0.421,0.296], df[0.569,0.341], g[1.201,0.089]
1/1 [=====] - 0s 81ms/step
>3767, dr[0.432,0.236], df[0.337,0.221], g[1.382,0.126]
1/1 [=====] - 0s 85ms/step
>3768, dr[0.411,0.419], df[0.600,0.079], g[1.227,0.144]
1/1 [=====] - 0s 86ms/step
>3769, dr[0.312,0.660], df[0.484,0.089], g[1.616,0.081]
1/1 [=====] - 0s 77ms/step
>3770, dr[0.538,0.573], df[0.527,0.132], g[1.678,0.074]
1/1 [=====] - 0s 76ms/step
>3771, dr[0.468,0.537], df[0.395,0.046], g[1.245,0.171]
1/1 [=====] - 0s 74ms/step
```

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>3772, dr[0.528,0.558], df[0.586,0.239], g[1.551,0.142]
1/1 [=====] - 0s 75ms/step
>3773, dr[0.505,0.607], df[0.503,0.237], g[1.521,0.172]
1/1 [=====] - 0s 83ms/step
>3774, dr[0.512,0.686], df[0.493,0.280], g[1.493,0.119]
1/1 [=====] - 0s 77ms/step
>3775, dr[0.638,0.371], df[0.665,0.043], g[1.437,0.125]
1/1 [=====] - 0s 80ms/step
>3776, dr[0.500,0.430], df[0.381,0.083], g[1.368,0.167]
1/1 [=====] - 0s 74ms/step
>3777, dr[0.623,0.583], df[0.605,0.082], g[1.309,0.107]
1/1 [=====] - 0s 75ms/step
>3778, dr[0.454,0.488], df[0.518,0.051], g[1.589,0.130]
1/1 [=====] - 0s 76ms/step
>3779, dr[0.361,0.422], df[0.512,0.116], g[1.682,0.084]
1/1 [=====] - 0s 76ms/step
>3780, dr[0.524,0.412], df[0.565,0.037], g[1.398,0.084]
1/1 [=====] - 0s 80ms/step
>3781, dr[0.638,0.704], df[0.503,0.123], g[1.364,0.128]
1/1 [=====] - 0s 77ms/step
>3782, dr[0.691,0.789], df[0.591,0.052], g[1.256,0.151]
1/1 [=====] - 0s 77ms/step
>3783, dr[0.509,0.340], df[0.552,0.072], g[1.387,0.056]
1/1 [=====] - 0s 96ms/step
>3784, dr[0.661,0.500], df[0.462,0.083], g[1.104,0.154]
1/1 [=====] - 0s 85ms/step
>3785, dr[0.436,0.394], df[0.684,0.332], g[1.347,0.199]
1/1 [=====] - 0s 97ms/step
>3786, dr[0.455,0.333], df[0.359,0.077], g[1.533,0.150]
1/1 [=====] - 0s 79ms/step
>3787, dr[0.479,0.432], df[0.527,0.058], g[1.379,0.131]
1/1 [=====] - 0s 78ms/step
>3788, dr[0.491,0.244], df[0.615,0.192], g[1.729,0.138]
1/1 [=====] - 0s 77ms/step
>3789, dr[0.610,0.636], df[0.570,0.133], g[1.546,0.170]
1/1 [=====] - 0s 77ms/step
>3790, dr[0.590,1.026], df[0.400,0.078], g[1.396,0.206]
1/1 [=====] - 0s 81ms/step
>3791, dr[0.390,0.481], df[0.516,0.167], g[1.352,0.119]
1/1 [=====] - 0s 79ms/step
>3792, dr[0.533,0.548], df[0.520,0.044], g[0.997,0.196]
1/1 [=====] - 0s 78ms/step
>3793, dr[0.491,0.284], df[0.389,0.063], g[1.198,0.113]
1/1 [=====] - 0s 78ms/step
>3794, dr[0.416,0.590], df[0.660,0.145], g[1.392,0.207]
1/1 [=====] - 0s 81ms/step
>3795, dr[0.453,0.511], df[0.448,0.073], g[1.520,0.082]
1/1 [=====] - 0s 76ms/step
>3796, dr[0.624,0.665], df[0.665,0.170], g[1.591,0.088]
1/1 [=====] - 0s 80ms/step
>3797, dr[0.558,0.201], df[0.589,0.149], g[1.360,0.071]
1/1 [=====] - 0s 85ms/step
>3798, dr[0.339,0.596], df[0.378,0.175], g[1.419,0.148]
1/1 [=====] - 0s 76ms/step
>3799, dr[0.625,0.434], df[0.478,0.086], g[1.235,0.153]
1/1 [=====] - 0s 81ms/step
>3800, dr[0.648,0.669], df[0.645,0.172], g[1.389,0.094]
1/1 [=====] - 0s 82ms/step
>3801, dr[0.562,0.495], df[0.691,0.063], g[1.247,0.141]
1/1 [=====] - 0s 77ms/step
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>3802, dr[0.474,0.394], df[0.568,0.096], g[1.556,0.089]
1/1 [=====] - 0s 84ms/step
>3803, dr[0.445,0.497], df[0.432,0.104], g[1.376,0.109]
1/1 [=====] - 0s 80ms/step
>3804, dr[0.655,0.359], df[0.597,0.112], g[1.458,0.158]
1/1 [=====] - 0s 88ms/step
>3805, dr[0.617,0.313], df[0.565,0.225], g[1.285,0.146]
1/1 [=====] - 0s 84ms/step
>3806, dr[0.357,0.461], df[0.541,0.107], g[1.367,0.113]
1/1 [=====] - 0s 79ms/step
>3807, dr[0.447,0.374], df[0.605,0.069], g[1.484,0.101]
1/1 [=====] - 0s 81ms/step
>3808, dr[0.471,0.639], df[0.467,0.131], g[1.489,0.138]
1/1 [=====] - 0s 76ms/step
>3809, dr[0.625,0.441], df[0.511,0.212], g[1.712,0.142]
1/1 [=====] - 0s 76ms/step
>3810, dr[0.465,0.202], df[0.584,0.201], g[1.440,0.081]
1/1 [=====] - 0s 82ms/step
>3811, dr[0.462,0.661], df[0.322,0.065], g[1.512,0.106]
1/1 [=====] - 0s 78ms/step
>3812, dr[0.609,0.505], df[0.399,0.082], g[1.305,0.241]
1/1 [=====] - 0s 83ms/step
>3813, dr[0.397,0.576], df[0.710,0.058], g[1.268,0.208]
1/1 [=====] - 0s 77ms/step
>3814, dr[0.391,0.584], df[0.414,0.071], g[1.599,0.122]
1/1 [=====] - 0s 75ms/step
>3815, dr[0.603,0.612], df[0.481,0.072], g[1.447,0.145]
1/1 [=====] - 0s 76ms/step
>3816, dr[0.487,0.397], df[0.496,0.038], g[1.375,0.100]
1/1 [=====] - 0s 75ms/step
>3817, dr[0.435,0.478], df[0.486,0.055], g[1.634,0.084]
1/1 [=====] - 0s 86ms/step
>3818, dr[0.487,0.501], df[0.454,0.077], g[1.355,0.067]
1/1 [=====] - 0s 76ms/step
>3819, dr[0.438,0.663], df[0.587,0.119], g[1.513,0.203]
1/1 [=====] - 0s 82ms/step
>3820, dr[0.443,0.483], df[0.341,0.173], g[1.362,0.112]
1/1 [=====] - 0s 75ms/step
>3821, dr[0.614,0.746], df[0.633,0.292], g[1.409,0.191]
1/1 [=====] - 0s 75ms/step
>3822, dr[0.436,0.563], df[0.593,0.134], g[1.543,0.150]
1/1 [=====] - 0s 80ms/step
>3823, dr[0.556,0.743], df[0.526,0.074], g[1.516,0.154]
1/1 [=====] - 0s 81ms/step
>3824, dr[0.637,0.530], df[0.346,0.115], g[1.453,0.115]
1/1 [=====] - 0s 84ms/step
>3825, dr[0.470,0.508], df[0.693,0.067], g[1.346,0.157]
1/1 [=====] - 0s 76ms/step
>3826, dr[0.465,0.531], df[0.473,0.133], g[1.379,0.272]
1/1 [=====] - 0s 76ms/step
>3827, dr[0.642,0.347], df[0.504,0.046], g[1.295,0.145]
1/1 [=====] - 0s 75ms/step
>3828, dr[0.446,0.189], df[0.498,0.101], g[1.280,0.137]
1/1 [=====] - 0s 74ms/step
>3829, dr[0.541,0.230], df[0.643,0.089], g[1.421,0.128]
1/1 [=====] - 0s 87ms/step
>3830, dr[0.568,0.566], df[0.390,0.027], g[1.156,0.114]
1/1 [=====] - 0s 77ms/step
>3831, dr[0.348,0.477], df[0.551,0.079], g[1.535,0.093]
1/1 [=====] - 0s 84ms/step
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>3832, dr[0.465,0.614], df[0.523,0.080], g[1.493,0.161]
1/1 [=====] - 0s 75ms/step
>3833, dr[0.467,0.472], df[0.498,0.149], g[1.351,0.149]
1/1 [=====] - 0s 75ms/step
>3834, dr[0.525,0.429], df[0.528,0.099], g[1.459,0.132]
1/1 [=====] - 0s 82ms/step
>3835, dr[0.543,0.521], df[0.634,0.104], g[1.515,0.227]
1/1 [=====] - 0s 76ms/step
>3836, dr[0.543,0.332], df[0.549,0.066], g[1.631,0.115]
1/1 [=====] - 0s 88ms/step
>3837, dr[0.494,0.306], df[0.541,0.143], g[1.529,0.158]
1/1 [=====] - 0s 74ms/step
>3838, dr[0.650,0.737], df[0.457,0.131], g[1.286,0.207]
1/1 [=====] - 0s 75ms/step
>3839, dr[0.379,0.353], df[0.389,0.034], g[1.322,0.125]
1/1 [=====] - 0s 76ms/step
>3840, dr[0.440,0.578], df[0.489,0.067], g[1.446,0.105]
1/1 [=====] - 0s 79ms/step
>3841, dr[0.369,0.466], df[0.611,0.068], g[1.342,0.180]
1/1 [=====] - 0s 81ms/step
>3842, dr[0.413,1.105], df[0.458,0.032], g[1.554,0.181]
1/1 [=====] - 0s 74ms/step
>3843, dr[0.569,0.437], df[0.456,0.088], g[1.539,0.161]
1/1 [=====] - 0s 76ms/step
>3844, dr[0.568,0.240], df[0.522,0.159], g[1.282,0.097]
1/1 [=====] - 0s 76ms/step
>3845, dr[0.617,0.585], df[0.484,0.115], g[1.427,0.077]
1/1 [=====] - 0s 78ms/step
>3846, dr[0.331,0.566], df[0.446,0.072], g[1.283,0.260]
1/1 [=====] - 0s 94ms/step
>3847, dr[0.482,0.889], df[0.546,0.132], g[1.348,0.194]
1/1 [=====] - 0s 84ms/step
>3848, dr[0.416,0.354], df[0.393,0.118], g[1.337,0.073]
1/1 [=====] - 0s 84ms/step
>3849, dr[0.499,0.378], df[0.658,0.128], g[1.444,0.076]
1/1 [=====] - 0s 76ms/step
>3850, dr[0.483,0.507], df[0.623,0.126], g[1.587,0.250]
1/1 [=====] - 0s 76ms/step
>3851, dr[0.673,0.628], df[0.536,0.116], g[1.438,0.137]
1/1 [=====] - 0s 82ms/step
>3852, dr[0.726,0.465], df[0.498,0.093], g[1.376,0.124]
1/1 [=====] - 0s 74ms/step
>3853, dr[0.434,0.211], df[0.473,0.216], g[1.147,0.144]
1/1 [=====] - 0s 80ms/step
>3854, dr[0.484,0.510], df[0.646,0.066], g[1.288,0.141]
1/1 [=====] - 0s 77ms/step
>3855, dr[0.459,0.468], df[0.591,0.141], g[1.400,0.149]
1/1 [=====] - 0s 74ms/step
>3856, dr[0.473,0.663], df[0.564,0.141], g[1.812,0.143]
1/1 [=====] - 0s 80ms/step
>3857, dr[0.494,0.714], df[0.533,0.228], g[1.747,0.229]
1/1 [=====] - 0s 80ms/step
>3858, dr[0.710,0.687], df[0.530,0.031], g[1.551,0.116]
1/1 [=====] - 0s 86ms/step
>3859, dr[0.570,0.618], df[0.443,0.047], g[1.501,0.075]
1/1 [=====] - 0s 76ms/step
>3860, dr[0.521,0.507], df[0.396,0.052], g[1.135,0.141]
1/1 [=====] - 0s 94ms/step
>3861, dr[0.455,0.597], df[0.633,0.155], g[1.276,0.118]
1/1 [=====] - 0s 86ms/step
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>3862, dr[0.519,0.413], df[0.517,0.043], g[1.284,0.128]
1/1 [=====] - 0s 79ms/step
>3863, dr[0.506,0.248], df[0.613,0.110], g[1.371,0.178]
1/1 [=====] - 0s 85ms/step
>3864, dr[0.412,0.597], df[0.462,0.129], g[1.509,0.099]
1/1 [=====] - 0s 84ms/step
>3865, dr[0.414,0.225], df[0.551,0.037], g[1.467,0.083]
1/1 [=====] - 0s 77ms/step
>3866, dr[0.608,0.372], df[0.456,0.051], g[1.467,0.075]
1/1 [=====] - 0s 85ms/step
>3867, dr[0.760,0.423], df[0.559,0.063], g[1.315,0.080]
1/1 [=====] - 0s 82ms/step
>3868, dr[0.285,0.160], df[0.489,0.107], g[1.436,0.079]
1/1 [=====] - 0s 80ms/step
>3869, dr[0.483,0.470], df[0.390,0.038], g[1.156,0.137]
1/1 [=====] - 0s 88ms/step
>3870, dr[0.422,0.611], df[0.390,0.050], g[1.316,0.134]
1/1 [=====] - 0s 80ms/step
>3871, dr[0.419,0.291], df[0.500,0.033], g[1.324,0.152]
1/1 [=====] - 0s 94ms/step
>3872, dr[0.439,0.307], df[0.691,0.078], g[1.542,0.120]
1/1 [=====] - 0s 82ms/step
>3873, dr[0.581,0.429], df[0.499,0.086], g[1.543,0.151]
1/1 [=====] - 0s 80ms/step
>3874, dr[0.704,0.883], df[0.448,0.082], g[1.359,0.072]
1/1 [=====] - 0s 84ms/step
>3875, dr[0.576,0.723], df[0.665,0.124], g[1.418,0.236]
1/1 [=====] - 0s 80ms/step
>3876, dr[0.516,0.911], df[0.533,0.121], g[1.470,0.118]
1/1 [=====] - 0s 93ms/step
>3877, dr[0.575,0.414], df[0.497,0.070], g[1.205,0.124]
1/1 [=====] - 0s 82ms/step
>3878, dr[0.499,0.498], df[0.436,0.058], g[1.424,0.174]
1/1 [=====] - 0s 85ms/step
>3879, dr[0.308,0.381], df[0.504,0.207], g[1.391,0.108]
1/1 [=====] - 0s 88ms/step
>3880, dr[0.498,0.254], df[0.472,0.137], g[1.511,0.105]
1/1 [=====] - 0s 83ms/step
>3881, dr[0.610,0.495], df[0.433,0.091], g[1.267,0.102]
1/1 [=====] - 0s 90ms/step
>3882, dr[0.426,0.370], df[0.642,0.153], g[1.256,0.146]
1/1 [=====] - 0s 85ms/step
>3883, dr[0.489,0.252], df[0.627,0.099], g[1.320,0.101]
1/1 [=====] - 0s 86ms/step
>3884, dr[0.408,0.651], df[0.552,0.039], g[1.521,0.134]
1/1 [=====] - 0s 98ms/step
>3885, dr[0.619,0.144], df[0.523,0.070], g[1.382,0.114]
1/1 [=====] - 0s 85ms/step
>3886, dr[0.477,0.305], df[0.477,0.158], g[1.101,0.174]
1/1 [=====] - 0s 85ms/step
>3887, dr[0.577,0.466], df[0.506,0.062], g[1.692,0.078]
1/1 [=====] - 0s 92ms/step
>3888, dr[0.527,0.493], df[0.552,0.073], g[1.452,0.083]
1/1 [=====] - 0s 79ms/step
>3889, dr[0.464,0.476], df[0.523,0.111], g[1.568,0.089]
1/1 [=====] - 0s 86ms/step
>3890, dr[0.670,0.679], df[0.474,0.103], g[1.373,0.100]
1/1 [=====] - 0s 78ms/step
>3891, dr[0.429,0.469], df[0.555,0.175], g[1.581,0.139]
1/1 [=====] - 0s 82ms/step
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>3892, dr[0.443,0.409], df[0.659,0.129], g[1.491,0.159]
1/1 [=====] - 0s 88ms/step
>3893, dr[0.491,0.860], df[0.501,0.046], g[1.715,0.078]
1/1 [=====] - 0s 79ms/step
>3894, dr[0.423,0.406], df[0.490,0.104], g[1.595,0.106]
1/1 [=====] - 0s 81ms/step
>3895, dr[0.795,0.747], df[0.580,0.100], g[1.496,0.168]
1/1 [=====] - 0s 81ms/step
>3896, dr[0.493,0.330], df[0.537,0.064], g[1.541,0.105]
1/1 [=====] - 0s 83ms/step
>3897, dr[0.508,1.152], df[0.481,0.154], g[1.421,0.119]
1/1 [=====] - 0s 87ms/step
>3898, dr[0.533,0.457], df[0.537,0.134], g[1.537,0.064]
1/1 [=====] - 0s 79ms/step
>3899, dr[0.464,0.604], df[0.592,0.080], g[1.584,0.148]
1/1 [=====] - 0s 97ms/step
>3900, dr[0.542,0.215], df[0.512,0.153], g[1.621,0.166]
1/1 [=====] - 0s 97ms/step
>3901, dr[0.649,0.519], df[0.493,0.056], g[1.448,0.145]
1/1 [=====] - 0s 88ms/step
>3902, dr[0.538,0.415], df[0.532,0.073], g[1.485,0.129]
1/1 [=====] - 0s 91ms/step
>3903, dr[0.468,0.403], df[0.573,0.182], g[1.604,0.045]
1/1 [=====] - 0s 112ms/step
>3904, dr[0.467,0.570], df[0.386,0.127], g[1.358,0.106]
1/1 [=====] - 0s 93ms/step
>3905, dr[0.590,0.383], df[0.551,0.085], g[1.195,0.133]
1/1 [=====] - 0s 82ms/step
>3906, dr[0.440,0.521], df[0.467,0.071], g[1.267,0.147]
1/1 [=====] - 0s 97ms/step
>3907, dr[0.418,0.225], df[0.511,0.166], g[1.462,0.098]
1/1 [=====] - 0s 81ms/step
>3908, dr[0.561,0.778], df[0.477,0.062], g[1.235,0.152]
1/1 [=====] - 0s 77ms/step
>3909, dr[0.418,0.315], df[0.566,0.119], g[1.452,0.145]
1/1 [=====] - 0s 76ms/step
>3910, dr[0.591,0.299], df[0.479,0.140], g[1.260,0.130]
1/1 [=====] - 0s 74ms/step
>3911, dr[0.505,0.373], df[0.561,0.126], g[1.557,0.178]
1/1 [=====] - 0s 78ms/step
>3912, dr[0.521,0.548], df[0.528,0.176], g[1.324,0.115]
1/1 [=====] - 0s 79ms/step
>3913, dr[0.515,0.820], df[0.502,0.134], g[1.484,0.227]
1/1 [=====] - 0s 84ms/step
>3914, dr[0.419,0.212], df[0.521,0.237], g[1.680,0.132]
1/1 [=====] - 0s 80ms/step
>3915, dr[0.614,0.387], df[0.368,0.080], g[1.226,0.103]
1/1 [=====] - 0s 76ms/step
>3916, dr[0.417,0.258], df[0.572,0.232], g[1.332,0.114]
1/1 [=====] - 0s 75ms/step
>3917, dr[0.518,0.392], df[0.511,0.086], g[1.304,0.073]
1/1 [=====] - 0s 75ms/step
>3918, dr[0.415,0.247], df[0.674,0.073], g[1.494,0.177]
1/1 [=====] - 0s 77ms/step
>3919, dr[0.609,0.353], df[0.586,0.110], g[1.639,0.182]
1/1 [=====] - 0s 74ms/step
>3920, dr[0.591,0.228], df[0.434,0.067], g[1.538,0.077]
1/1 [=====] - 0s 86ms/step
>3921, dr[0.546,0.416], df[0.673,0.078], g[1.583,0.104]
1/1 [=====] - 0s 74ms/step
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>3922, dr[0.394,0.230], df[0.471,0.129], g[1.443,0.132]
1/1 [=====] - 0s 77ms/step
>3923, dr[0.668,0.677], df[0.646,0.191], g[1.414,0.158]
1/1 [=====] - 0s 76ms/step
>3924, dr[0.437,0.945], df[0.678,0.245], g[1.656,0.175]
1/1 [=====] - 0s 76ms/step
>3925, dr[0.568,0.476], df[0.400,0.127], g[1.616,0.136]
1/1 [=====] - 0s 83ms/step
>3926, dr[0.457,0.380], df[0.395,0.072], g[1.614,0.073]
1/1 [=====] - 0s 75ms/step
>3927, dr[0.508,0.514], df[0.725,0.178], g[1.543,0.114]
1/1 [=====] - 0s 90ms/step
>3928, dr[0.426,0.701], df[0.411,0.290], g[1.234,0.150]
1/1 [=====] - 0s 89ms/step
>3929, dr[0.531,0.626], df[0.343,0.075], g[1.312,0.092]
1/1 [=====] - 0s 80ms/step
>3930, dr[0.469,0.324], df[0.638,0.153], g[1.435,0.141]
1/1 [=====] - 0s 88ms/step
>3931, dr[0.449,0.621], df[0.548,0.124], g[1.244,0.157]
1/1 [=====] - 0s 76ms/step
>3932, dr[0.445,0.274], df[0.374,0.079], g[1.144,0.141]
1/1 [=====] - 0s 77ms/step
>3933, dr[0.465,0.826], df[0.536,0.113], g[1.327,0.218]
1/1 [=====] - 0s 81ms/step
>3934, dr[0.495,0.495], df[0.521,0.063], g[1.489,0.130]
1/1 [=====] - 0s 94ms/step
>3935, dr[0.538,0.899], df[0.412,0.039], g[1.276,0.132]
1/1 [=====] - 0s 85ms/step
>3936, dr[0.469,0.435], df[0.474,0.192], g[1.207,0.132]
1/1 [=====] - 0s 104ms/step
>3937, dr[0.283,0.433], df[0.628,0.131], g[1.494,0.097]
1/1 [=====] - 0s 92ms/step
>3938, dr[0.469,0.413], df[0.470,0.294], g[1.714,0.121]
1/1 [=====] - 0s 81ms/step
>3939, dr[0.790,1.230], df[0.366,0.044], g[1.376,0.142]
1/1 [=====] - 0s 82ms/step
>3940, dr[0.434,0.514], df[0.519,0.108], g[1.469,0.095]
1/1 [=====] - 0s 80ms/step
>3941, dr[0.510,0.663], df[0.578,0.147], g[1.179,0.110]
1/1 [=====] - 0s 91ms/step
>3942, dr[0.305,0.468], df[0.478,0.103], g[1.398,0.079]
1/1 [=====] - 0s 84ms/step
>3943, dr[0.540,0.381], df[0.615,0.162], g[1.504,0.149]
1/1 [=====] - 0s 75ms/step
>3944, dr[0.471,0.270], df[0.429,0.206], g[1.703,0.122]
1/1 [=====] - 0s 81ms/step
>3945, dr[0.547,0.299], df[0.345,0.171], g[1.198,0.102]
1/1 [=====] - 0s 78ms/step
>3946, dr[0.508,0.306], df[0.566,0.093], g[1.363,0.179]
1/1 [=====] - 0s 98ms/step
>3947, dr[0.479,0.213], df[0.509,0.121], g[1.422,0.078]
1/1 [=====] - 0s 86ms/step
>3948, dr[0.347,0.416], df[0.571,0.162], g[1.455,0.124]
1/1 [=====] - 0s 77ms/step
>3949, dr[0.678,0.559], df[0.575,0.072], g[1.533,0.114]
1/1 [=====] - 0s 88ms/step
>3950, dr[0.450,0.409], df[0.509,0.139], g[1.451,0.130]
1/1 [=====] - 0s 75ms/step
>3951, dr[0.521,0.401], df[0.574,0.136], g[1.586,0.078]
1/1 [=====] - 0s 83ms/step
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>3952, dr[0.458,0.728], df[0.539,0.198], g[1.591,0.179]
1/1 [=====] - 0s 79ms/step
>3953, dr[0.532,0.416], df[0.391,0.106], g[1.656,0.114]
1/1 [=====] - 0s 74ms/step
>3954, dr[0.692,0.841], df[0.542,0.137], g[1.669,0.067]
1/1 [=====] - 0s 79ms/step
>3955, dr[0.530,0.315], df[0.621,0.263], g[1.486,0.132]
1/1 [=====] - 0s 76ms/step
>3956, dr[0.438,0.457], df[0.369,0.145], g[1.365,0.175]
1/1 [=====] - 0s 85ms/step
>3957, dr[0.692,0.357], df[0.396,0.051], g[1.108,0.212]
1/1 [=====] - 0s 87ms/step
>3958, dr[0.325,0.478], df[0.552,0.199], g[1.199,0.102]
1/1 [=====] - 0s 83ms/step
>3959, dr[0.416,0.387], df[0.838,0.150], g[1.428,0.190]
1/1 [=====] - 0s 76ms/step
>3960, dr[0.411,0.622], df[0.510,0.132], g[1.795,0.124]
1/1 [=====] - 0s 75ms/step
>3961, dr[0.490,0.434], df[0.307,0.066], g[1.606,0.160]
1/1 [=====] - 0s 84ms/step
>3962, dr[0.391,0.633], df[0.422,0.081], g[1.448,0.076]
1/1 [=====] - 0s 77ms/step
>3963, dr[0.483,0.542], df[0.481,0.062], g[1.302,0.090]
1/1 [=====] - 0s 87ms/step
>3964, dr[0.434,0.519], df[0.505,0.128], g[1.440,0.179]
1/1 [=====] - 0s 75ms/step
>3965, dr[0.563,0.928], df[0.447,0.062], g[1.267,0.132]
1/1 [=====] - 0s 76ms/step
>3966, dr[0.409,0.319], df[0.591,0.169], g[1.464,0.063]
1/1 [=====] - 0s 76ms/step
>3967, dr[0.508,0.613], df[0.526,0.179], g[1.317,0.173]
1/1 [=====] - 0s 76ms/step
>3968, dr[0.543,0.609], df[0.655,0.218], g[1.596,0.087]
1/1 [=====] - 0s 105ms/step
>3969, dr[0.546,0.873], df[0.285,0.042], g[1.494,0.151]
1/1 [=====] - 0s 79ms/step
>3970, dr[0.375,0.466], df[0.611,0.124], g[1.268,0.136]
1/1 [=====] - 0s 78ms/step
>3971, dr[0.464,0.371], df[0.464,0.079], g[1.495,0.095]
1/1 [=====] - 0s 77ms/step
>3972, dr[0.412,0.951], df[0.438,0.061], g[1.532,0.096]
1/1 [=====] - 0s 79ms/step
>3973, dr[0.568,0.452], df[0.347,0.061], g[1.423,0.106]
1/1 [=====] - 0s 85ms/step
>3974, dr[0.439,0.466], df[0.609,0.105], g[1.227,0.081]
1/1 [=====] - 0s 80ms/step
>3975, dr[0.462,0.819], df[0.408,0.086], g[1.403,0.141]
1/1 [=====] - 0s 82ms/step
>3976, dr[0.486,0.334], df[0.540,0.135], g[1.463,0.072]
1/1 [=====] - 0s 78ms/step
>3977, dr[0.427,0.522], df[0.587,0.099], g[1.464,0.145]
1/1 [=====] - 0s 76ms/step
>3978, dr[0.670,0.270], df[0.428,0.061], g[1.315,0.146]
1/1 [=====] - 0s 78ms/step
>3979, dr[0.455,0.231], df[0.445,0.085], g[1.353,0.051]
1/1 [=====] - 0s 94ms/step
>3980, dr[0.499,0.392], df[0.555,0.067], g[1.062,0.126]
1/1 [=====] - 0s 88ms/step
>3981, dr[0.344,1.023], df[0.447,0.232], g[1.482,0.085]
1/1 [=====] - 0s 75ms/step
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>3982, dr[0.369,0.444], df[0.384,0.064], g[1.372,0.114]
1/1 [=====] - 0s 76ms/step
>3983, dr[0.496,0.678], df[0.455,0.097], g[1.326,0.115]
1/1 [=====] - 0s 82ms/step
>3984, dr[0.506,0.415], df[0.676,0.227], g[1.569,0.104]
1/1 [=====] - 0s 100ms/step
>3985, dr[0.881,0.428], df[0.544,0.148], g[1.283,0.106]
1/1 [=====] - 0s 84ms/step
>3986, dr[0.435,0.539], df[0.542,0.117], g[1.537,0.061]
1/1 [=====] - 0s 79ms/step
>3987, dr[0.433,0.447], df[0.493,0.194], g[1.379,0.095]
1/1 [=====] - 0s 76ms/step
>3988, dr[0.426,0.246], df[0.504,0.240], g[1.449,0.151]
1/1 [=====] - 0s 88ms/step
>3989, dr[0.556,0.561], df[0.414,0.079], g[1.325,0.143]
1/1 [=====] - 0s 77ms/step
>3990, dr[0.507,0.277], df[0.406,0.103], g[1.074,0.142]
1/1 [=====] - 0s 81ms/step
>3991, dr[0.438,0.333], df[0.625,0.163], g[1.429,0.147]
1/1 [=====] - 0s 77ms/step
>3992, dr[0.320,0.619], df[0.432,0.097], g[1.492,0.184]
1/1 [=====] - 0s 76ms/step
>3993, dr[0.545,0.816], df[0.504,0.093], g[1.463,0.160]
1/1 [=====] - 0s 83ms/step
>3994, dr[0.713,0.457], df[0.437,0.136], g[1.235,0.067]
1/1 [=====] - 0s 78ms/step
>3995, dr[0.457,0.293], df[0.547,0.108], g[1.417,0.078]
1/1 [=====] - 0s 84ms/step
>3996, dr[0.485,0.566], df[0.452,0.028], g[1.332,0.088]
1/1 [=====] - 0s 75ms/step
>3997, dr[0.384,0.168], df[0.489,0.051], g[1.437,0.119]
1/1 [=====] - 0s 84ms/step
>3998, dr[0.583,0.987], df[0.587,0.101], g[1.467,0.084]
1/1 [=====] - 0s 77ms/step
>3999, dr[0.552,0.552], df[0.485,0.177], g[1.118,0.117]
1/1 [=====] - 0s 84ms/step
>4000, dr[0.367,0.423], df[0.532,0.114], g[1.332,0.229]
1/1 [=====] - 0s 78ms/step
>4001, dr[0.469,0.611], df[0.452,0.050], g[1.517,0.088]
1/1 [=====] - 0s 79ms/step
>4002, dr[0.574,0.257], df[0.440,0.064], g[1.546,0.068]
1/1 [=====] - 0s 80ms/step
>4003, dr[0.446,0.277], df[0.521,0.251], g[1.124,0.130]
1/1 [=====] - 0s 76ms/step
>4004, dr[0.436,0.322], df[0.545,0.146], g[1.334,0.062]
1/1 [=====] - 0s 79ms/step
>4005, dr[0.397,0.365], df[0.527,0.102], g[1.575,0.121]
1/1 [=====] - 0s 76ms/step
>4006, dr[0.564,0.533], df[0.469,0.106], g[1.422,0.094]
1/1 [=====] - 0s 75ms/step
>4007, dr[0.722,0.404], df[0.534,0.122], g[1.228,0.053]
1/1 [=====] - 0s 81ms/step
>4008, dr[0.399,0.521], df[0.622,0.145], g[1.289,0.224]
1/1 [=====] - 0s 77ms/step
>4009, dr[0.559,0.179], df[0.662,0.093], g[1.447,0.109]
1/1 [=====] - 0s 84ms/step
>4010, dr[0.527,0.261], df[0.428,0.081], g[1.574,0.073]
1/1 [=====] - 0s 77ms/step
>4011, dr[0.553,0.398], df[0.377,0.241], g[1.394,0.136]
1/1 [=====] - 0s 76ms/step
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>4012, dr[0.494,0.250], df[0.699,0.221], g[1.376,0.152]
1/1 [=====] - 0s 80ms/step
>4013, dr[0.399,0.313], df[0.409,0.114], g[1.496,0.138]
1/1 [=====] - 0s 75ms/step
>4014, dr[0.550,0.205], df[0.510,0.216], g[1.472,0.135]
1/1 [=====] - 0s 82ms/step
>4015, dr[0.422,0.271], df[0.422,0.165], g[1.515,0.078]
1/1 [=====] - 0s 78ms/step
>4016, dr[0.451,0.363], df[0.521,0.115], g[1.344,0.145]
1/1 [=====] - 0s 87ms/step
>4017, dr[0.427,0.569], df[0.530,0.118], g[1.542,0.078]
1/1 [=====] - 0s 76ms/step
>4018, dr[0.628,0.700], df[0.640,0.160], g[1.555,0.183]
1/1 [=====] - 0s 76ms/step
>4019, dr[0.518,0.781], df[0.426,0.139], g[1.448,0.104]
1/1 [=====] - 0s 79ms/step
>4020, dr[0.544,0.575], df[0.438,0.082], g[1.321,0.188]
1/1 [=====] - 0s 80ms/step
>4021, dr[0.661,0.367], df[0.669,0.199], g[1.209,0.056]
1/1 [=====] - 0s 83ms/step
>4022, dr[0.391,0.729], df[0.716,0.173], g[1.592,0.090]
1/1 [=====] - 0s 80ms/step
>4023, dr[0.651,0.251], df[0.468,0.084], g[1.397,0.105]
1/1 [=====] - 0s 85ms/step
>4024, dr[0.595,0.667], df[0.444,0.041], g[1.482,0.053]
1/1 [=====] - 0s 75ms/step
>4025, dr[0.512,0.547], df[0.519,0.022], g[1.270,0.113]
1/1 [=====] - 0s 77ms/step
>4026, dr[0.444,0.632], df[0.550,0.289], g[1.129,0.120]
1/1 [=====] - 0s 84ms/step
>4027, dr[0.590,0.686], df[0.686,0.340], g[1.376,0.141]
1/1 [=====] - 0s 76ms/step
>4028, dr[0.546,0.391], df[0.345,0.065], g[1.244,0.206]
1/1 [=====] - 0s 83ms/step
>4029, dr[0.508,0.452], df[0.549,0.068], g[1.236,0.131]
1/1 [=====] - 0s 76ms/step
>4030, dr[0.421,0.324], df[0.699,0.096], g[1.410,0.118]
1/1 [=====] - 0s 75ms/step
>4031, dr[0.463,0.453], df[0.336,0.062], g[1.453,0.117]
1/1 [=====] - 0s 77ms/step
>4032, dr[0.508,0.727], df[0.364,0.056], g[1.326,0.178]
1/1 [=====] - 0s 81ms/step
>4033, dr[0.372,1.049], df[0.663,0.123], g[1.249,0.113]
1/1 [=====] - 0s 83ms/step
>4034, dr[0.559,0.435], df[0.489,0.042], g[1.387,0.119]
1/1 [=====] - 0s 79ms/step
>4035, dr[0.395,0.406], df[0.561,0.248], g[1.608,0.124]
1/1 [=====] - 0s 82ms/step
>4036, dr[0.598,0.619], df[0.414,0.124], g[1.369,0.234]
1/1 [=====] - 0s 81ms/step
>4037, dr[0.583,0.786], df[0.410,0.095], g[1.256,0.118]
1/1 [=====] - 0s 81ms/step
>4038, dr[0.453,0.649], df[0.488,0.039], g[1.295,0.086]
1/1 [=====] - 0s 102ms/step
>4039, dr[0.445,0.431], df[0.599,0.100], g[1.340,0.146]
1/1 [=====] - 0s 80ms/step
>4040, dr[0.519,0.357], df[0.493,0.091], g[1.179,0.138]
1/1 [=====] - 0s 95ms/step
>4041, dr[0.471,0.906], df[0.532,0.061], g[1.400,0.135]
1/1 [=====] - 0s 93ms/step
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>4042, dr[0.636,0.425], df[0.482,0.087], g[1.248,0.109]
1/1 [=====] - 0s 84ms/step
>4043, dr[0.616,0.404], df[0.531,0.080], g[1.080,0.064]
1/1 [=====] - 0s 94ms/step
>4044, dr[0.392,0.327], df[0.651,0.049], g[1.176,0.084]
1/1 [=====] - 0s 85ms/step
>4045, dr[0.564,0.439], df[0.454,0.165], g[1.146,0.196]
1/1 [=====] - 0s 82ms/step
>4046, dr[0.439,0.703], df[0.700,0.133], g[1.391,0.146]
1/1 [=====] - 0s 89ms/step
>4047, dr[0.485,0.174], df[0.494,0.084], g[1.397,0.085]
1/1 [=====] - 0s 82ms/step
>4048, dr[0.667,0.943], df[0.549,0.133], g[1.406,0.136]
1/1 [=====] - 0s 83ms/step
>4049, dr[0.430,0.783], df[0.469,0.154], g[1.359,0.126]
1/1 [=====] - 0s 93ms/step
>4050, dr[0.416,0.292], df[0.639,0.131], g[1.550,0.176]
1/1 [=====] - 0s 80ms/step
>4051, dr[0.598,0.363], df[0.491,0.267], g[1.379,0.090]
1/1 [=====] - 0s 80ms/step
>4052, dr[0.537,0.735], df[0.561,0.056], g[1.654,0.085]
1/1 [=====] - 0s 75ms/step
>4053, dr[0.613,0.621], df[0.478,0.039], g[1.281,0.175]
1/1 [=====] - 0s 81ms/step
>4054, dr[0.665,0.666], df[0.542,0.103], g[1.321,0.113]
1/1 [=====] - 0s 82ms/step
>4055, dr[0.482,0.285], df[0.515,0.047], g[1.248,0.074]
1/1 [=====] - 0s 78ms/step
>4056, dr[0.416,0.446], df[0.544,0.042], g[1.451,0.063]
1/1 [=====] - 0s 84ms/step
>4057, dr[0.402,0.245], df[0.335,0.071], g[1.365,0.088]
1/1 [=====] - 0s 84ms/step
>4058, dr[0.475,0.230], df[0.711,0.268], g[1.509,0.193]
1/1 [=====] - 0s 84ms/step
>4059, dr[0.501,0.241], df[0.331,0.070], g[1.557,0.105]
1/1 [=====] - 0s 77ms/step
>4060, dr[0.451,0.703], df[0.493,0.079], g[1.635,0.110]
1/1 [=====] - 0s 77ms/step
>4061, dr[0.586,0.579], df[0.581,0.280], g[1.516,0.137]
1/1 [=====] - 0s 83ms/step
>4062, dr[0.560,0.305], df[0.563,0.127], g[1.282,0.050]
1/1 [=====] - 0s 79ms/step
>4063, dr[0.579,0.966], df[0.553,0.111], g[1.323,0.117]
1/1 [=====] - 0s 88ms/step
>4064, dr[0.426,0.477], df[0.481,0.133], g[1.567,0.050]
1/1 [=====] - 0s 76ms/step
>4065, dr[0.612,0.510], df[0.553,0.141], g[1.574,0.114]
1/1 [=====] - 0s 75ms/step
>4066, dr[0.542,0.687], df[0.642,0.129], g[1.473,0.096]
1/1 [=====] - 0s 93ms/step
>4067, dr[0.576,0.621], df[0.527,0.105], g[1.282,0.179]
1/1 [=====] - 0s 88ms/step
>4068, dr[0.487,0.435], df[0.597,0.074], g[1.368,0.233]
1/1 [=====] - 0s 85ms/step
>4069, dr[0.518,0.227], df[0.518,0.183], g[1.491,0.084]
1/1 [=====] - 0s 104ms/step
>4070, dr[0.686,0.394], df[0.504,0.043], g[1.450,0.141]
1/1 [=====] - 0s 86ms/step
>4071, dr[0.518,0.483], df[0.458,0.057], g[1.298,0.155]
1/1 [=====] - 0s 84ms/step
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>4072, dr[0.468,0.525], df[0.594,0.091], g[1.182,0.089]
1/1 [=====] - 0s 88ms/step
>4073, dr[0.320,0.351], df[0.486,0.103], g[1.385,0.092]
1/1 [=====] - 0s 82ms/step
>4074, dr[0.617,0.704], df[0.472,0.057], g[1.278,0.066]
1/1 [=====] - 0s 97ms/step
>4075, dr[0.491,0.628], df[0.617,0.091], g[1.374,0.063]
1/1 [=====] - 0s 81ms/step
>4076, dr[0.371,0.281], df[0.528,0.132], g[1.599,0.094]
1/1 [=====] - 0s 89ms/step
>4077, dr[0.682,0.424], df[0.362,0.069], g[1.466,0.137]
1/1 [=====] - 0s 95ms/step
>4078, dr[0.489,0.440], df[0.478,0.126], g[1.266,0.156]
1/1 [=====] - 0s 80ms/step
>4079, dr[0.600,0.475], df[0.550,0.095], g[1.266,0.179]
1/1 [=====] - 0s 76ms/step
>4080, dr[0.491,0.265], df[0.638,0.101], g[1.304,0.153]
1/1 [=====] - 0s 77ms/step
>4081, dr[0.547,0.214], df[0.579,0.274], g[1.380,0.243]
1/1 [=====] - 0s 84ms/step
>4082, dr[0.364,0.141], df[0.405,0.184], g[1.607,0.138]
1/1 [=====] - 0s 90ms/step
>4083, dr[0.602,0.833], df[0.697,0.113], g[1.511,0.079]
1/1 [=====] - 0s 83ms/step
>4084, dr[0.537,0.463], df[0.473,0.132], g[1.494,0.122]
1/1 [=====] - 0s 98ms/step
>4085, dr[0.664,0.521], df[0.427,0.066], g[1.342,0.085]
1/1 [=====] - 0s 95ms/step
>4086, dr[0.394,0.584], df[0.717,0.117], g[1.389,0.095]
1/1 [=====] - 0s 87ms/step
>4087, dr[0.605,0.859], df[0.475,0.089], g[1.468,0.141]
1/1 [=====] - 0s 83ms/step
>4088, dr[0.565,0.312], df[0.475,0.081], g[1.248,0.115]
1/1 [=====] - 0s 94ms/step
>4089, dr[0.520,0.475], df[0.675,0.174], g[1.433,0.095]
1/1 [=====] - 0s 85ms/step
>4090, dr[0.437,0.339], df[0.591,0.168], g[1.271,0.115]
1/1 [=====] - 0s 96ms/step
>4091, dr[0.458,0.387], df[0.327,0.088], g[1.347,0.110]
1/1 [=====] - 0s 87ms/step
>4092, dr[0.493,0.532], df[0.441,0.126], g[1.350,0.078]
1/1 [=====] - 0s 82ms/step
>4093, dr[0.608,0.784], df[0.687,0.162], g[1.343,0.174]
1/1 [=====] - 0s 84ms/step
>4094, dr[0.729,0.332], df[0.532,0.074], g[1.207,0.250]
1/1 [=====] - 0s 82ms/step
>4095, dr[0.550,0.778], df[0.572,0.100], g[1.320,0.107]
1/1 [=====] - 0s 99ms/step
>4096, dr[0.461,0.891], df[0.623,0.152], g[1.345,0.182]
1/1 [=====] - 0s 89ms/step
>4097, dr[0.422,0.520], df[0.476,0.078], g[1.443,0.080]
1/1 [=====] - 0s 78ms/step
>4098, dr[0.598,0.539], df[0.520,0.083], g[1.270,0.083]
1/1 [=====] - 0s 88ms/step
>4099, dr[0.490,0.239], df[0.574,0.054], g[1.302,0.065]
1/1 [=====] - 0s 91ms/step
>4100, dr[0.661,0.327], df[0.534,0.099], g[1.262,0.136]
1/1 [=====] - 0s 85ms/step
>4101, dr[0.497,0.581], df[0.636,0.075], g[1.518,0.095]
1/1 [=====] - 0s 91ms/step
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>4102, dr[0.453,0.527], df[0.415,0.092], g[1.412,0.157]
1/1 [=====] - 0s 91ms/step
>4103, dr[0.411,0.560], df[0.455,0.206], g[1.280,0.153]
1/1 [=====] - 0s 90ms/step
>4104, dr[0.496,0.556], df[0.545,0.167], g[1.493,0.064]
1/1 [=====] - 0s 86ms/step
>4105, dr[0.556,0.885], df[0.531,0.151], g[1.557,0.103]
1/1 [=====] - 0s 95ms/step
>4106, dr[0.555,0.709], df[0.573,0.126], g[1.455,0.163]
1/1 [=====] - 0s 77ms/step
>4107, dr[0.287,0.301], df[0.439,0.242], g[1.596,0.061]
1/1 [=====] - 0s 76ms/step
>4108, dr[0.519,0.461], df[0.613,0.191], g[1.447,0.110]
1/1 [=====] - 0s 78ms/step
>4109, dr[0.714,0.446], df[0.438,0.073], g[1.536,0.066]
1/1 [=====] - 0s 77ms/step
>4110, dr[0.771,0.476], df[0.528,0.150], g[1.524,0.058]
1/1 [=====] - 0s 83ms/step
>4111, dr[0.362,0.809], df[0.645,0.118], g[1.631,0.114]
1/1 [=====] - 0s 76ms/step
>4112, dr[0.457,0.382], df[0.418,0.092], g[1.413,0.115]
1/1 [=====] - 0s 77ms/step
>4113, dr[0.707,0.496], df[0.412,0.069], g[1.381,0.135]
1/1 [=====] - 0s 77ms/step
>4114, dr[0.680,0.625], df[0.511,0.143], g[1.341,0.068]
1/1 [=====] - 0s 75ms/step
>4115, dr[0.357,0.828], df[0.659,0.183], g[1.430,0.137]
1/1 [=====] - 0s 86ms/step
>4116, dr[0.553,0.586], df[0.595,0.122], g[1.490,0.121]
1/1 [=====] - 0s 81ms/step
>4117, dr[0.503,0.492], df[0.485,0.082], g[1.480,0.110]
1/1 [=====] - 0s 82ms/step
>4118, dr[0.674,0.742], df[0.663,0.111], g[1.311,0.154]
1/1 [=====] - 0s 81ms/step
>4119, dr[0.372,0.202], df[0.670,0.204], g[1.564,0.118]
1/1 [=====] - 0s 79ms/step
>4120, dr[0.607,0.515], df[0.493,0.103], g[1.571,0.103]
1/1 [=====] - 0s 77ms/step
>4121, dr[0.886,0.232], df[0.464,0.067], g[1.391,0.123]
1/1 [=====] - 0s 75ms/step
>4122, dr[0.373,0.218], df[0.481,0.082], g[1.423,0.103]
1/1 [=====] - 0s 83ms/step
>4123, dr[0.444,0.430], df[0.672,0.168], g[1.396,0.111]
1/1 [=====] - 0s 76ms/step
>4124, dr[0.590,0.498], df[0.434,0.169], g[1.550,0.139]
1/1 [=====] - 0s 83ms/step
>4125, dr[0.549,0.469], df[0.539,0.112], g[1.423,0.304]
1/1 [=====] - 0s 77ms/step
>4126, dr[0.475,0.871], df[0.649,0.081], g[1.342,0.244]
1/1 [=====] - 0s 78ms/step
>4127, dr[0.527,0.396], df[0.291,0.248], g[1.280,0.134]
1/1 [=====] - 0s 76ms/step
>4128, dr[0.359,0.966], df[0.502,0.050], g[1.438,0.060]
1/1 [=====] - 0s 76ms/step
>4129, dr[0.653,0.572], df[0.606,0.135], g[1.205,0.143]
1/1 [=====] - 0s 77ms/step
>4130, dr[0.494,0.531], df[0.503,0.206], g[1.229,0.092]
1/1 [=====] - 0s 77ms/step
>4131, dr[0.369,0.723], df[0.532,0.235], g[1.282,0.089]
1/1 [=====] - 0s 77ms/step
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>4132, dr[0.459,0.574], df[0.414,0.131], g[1.556,0.122]
1/1 [=====] - 0s 83ms/step
>4133, dr[0.500,0.356], df[0.505,0.127], g[1.272,0.100]
1/1 [=====] - 0s 88ms/step
>4134, dr[0.535,0.452], df[0.589,0.180], g[1.400,0.137]
1/1 [=====] - 0s 92ms/step
>4135, dr[0.588,0.169], df[0.477,0.143], g[1.297,0.169]
1/1 [=====] - 0s 87ms/step
>4136, dr[0.550,0.875], df[0.525,0.053], g[1.324,0.129]
1/1 [=====] - 0s 76ms/step
>4137, dr[0.278,0.240], df[0.549,0.182], g[1.414,0.122]
1/1 [=====] - 0s 81ms/step
>4138, dr[0.551,0.717], df[0.440,0.188], g[1.476,0.105]
1/1 [=====] - 0s 78ms/step
>4139, dr[0.627,0.421], df[0.397,0.170], g[0.934,0.153]
1/1 [=====] - 0s 78ms/step
>4140, dr[0.482,0.403], df[0.572,0.129], g[1.169,0.167]
1/1 [=====] - 0s 77ms/step
>4141, dr[0.324,0.552], df[0.658,0.103], g[1.467,0.150]
1/1 [=====] - 0s 77ms/step
>4142, dr[0.712,0.445], df[0.457,0.074], g[1.331,0.140]
1/1 [=====] - 0s 83ms/step
>4143, dr[0.451,0.863], df[0.514,0.227], g[1.616,0.071]
1/1 [=====] - 0s 77ms/step
>4144, dr[0.532,0.605], df[0.539,0.171], g[1.565,0.139]
1/1 [=====] - 0s 85ms/step
>4145, dr[0.437,0.715], df[0.583,0.136], g[1.585,0.148]
1/1 [=====] - 0s 80ms/step
>4146, dr[0.464,0.359], df[0.430,0.090], g[1.363,0.061]
1/1 [=====] - 0s 83ms/step
>4147, dr[0.574,0.370], df[0.506,0.097], g[1.497,0.070]
1/1 [=====] - 0s 78ms/step
>4148, dr[0.490,0.368], df[0.605,0.069], g[1.314,0.142]
1/1 [=====] - 0s 77ms/step
>4149, dr[0.552,0.599], df[0.433,0.082], g[1.106,0.213]
1/1 [=====] - 0s 90ms/step
>4150, dr[0.552,0.711], df[0.534,0.139], g[1.410,0.124]
1/1 [=====] - 0s 77ms/step
>4151, dr[0.337,0.950], df[0.612,0.137], g[1.222,0.199]
1/1 [=====] - 0s 78ms/step
>4152, dr[0.495,0.215], df[0.331,0.083], g[1.383,0.263]
1/1 [=====] - 0s 76ms/step
>4153, dr[0.435,0.358], df[0.499,0.177], g[1.231,0.104]
1/1 [=====] - 0s 81ms/step
>4154, dr[0.535,0.414], df[0.431,0.060], g[1.412,0.059]
1/1 [=====] - 0s 85ms/step
>4155, dr[0.543,0.350], df[0.588,0.102], g[1.206,0.058]
1/1 [=====] - 0s 77ms/step
>4156, dr[0.359,0.460], df[0.511,0.152], g[1.419,0.123]
1/1 [=====] - 0s 83ms/step
>4157, dr[0.485,0.454], df[0.683,0.061], g[1.319,0.156]
1/1 [=====] - 0s 80ms/step
>4158, dr[0.482,0.672], df[0.392,0.113], g[1.598,0.140]
1/1 [=====] - 0s 77ms/step
>4159, dr[0.621,0.712], df[0.590,0.135], g[1.388,0.117]
1/1 [=====] - 0s 77ms/step
>4160, dr[0.375,0.455], df[0.491,0.223], g[1.289,0.198]
1/1 [=====] - 0s 78ms/step
>4161, dr[0.566,0.812], df[0.540,0.062], g[1.696,0.138]
1/1 [=====] - 0s 84ms/step
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>4162, dr[0.569,0.850], df[0.644,0.120], g[1.754,0.070]
1/1 [=====] - 0s 77ms/step
>4163, dr[0.593,0.674], df[0.397,0.145], g[1.467,0.112]
1/1 [=====] - 0s 81ms/step
>4164, dr[0.592,0.756], df[0.650,0.164], g[1.284,0.115]
1/1 [=====] - 0s 81ms/step
>4165, dr[0.464,0.467], df[0.557,0.048], g[1.445,0.137]
1/1 [=====] - 0s 79ms/step
>4166, dr[0.663,0.686], df[0.429,0.162], g[1.263,0.102]
1/1 [=====] - 0s 78ms/step
>4167, dr[0.680,0.862], df[0.482,0.108], g[1.250,0.093]
1/1 [=====] - 0s 78ms/step
>4168, dr[0.463,0.676], df[0.617,0.194], g[1.211,0.057]
1/1 [=====] - 0s 87ms/step
>4169, dr[0.419,0.460], df[0.565,0.078], g[1.271,0.115]
1/1 [=====] - 0s 88ms/step
>4170, dr[0.463,0.618], df[0.584,0.107], g[1.360,0.088]
1/1 [=====] - 0s 80ms/step
>4171, dr[0.527,0.411], df[0.529,0.148], g[1.311,0.087]
1/1 [=====] - 0s 77ms/step
>4172, dr[0.643,0.486], df[0.409,0.059], g[1.466,0.102]
1/1 [=====] - 0s 79ms/step
>4173, dr[0.321,0.212], df[0.594,0.079], g[1.376,0.079]
1/1 [=====] - 0s 81ms/step
>4174, dr[0.441,0.472], df[0.520,0.173], g[1.527,0.049]
1/1 [=====] - 0s 81ms/step
>4175, dr[0.524,0.711], df[0.648,0.188], g[1.662,0.098]
1/1 [=====] - 0s 91ms/step
>4176, dr[0.471,0.506], df[0.446,0.059], g[1.790,0.177]
1/1 [=====] - 0s 81ms/step
>4177, dr[0.648,0.431], df[0.601,0.187], g[1.526,0.137]
1/1 [=====] - 0s 78ms/step
>4178, dr[0.500,0.388], df[0.505,0.202], g[1.466,0.154]
1/1 [=====] - 0s 84ms/step
>4179, dr[0.601,0.459], df[0.527,0.257], g[1.373,0.190]
1/1 [=====] - 0s 81ms/step
>4180, dr[0.513,0.315], df[0.497,0.166], g[1.263,0.112]
1/1 [=====] - 0s 78ms/step
>4181, dr[0.400,0.800], df[0.505,0.345], g[1.532,0.176]
1/1 [=====] - 0s 85ms/step
>4182, dr[0.581,0.819], df[0.465,0.190], g[1.275,0.229]
1/1 [=====] - 0s 89ms/step
>4183, dr[0.617,0.848], df[0.746,0.216], g[1.527,0.134]
1/1 [=====] - 0s 85ms/step
>4184, dr[0.667,0.773], df[0.580,0.192], g[1.315,0.096]
1/1 [=====] - 0s 84ms/step
>4185, dr[0.501,0.326], df[0.375,0.093], g[1.274,0.050]
1/1 [=====] - 0s 79ms/step
>4186, dr[0.420,0.281], df[0.488,0.162], g[1.252,0.187]
1/1 [=====] - 0s 98ms/step
>4187, dr[0.389,0.563], df[0.640,0.275], g[1.298,0.128]
1/1 [=====] - 0s 82ms/step
>4188, dr[0.496,1.036], df[0.617,0.300], g[1.535,0.215]
1/1 [=====] - 0s 78ms/step
>4189, dr[0.553,0.576], df[0.506,0.117], g[1.373,0.117]
1/1 [=====] - 0s 91ms/step
>4190, dr[0.682,0.758], df[0.412,0.060], g[1.380,0.237]
1/1 [=====] - 0s 80ms/step
>4191, dr[0.564,0.399], df[0.507,0.056], g[1.266,0.086]
1/1 [=====] - 0s 79ms/step
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>4192, dr[0.311,0.352], df[0.440,0.190], g[1.349,0.162]
1/1 [=====] - 0s 93ms/step
>4193, dr[0.400,0.674], df[0.734,0.187], g[1.626,0.097]
1/1 [=====] - 0s 79ms/step
>4194, dr[0.495,0.319], df[0.440,0.102], g[1.423,0.129]
1/1 [=====] - 0s 87ms/step
>4195, dr[0.461,0.650], df[0.398,0.056], g[1.325,0.122]
1/1 [=====] - 0s 77ms/step
>4196, dr[0.538,0.494], df[0.495,0.293], g[1.487,0.156]
1/1 [=====] - 0s 77ms/step
>4197, dr[0.441,0.460], df[0.500,0.198], g[1.171,0.197]
1/1 [=====] - 0s 76ms/step
>4198, dr[0.420,0.579], df[0.727,0.042], g[1.496,0.084]
1/1 [=====] - 0s 76ms/step
>4199, dr[0.426,0.623], df[0.426,0.059], g[1.571,0.121]
1/1 [=====] - 0s 86ms/step
>4200, dr[0.652,0.437], df[0.430,0.188], g[1.383,0.172]
1/1 [=====] - 0s 84ms/step
>4201, dr[0.607,0.449], df[0.405,0.144], g[1.228,0.192]
1/1 [=====] - 0s 79ms/step
>4202, dr[0.428,0.506], df[0.510,0.118], g[1.173,0.104]
1/1 [=====] - 0s 77ms/step
>4203, dr[0.527,0.432], df[0.537,0.092], g[1.695,0.046]
1/1 [=====] - 0s 83ms/step
>4204, dr[0.459,0.611], df[0.626,0.193], g[1.305,0.175]
1/1 [=====] - 0s 85ms/step
>4205, dr[0.463,0.480], df[0.439,0.150], g[1.428,0.091]
1/1 [=====] - 0s 78ms/step
>4206, dr[0.599,0.572], df[0.570,0.123], g[1.393,0.172]
1/1 [=====] - 0s 84ms/step
>4207, dr[0.483,0.454], df[0.404,0.121], g[1.549,0.096]
1/1 [=====] - 0s 77ms/step
>4208, dr[0.464,0.451], df[0.480,0.053], g[1.368,0.086]
1/1 [=====] - 0s 76ms/step
>4209, dr[0.420,0.501], df[0.662,0.090], g[1.352,0.111]
1/1 [=====] - 0s 75ms/step
>4210, dr[0.407,0.247], df[0.532,0.179], g[1.585,0.134]
1/1 [=====] - 0s 78ms/step
>4211, dr[0.532,0.467], df[0.470,0.134], g[1.799,0.092]
1/1 [=====] - 0s 86ms/step
>4212, dr[0.520,0.280], df[0.504,0.034], g[1.413,0.150]
1/1 [=====] - 0s 76ms/step
>4213, dr[0.721,0.405], df[0.441,0.208], g[1.458,0.063]
1/1 [=====] - 0s 86ms/step
>4214, dr[0.506,0.593], df[0.413,0.056], g[1.161,0.106]
1/1 [=====] - 0s 76ms/step
>4215, dr[0.458,0.602], df[0.588,0.153], g[1.291,0.276]
1/1 [=====] - 0s 82ms/step
>4216, dr[0.535,0.526], df[0.527,0.068], g[1.180,0.080]
1/1 [=====] - 0s 81ms/step
>4217, dr[0.377,0.698], df[0.570,0.192], g[1.301,0.170]
1/1 [=====] - 0s 75ms/step
>4218, dr[0.490,0.174], df[0.558,0.096], g[1.535,0.050]
1/1 [=====] - 0s 89ms/step
>4219, dr[0.555,0.610], df[0.548,0.050], g[1.420,0.084]
1/1 [=====] - 0s 79ms/step
>4220, dr[0.497,0.646], df[0.581,0.094], g[1.620,0.111]
1/1 [=====] - 0s 79ms/step
>4221, dr[0.468,0.223], df[0.540,0.221], g[1.412,0.081]
1/1 [=====] - 0s 77ms/step
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>4222, dr[0.683,0.895], df[0.405,0.182], g[1.363,0.099]
1/1 [=====] - 0s 83ms/step
>4223, dr[0.415,0.498], df[0.541,0.044], g[1.410,0.083]
1/1 [=====] - 0s 83ms/step
>4224, dr[0.500,0.151], df[0.546,0.040], g[1.308,0.054]
1/1 [=====] - 0s 77ms/step
>4225, dr[0.439,0.711], df[0.609,0.168], g[1.362,0.121]
1/1 [=====] - 0s 83ms/step
>4226, dr[0.551,0.650], df[0.539,0.165], g[1.361,0.066]
1/1 [=====] - 0s 77ms/step
>4227, dr[0.494,0.552], df[0.511,0.188], g[1.357,0.092]
1/1 [=====] - 0s 78ms/step
>4228, dr[0.505,0.477], df[0.405,0.117], g[1.514,0.052]
1/1 [=====] - 0s 78ms/step
>4229, dr[0.643,0.581], df[0.533,0.234], g[1.307,0.177]
1/1 [=====] - 0s 79ms/step
>4230, dr[0.516,0.365], df[0.599,0.130], g[1.336,0.170]
1/1 [=====] - 0s 84ms/step
>4231, dr[0.475,0.412], df[0.641,0.389], g[1.404,0.196]
1/1 [=====] - 0s 80ms/step
>4232, dr[0.558,0.462], df[0.576,0.049], g[1.357,0.118]
1/1 [=====] - 0s 88ms/step
>4233, dr[0.420,0.637], df[0.460,0.117], g[1.628,0.159]
1/1 [=====] - 0s 79ms/step
>4234, dr[0.526,0.412], df[0.529,0.164], g[1.611,0.183]
1/1 [=====] - 0s 85ms/step
>4235, dr[0.580,0.350], df[0.400,0.132], g[1.478,0.135]
1/1 [=====] - 0s 81ms/step
>4236, dr[0.700,0.771], df[0.662,0.333], g[1.197,0.230]
1/1 [=====] - 0s 78ms/step
>4237, dr[0.605,0.459], df[0.556,0.055], g[1.213,0.070]
1/1 [=====] - 0s 82ms/step
>4238, dr[0.471,0.524], df[0.733,0.070], g[1.274,0.080]
1/1 [=====] - 0s 126ms/step
>4239, dr[0.550,0.626], df[0.468,0.076], g[1.327,0.064]
1/1 [=====] - 0s 96ms/step
>4240, dr[0.500,0.395], df[0.546,0.098], g[1.312,0.180]
1/1 [=====] - 0s 81ms/step
>4241, dr[0.566,0.552], df[0.636,0.122], g[1.273,0.222]
1/1 [=====] - 0s 79ms/step
>4242, dr[0.457,0.607], df[0.394,0.050], g[1.289,0.107]
1/1 [=====] - 0s 87ms/step
>4243, dr[0.572,0.464], df[0.673,0.157], g[1.479,0.096]
1/1 [=====] - 0s 87ms/step
>4244, dr[0.323,0.659], df[0.451,0.087], g[1.632,0.115]
1/1 [=====] - 0s 86ms/step
>4245, dr[0.674,0.352], df[0.451,0.200], g[1.605,0.050]
1/1 [=====] - 0s 102ms/step
>4246, dr[0.829,0.782], df[0.544,0.070], g[1.371,0.201]
1/1 [=====] - 0s 99ms/step
>4247, dr[0.417,0.460], df[0.515,0.294], g[1.248,0.194]
1/1 [=====] - 0s 89ms/step
>4248, dr[0.399,0.825], df[0.410,0.062], g[1.328,0.098]
1/1 [=====] - 0s 83ms/step
>4249, dr[0.508,0.334], df[0.586,0.134], g[1.410,0.148]
1/1 [=====] - 0s 91ms/step
>4250, dr[0.449,0.560], df[0.381,0.131], g[1.434,0.142]
1/1 [=====] - 0s 75ms/step
>4251, dr[0.474,0.563], df[0.527,0.152], g[1.216,0.114]
1/1 [=====] - 0s 84ms/step
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>4252, dr[0.628,0.800], df[0.530,0.219], g[1.147,0.272]
1/1 [=====] - 0s 78ms/step
>4253, dr[0.409,0.365], df[0.536,0.315], g[1.403,0.141]
1/1 [=====] - 0s 78ms/step
>4254, dr[0.429,0.532], df[0.469,0.061], g[1.337,0.102]
1/1 [=====] - 0s 76ms/step
>4255, dr[0.499,0.435], df[0.542,0.061], g[1.592,0.107]
1/1 [=====] - 0s 75ms/step
>4256, dr[0.520,0.189], df[0.557,0.179], g[1.386,0.058]
1/1 [=====] - 0s 83ms/step
>4257, dr[0.556,0.576], df[0.461,0.142], g[1.414,0.084]
1/1 [=====] - 0s 86ms/step
>4258, dr[0.466,0.662], df[0.625,0.207], g[1.631,0.096]
1/1 [=====] - 0s 83ms/step
>4259, dr[0.558,0.478], df[0.565,0.140], g[1.398,0.218]
1/1 [=====] - 0s 81ms/step
>4260, dr[0.681,0.727], df[0.643,0.108], g[1.370,0.101]
1/1 [=====] - 0s 80ms/step
>4261, dr[0.488,0.756], df[0.423,0.071], g[1.510,0.119]
1/1 [=====] - 0s 81ms/step
>4262, dr[0.679,0.458], df[0.543,0.332], g[1.357,0.172]
1/1 [=====] - 0s 82ms/step
>4263, dr[0.550,0.888], df[0.622,0.091], g[1.482,0.216]
1/1 [=====] - 0s 86ms/step
>4264, dr[0.689,0.533], df[0.511,0.176], g[1.198,0.142]
1/1 [=====] - 0s 78ms/step
>4265, dr[0.457,0.481], df[0.552,0.103], g[1.400,0.113]
1/1 [=====] - 0s 78ms/step
>4266, dr[0.605,0.657], df[0.528,0.093], g[1.212,0.125]
1/1 [=====] - 0s 77ms/step
>4267, dr[0.261,0.448], df[0.725,0.120], g[1.404,0.072]
1/1 [=====] - 0s 77ms/step
>4268, dr[0.541,0.348], df[0.444,0.109], g[1.408,0.145]
1/1 [=====] - 0s 90ms/step
>4269, dr[0.586,0.525], df[0.496,0.099], g[1.418,0.080]
1/1 [=====] - 0s 77ms/step
>4270, dr[0.584,0.343], df[0.541,0.106], g[1.358,0.135]
1/1 [=====] - 0s 81ms/step
>4271, dr[0.427,0.332], df[0.509,0.145], g[1.296,0.127]
1/1 [=====] - 0s 76ms/step
>4272, dr[0.458,0.439], df[0.666,0.303], g[1.490,0.176]
1/1 [=====] - 0s 81ms/step
>4273, dr[0.528,0.349], df[0.467,0.101], g[1.622,0.099]
1/1 [=====] - 0s 79ms/step
>4274, dr[0.523,0.736], df[0.535,0.139], g[1.528,0.187]
1/1 [=====] - 0s 79ms/step
>4275, dr[0.643,0.440], df[0.544,0.305], g[1.292,0.203]
1/1 [=====] - 0s 83ms/step
>4276, dr[0.475,0.606], df[0.515,0.121], g[1.498,0.118]
1/1 [=====] - 0s 84ms/step
>4277, dr[0.544,0.406], df[0.481,0.106], g[1.330,0.070]
1/1 [=====] - 0s 78ms/step
>4278, dr[0.598,0.793], df[0.650,0.059], g[1.512,0.106]
1/1 [=====] - 0s 79ms/step
>4279, dr[0.326,0.434], df[0.669,0.075], g[1.589,0.066]
1/1 [=====] - 0s 78ms/step
>4280, dr[0.613,0.745], df[0.519,0.079], g[1.574,0.080]
1/1 [=====] - 0s 88ms/step
>4281, dr[0.767,0.240], df[0.529,0.297], g[1.475,0.089]
1/1 [=====] - 0s 78ms/step
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>4282, dr[0.425,0.288], df[0.412,0.115], g[1.255,0.132]
1/1 [=====] - 0s 84ms/step
>4283, dr[0.525,0.284], df[0.595,0.197], g[1.462,0.130]
1/1 [=====] - 0s 83ms/step
>4284, dr[0.452,0.657], df[0.491,0.082], g[1.392,0.117]
1/1 [=====] - 0s 86ms/step
>4285, dr[0.586,0.515], df[0.473,0.122], g[1.234,0.130]
1/1 [=====] - 0s 84ms/step
>4286, dr[0.563,0.499], df[0.475,0.088], g[0.929,0.116]
1/1 [=====] - 0s 77ms/step
>4287, dr[0.511,0.447], df[0.673,0.165], g[1.256,0.192]
1/1 [=====] - 0s 85ms/step
>4288, dr[0.402,0.207], df[0.535,0.243], g[1.456,0.129]
1/1 [=====] - 0s 78ms/step
>4289, dr[0.339,0.468], df[0.381,0.119], g[1.278,0.087]
1/1 [=====] - 0s 78ms/step
>4290, dr[0.664,0.405], df[0.523,0.206], g[1.287,0.100]
1/1 [=====] - 0s 81ms/step
>4291, dr[0.510,0.688], df[0.494,0.114], g[1.318,0.105]
1/1 [=====] - 0s 77ms/step
>4292, dr[0.451,0.889], df[0.613,0.150], g[1.414,0.177]
1/1 [=====] - 0s 83ms/step
>4293, dr[0.615,0.413], df[0.338,0.079], g[1.279,0.055]
1/1 [=====] - 0s 78ms/step
>4294, dr[0.408,0.512], df[0.833,0.170], g[1.475,0.158]
1/1 [=====] - 0s 78ms/step
>4295, dr[0.578,0.290], df[0.656,0.202], g[1.689,0.056]
1/1 [=====] - 0s 80ms/step
>4296, dr[0.618,0.373], df[0.416,0.107], g[1.459,0.128]
1/1 [=====] - 0s 93ms/step
>4297, dr[0.600,0.479], df[0.496,0.107], g[1.422,0.069]
1/1 [=====] - 0s 93ms/step
>4298, dr[0.491,0.348], df[0.569,0.360], g[1.466,0.144]
1/1 [=====] - 0s 95ms/step
>4299, dr[0.442,0.235], df[0.506,0.156], g[1.167,0.200]
1/1 [=====] - 0s 87ms/step
>4300, dr[0.485,0.556], df[0.538,0.085], g[1.369,0.134]
1/1 [=====] - 0s 96ms/step
>4301, dr[0.543,0.175], df[0.495,0.103], g[1.285,0.119]
1/1 [=====] - 0s 90ms/step
>4302, dr[0.458,0.485], df[0.453,0.126], g[1.215,0.133]
1/1 [=====] - 0s 86ms/step
>4303, dr[0.505,0.608], df[0.536,0.231], g[1.244,0.078]
1/1 [=====] - 0s 83ms/step
>4304, dr[0.429,0.561], df[0.702,0.136], g[1.415,0.171]
1/1 [=====] - 0s 89ms/step
>4305, dr[0.459,0.317], df[0.544,0.061], g[1.735,0.041]
1/1 [=====] - 0s 91ms/step
>4306, dr[0.575,0.264], df[0.591,0.135], g[1.607,0.065]
1/1 [=====] - 0s 90ms/step
>4307, dr[0.480,0.400], df[0.321,0.071], g[1.507,0.089]
1/1 [=====] - 0s 88ms/step
>4308, dr[0.632,0.677], df[0.439,0.074], g[1.466,0.148]
1/1 [=====] - 0s 87ms/step
>4309, dr[0.392,0.512], df[0.640,0.050], g[1.453,0.150]
1/1 [=====] - 0s 80ms/step
>4310, dr[0.625,0.520], df[0.541,0.077], g[1.445,0.127]
1/1 [=====] - 0s 80ms/step
>4311, dr[0.430,0.461], df[0.549,0.095], g[1.470,0.108]
1/1 [=====] - 0s 80ms/step
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>4312, dr[0.376,0.218], df[0.425,0.124], g[1.409,0.086]
1/1 [=====] - 0s 79ms/step
>4313, dr[0.505,0.400], df[0.520,0.153], g[1.605,0.075]
1/1 [=====] - 0s 78ms/step
>4314, dr[0.395,0.423], df[0.601,0.245], g[1.722,0.234]
1/1 [=====] - 0s 84ms/step
>4315, dr[0.661,0.706], df[0.421,0.059], g[1.404,0.174]
1/1 [=====] - 0s 86ms/step
>4316, dr[0.627,0.788], df[0.507,0.250], g[1.155,0.122]
1/1 [=====] - 0s 77ms/step
>4317, dr[0.679,0.508], df[0.662,0.169], g[1.328,0.054]
1/1 [=====] - 0s 80ms/step
>4318, dr[0.462,0.504], df[0.521,0.086], g[1.426,0.137]
1/1 [=====] - 0s 80ms/step
>4319, dr[0.456,0.461], df[0.546,0.285], g[1.525,0.122]
1/1 [=====] - 0s 77ms/step
>4320, dr[0.486,0.412], df[0.330,0.186], g[1.174,0.074]
1/1 [=====] - 0s 84ms/step
>4321, dr[0.522,0.549], df[0.443,0.086], g[1.118,0.139]
1/1 [=====] - 0s 78ms/step
>4322, dr[0.494,0.414], df[0.797,0.085], g[1.284,0.102]
1/1 [=====] - 0s 84ms/step
>4323, dr[0.493,0.872], df[0.475,0.081], g[1.402,0.103]
1/1 [=====] - 0s 78ms/step
>4324, dr[0.413,0.478], df[0.462,0.163], g[1.357,0.133]
1/1 [=====] - 0s 79ms/step
>4325, dr[0.613,0.839], df[0.498,0.139], g[1.346,0.097]
1/1 [=====] - 0s 91ms/step
>4326, dr[0.533,0.461], df[0.543,0.128], g[1.102,0.109]
1/1 [=====] - 0s 79ms/step
>4327, dr[0.607,0.602], df[0.448,0.082], g[1.172,0.138]
1/1 [=====] - 0s 80ms/step
>4328, dr[0.390,0.532], df[0.644,0.135], g[1.184,0.133]
1/1 [=====] - 0s 80ms/step
>4329, dr[0.563,0.491], df[0.531,0.185], g[1.331,0.085]
1/1 [=====] - 0s 80ms/step
>4330, dr[0.484,0.217], df[0.513,0.248], g[1.379,0.113]
1/1 [=====] - 0s 84ms/step
>4331, dr[0.446,0.777], df[0.377,0.087], g[1.485,0.105]
1/1 [=====] - 0s 80ms/step
>4332, dr[0.381,0.619], df[0.508,0.269], g[1.505,0.111]
1/1 [=====] - 0s 90ms/step
>4333, dr[0.608,0.455], df[0.516,0.048], g[1.264,0.125]
1/1 [=====] - 0s 83ms/step
>4334, dr[0.490,0.363], df[0.573,0.252], g[1.390,0.119]
1/1 [=====] - 0s 84ms/step
>4335, dr[0.467,0.500], df[0.483,0.069], g[1.553,0.169]
1/1 [=====] - 0s 94ms/step
>4336, dr[0.563,0.384], df[0.563,0.069], g[1.611,0.077]
1/1 [=====] - 0s 84ms/step
>4337, dr[0.570,0.233], df[0.391,0.170], g[1.380,0.235]
1/1 [=====] - 0s 82ms/step
>4338, dr[0.594,0.608], df[0.643,0.102], g[1.513,0.124]
1/1 [=====] - 0s 81ms/step
>4339, dr[0.479,0.435], df[0.656,0.074], g[1.496,0.085]
1/1 [=====] - 0s 84ms/step
>4340, dr[0.580,0.386], df[0.391,0.063], g[1.360,0.080]
1/1 [=====] - 0s 104ms/step
>4341, dr[0.552,0.630], df[0.580,0.207], g[1.232,0.125]
1/1 [=====] - 0s 79ms/step
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>4342, dr[0.512,0.323], df[0.674,0.108], g[1.406,0.143]
1/1 [=====] - 0s 84ms/step
>4343, dr[0.443,0.382], df[0.525,0.088], g[1.500,0.166]
1/1 [=====] - 0s 82ms/step
>4344, dr[0.524,0.462], df[0.466,0.057], g[1.389,0.099]
1/1 [=====] - 0s 77ms/step
>4345, dr[0.492,0.481], df[0.426,0.183], g[1.454,0.185]
1/1 [=====] - 0s 87ms/step
>4346, dr[0.412,0.356], df[0.533,0.156], g[1.210,0.098]
1/1 [=====] - 0s 78ms/step
>4347, dr[0.797,0.476], df[0.568,0.119], g[1.294,0.092]
1/1 [=====] - 0s 79ms/step
>4348, dr[0.462,0.414], df[0.527,0.089], g[1.426,0.084]
1/1 [=====] - 0s 78ms/step
>4349, dr[0.594,0.785], df[0.727,0.101], g[1.468,0.142]
1/1 [=====] - 0s 79ms/step
>4350, dr[0.495,0.412], df[0.480,0.051], g[1.294,0.083]
1/1 [=====] - 0s 86ms/step
>4351, dr[0.465,0.469], df[0.551,0.196], g[1.333,0.097]
1/1 [=====] - 0s 78ms/step
>4352, dr[0.607,0.480], df[0.495,0.078], g[1.316,0.053]
1/1 [=====] - 0s 82ms/step
>4353, dr[0.537,0.598], df[0.515,0.073], g[1.141,0.195]
1/1 [=====] - 0s 83ms/step
>4354, dr[0.507,0.343], df[0.599,0.068], g[1.636,0.181]
1/1 [=====] - 0s 87ms/step
>4355, dr[0.483,0.373], df[0.401,0.105], g[1.303,0.066]
1/1 [=====] - 0s 87ms/step
>4356, dr[0.551,0.795], df[0.405,0.179], g[1.275,0.125]
1/1 [=====] - 0s 81ms/step
>4357, dr[0.393,0.528], df[0.604,0.128], g[1.364,0.088]
1/1 [=====] - 0s 84ms/step
>4358, dr[0.451,0.187], df[0.589,0.072], g[1.437,0.126]
1/1 [=====] - 0s 102ms/step
>4359, dr[0.539,0.548], df[0.381,0.187], g[1.535,0.072]
1/1 [=====] - 0s 95ms/step
>4360, dr[0.550,0.807], df[0.533,0.130], g[1.299,0.166]
1/1 [=====] - 0s 84ms/step
>4361, dr[0.627,0.272], df[0.697,0.082], g[1.114,0.072]
1/1 [=====] - 0s 91ms/step
>4362, dr[0.309,0.533], df[0.455,0.075], g[1.176,0.149]
1/1 [=====] - 0s 80ms/step
>4363, dr[0.640,0.500], df[0.502,0.106], g[1.101,0.088]
1/1 [=====] - 0s 84ms/step
>4364, dr[0.602,0.548], df[0.607,0.300], g[1.115,0.095]
1/1 [=====] - 0s 81ms/step
>4365, dr[0.361,0.220], df[0.811,0.196], g[1.705,0.066]
1/1 [=====] - 0s 83ms/step
>4366, dr[0.758,0.480], df[0.455,0.091], g[1.490,0.065]
1/1 [=====] - 0s 90ms/step
>4367, dr[0.471,0.566], df[0.507,0.090], g[1.353,0.100]
1/1 [=====] - 0s 82ms/step
>4368, dr[0.521,0.394], df[0.552,0.061], g[1.188,0.043]
1/1 [=====] - 0s 91ms/step
>4369, dr[0.505,0.510], df[0.480,0.105], g[1.292,0.210]
1/1 [=====] - 0s 98ms/step
>4370, dr[0.524,0.545], df[0.590,0.026], g[1.274,0.251]
1/1 [=====] - 0s 82ms/step
>4371, dr[0.604,0.337], df[0.423,0.058], g[1.422,0.057]
1/1 [=====] - 0s 85ms/step
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>4372, dr[0.576,0.301], df[0.469,0.071], g[1.118,0.202]
1/1 [=====] - 0s 79ms/step
>4373, dr[0.363,0.575], df[0.660,0.082], g[1.322,0.164]
1/1 [=====] - 0s 82ms/step
>4374, dr[0.483,0.321], df[0.535,0.104], g[1.492,0.118]
1/1 [=====] - 0s 80ms/step
>4375, dr[0.436,0.334], df[0.512,0.118], g[1.449,0.163]
1/1 [=====] - 0s 80ms/step
>4376, dr[0.658,0.417], df[0.459,0.132], g[1.386,0.072]
1/1 [=====] - 0s 90ms/step
>4377, dr[0.403,0.665], df[0.564,0.085], g[1.469,0.106]
1/1 [=====] - 0s 88ms/step
>4378, dr[0.513,0.433], df[0.538,0.035], g[1.471,0.083]
1/1 [=====] - 0s 85ms/step
>4379, dr[0.473,0.443], df[0.530,0.056], g[1.540,0.088]
1/1 [=====] - 0s 141ms/step
>4380, dr[0.470,0.606], df[0.599,0.148], g[1.651,0.064]
1/1 [=====] - 0s 184ms/step
>4381, dr[0.508,0.418], df[0.489,0.060], g[1.334,0.103]
1/1 [=====] - 0s 85ms/step
>4382, dr[0.716,0.357], df[0.582,0.095], g[1.261,0.219]
1/1 [=====] - 0s 113ms/step
>4383, dr[0.424,0.346], df[0.528,0.104], g[1.691,0.067]
1/1 [=====] - 0s 100ms/step
>4384, dr[0.410,0.789], df[0.483,0.148], g[1.384,0.148]
1/1 [=====] - 0s 94ms/step
>4385, dr[0.645,0.657], df[0.488,0.084], g[1.548,0.088]
1/1 [=====] - 0s 87ms/step
>4386, dr[0.374,0.248], df[0.523,0.077], g[1.319,0.139]
1/1 [=====] - 0s 95ms/step
>4387, dr[0.573,0.522], df[0.427,0.191], g[1.450,0.151]
1/1 [=====] - 0s 83ms/step
>4388, dr[0.494,0.365], df[0.712,0.107], g[1.395,0.056]
1/1 [=====] - 0s 86ms/step
>4389, dr[0.448,0.417], df[0.426,0.064], g[1.440,0.075]
1/1 [=====] - 0s 89ms/step
>4390, dr[0.653,0.287], df[0.475,0.148], g[1.431,0.142]
1/1 [=====] - 0s 85ms/step
>4391, dr[0.622,0.471], df[0.614,0.125], g[1.253,0.059]
1/1 [=====] - 0s 92ms/step
>4392, dr[0.524,0.623], df[0.416,0.058], g[1.383,0.154]
1/1 [=====] - 0s 87ms/step
>4393, dr[0.557,0.306], df[0.435,0.047], g[1.343,0.098]
1/1 [=====] - 0s 82ms/step
>4394, dr[0.379,0.318], df[0.764,0.158], g[1.302,0.139]
1/1 [=====] - 0s 97ms/step
>4395, dr[0.583,0.745], df[0.547,0.085], g[1.440,0.051]
1/1 [=====] - 0s 90ms/step
>4396, dr[0.484,0.318], df[0.521,0.126], g[1.462,0.158]
1/1 [=====] - 0s 87ms/step
>4397, dr[0.556,0.296], df[0.629,0.123], g[1.424,0.082]
1/1 [=====] - 0s 90ms/step
>4398, dr[0.527,0.733], df[0.455,0.035], g[1.452,0.163]
1/1 [=====] - 0s 91ms/step
>4399, dr[0.424,0.419], df[0.495,0.058], g[1.511,0.073]
1/1 [=====] - 0s 87ms/step
>4400, dr[0.618,0.408], df[0.566,0.055], g[1.276,0.239]
1/1 [=====] - 0s 87ms/step
>4401, dr[0.689,0.510], df[0.604,0.039], g[1.197,0.235]
1/1 [=====] - 0s 84ms/step
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>4402, dr[0.319,0.609], df[0.585,0.039], g[1.434,0.097]
1/1 [=====] - 0s 93ms/step
>4403, dr[0.429,0.625], df[0.624,0.031], g[1.318,0.118]
1/1 [=====] - 0s 93ms/step
>4404, dr[0.764,0.726], df[0.429,0.106], g[1.195,0.116]
1/1 [=====] - 0s 94ms/step
>4405, dr[0.400,0.255], df[0.518,0.045], g[1.246,0.101]
1/1 [=====] - 0s 90ms/step
>4406, dr[0.533,0.931], df[0.554,0.070], g[1.380,0.159]
1/1 [=====] - 0s 84ms/step
>4407, dr[0.625,0.404], df[0.434,0.145], g[1.447,0.171]
1/1 [=====] - 0s 83ms/step
>4408, dr[0.578,0.308], df[0.672,0.218], g[1.219,0.071]
1/1 [=====] - 0s 91ms/step
>4409, dr[0.520,0.347], df[0.586,0.121], g[1.350,0.070]
1/1 [=====] - 0s 82ms/step
>4410, dr[0.440,0.336], df[0.428,0.051], g[1.352,0.073]
1/1 [=====] - 0s 83ms/step
>4411, dr[0.464,0.256], df[0.582,0.058], g[1.147,0.117]
1/1 [=====] - 0s 93ms/step
>4412, dr[0.394,0.525], df[0.607,0.083], g[1.324,0.174]
1/1 [=====] - 0s 83ms/step
>4413, dr[0.462,0.272], df[0.471,0.072], g[1.559,0.088]
1/1 [=====] - 0s 103ms/step
>4414, dr[0.724,0.376], df[0.453,0.063], g[1.201,0.137]
1/1 [=====] - 0s 87ms/step
>4415, dr[0.387,0.262], df[0.439,0.067], g[1.173,0.092]
1/1 [=====] - 0s 83ms/step
>4416, dr[0.481,0.719], df[0.472,0.086], g[1.228,0.114]
1/1 [=====] - 0s 86ms/step
>4417, dr[0.540,0.848], df[0.574,0.178], g[1.289,0.059]
1/1 [=====] - 0s 82ms/step
>4418, dr[0.451,0.305], df[0.611,0.073], g[1.453,0.049]
1/1 [=====] - 0s 82ms/step
>4419, dr[0.627,0.766], df[0.530,0.161], g[1.595,0.092]
1/1 [=====] - 0s 87ms/step
>4420, dr[0.580,0.431], df[0.548,0.153], g[1.157,0.060]
1/1 [=====] - 0s 81ms/step
>4421, dr[0.419,0.349], df[0.503,0.062], g[1.329,0.239]
1/1 [=====] - 0s 82ms/step
>4422, dr[0.456,0.953], df[0.559,0.166], g[1.367,0.121]
1/1 [=====] - 0s 83ms/step
>4423, dr[0.724,0.531], df[0.473,0.091], g[1.367,0.149]
1/1 [=====] - 0s 80ms/step
>4424, dr[0.500,0.204], df[0.463,0.078], g[1.216,0.069]
1/1 [=====] - 0s 87ms/step
>4425, dr[0.639,0.471], df[0.663,0.024], g[1.118,0.135]
1/1 [=====] - 0s 80ms/step
>4426, dr[0.470,0.556], df[0.582,0.066], g[1.153,0.155]
1/1 [=====] - 0s 78ms/step
>4427, dr[0.501,0.213], df[0.526,0.173], g[1.354,0.076]
1/1 [=====] - 0s 82ms/step
>4428, dr[0.475,0.521], df[0.661,0.131], g[1.429,0.075]
1/1 [=====] - 0s 86ms/step
>4429, dr[0.522,0.675], df[0.547,0.321], g[1.339,0.128]
1/1 [=====] - 0s 89ms/step
>4430, dr[0.468,0.496], df[0.404,0.102], g[1.173,0.066]
1/1 [=====] - 0s 81ms/step
>4431, dr[0.555,0.477], df[0.499,0.092], g[1.286,0.091]
1/1 [=====] - 0s 79ms/step
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>4432, dr[0.393,0.383], df[0.576,0.215], g[1.136,0.132]
1/1 [=====] - 0s 86ms/step
>4433, dr[0.472,0.633], df[0.527,0.035], g[1.300,0.116]
1/1 [=====] - 0s 79ms/step
>4434, dr[0.453,0.308], df[0.509,0.115], g[1.379,0.120]
1/1 [=====] - 0s 88ms/step
>4435, dr[0.609,0.263], df[0.511,0.090], g[1.342,0.078]
1/1 [=====] - 0s 81ms/step
>4436, dr[0.334,0.242], df[0.489,0.092], g[1.483,0.116]
1/1 [=====] - 0s 79ms/step
>4437, dr[0.426,0.349], df[0.442,0.075], g[1.243,0.125]
1/1 [=====] - 0s 88ms/step
>4438, dr[0.518,0.562], df[0.638,0.116], g[1.414,0.094]
1/1 [=====] - 0s 81ms/step
>4439, dr[0.609,0.577], df[0.562,0.075], g[1.622,0.151]
1/1 [=====] - 0s 86ms/step
>4440, dr[0.609,0.546], df[0.556,0.103], g[1.429,0.131]
1/1 [=====] - 0s 80ms/step
>4441, dr[0.622,0.738], df[0.634,0.114], g[1.231,0.090]
1/1 [=====] - 0s 79ms/step
>4442, dr[0.550,0.346], df[0.577,0.121], g[1.563,0.102]
1/1 [=====] - 0s 98ms/step
>4443, dr[0.435,0.632], df[0.380,0.062], g[1.291,0.133]
1/1 [=====] - 0s 96ms/step
>4444, dr[0.713,0.694], df[0.678,0.104], g[1.343,0.135]
1/1 [=====] - 0s 90ms/step
>4445, dr[0.471,0.894], df[0.554,0.129], g[1.193,0.100]
1/1 [=====] - 0s 92ms/step
>4446, dr[0.544,0.675], df[0.548,0.095], g[1.083,0.214]
1/1 [=====] - 0s 82ms/step
>4447, dr[0.332,0.606], df[0.368,0.144], g[1.423,0.084]
1/1 [=====] - 0s 145ms/step
>4448, dr[0.655,0.605], df[0.577,0.166], g[1.205,0.144]
1/1 [=====] - 0s 105ms/step
>4449, dr[0.573,0.573], df[0.530,0.074], g[1.164,0.122]
1/1 [=====] - 0s 99ms/step
>4450, dr[0.432,0.535], df[0.477,0.063], g[1.278,0.113]
1/1 [=====] - 0s 124ms/step
>4451, dr[0.416,0.356], df[0.564,0.158], g[1.212,0.103]
1/1 [=====] - 0s 98ms/step
>4452, dr[0.537,0.603], df[0.676,0.091], g[1.375,0.153]
1/1 [=====] - 0s 89ms/step
>4453, dr[0.491,0.563], df[0.507,0.117], g[1.437,0.094]
1/1 [=====] - 0s 96ms/step
>4454, dr[0.613,0.508], df[0.645,0.160], g[1.379,0.152]
1/1 [=====] - 0s 96ms/step
>4455, dr[0.475,0.301], df[0.429,0.107], g[1.637,0.156]
1/1 [=====] - 0s 86ms/step
>4456, dr[0.548,0.245], df[0.411,0.068], g[1.390,0.095]
1/1 [=====] - 0s 89ms/step
>4457, dr[0.547,0.674], df[0.577,0.086], g[1.287,0.192]
1/1 [=====] - 0s 124ms/step
>4458, dr[0.619,0.491], df[0.583,0.054], g[1.033,0.131]
1/1 [=====] - 0s 91ms/step
>4459, dr[0.447,0.231], df[0.743,0.144], g[1.304,0.101]
1/1 [=====] - 0s 89ms/step
>4460, dr[0.471,0.943], df[0.402,0.045], g[1.402,0.094]
1/1 [=====] - 0s 92ms/step
>4461, dr[0.491,0.444], df[0.528,0.051], g[1.428,0.099]
1/1 [=====] - 0s 85ms/step
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>4462, dr[0.487,0.254], df[0.580,0.077], g[1.318,0.078]
1/1 [=====] - 0s 92ms/step
>4463, dr[0.416,0.331], df[0.494,0.077], g[1.475,0.067]
1/1 [=====] - 0s 93ms/step
>4464, dr[0.632,0.657], df[0.500,0.081], g[1.182,0.104]
1/1 [=====] - 0s 86ms/step
>4465, dr[0.498,0.520], df[0.729,0.144], g[1.420,0.069]
1/1 [=====] - 0s 101ms/step
>4466, dr[0.631,0.503], df[0.393,0.083], g[1.437,0.103]
1/1 [=====] - 0s 93ms/step
>4467, dr[0.368,0.195], df[0.443,0.189], g[1.138,0.054]
1/1 [=====] - 0s 97ms/step
>4468, dr[0.414,0.585], df[0.473,0.069], g[1.417,0.149]
1/1 [=====] - 0s 91ms/step
>4469, dr[0.555,0.328], df[0.572,0.093], g[1.283,0.115]
1/1 [=====] - 0s 94ms/step
>4470, dr[0.588,0.507], df[0.568,0.158], g[1.400,0.132]
1/1 [=====] - 0s 93ms/step
>4471, dr[0.619,0.554], df[0.654,0.113], g[1.423,0.091]
1/1 [=====] - 0s 86ms/step
>4472, dr[0.594,0.274], df[0.510,0.037], g[1.438,0.183]
1/1 [=====] - 0s 94ms/step
>4473, dr[0.617,0.298], df[0.602,0.273], g[1.311,0.150]
1/1 [=====] - 0s 86ms/step
>4474, dr[0.496,0.388], df[0.510,0.155], g[1.340,0.161]
1/1 [=====] - 0s 84ms/step
>4475, dr[0.436,0.330], df[0.651,0.097], g[1.619,0.064]
1/1 [=====] - 0s 97ms/step
>4476, dr[0.557,0.563], df[0.341,0.080], g[1.449,0.128]
1/1 [=====] - 0s 84ms/step
>4477, dr[0.574,0.586], df[0.580,0.102], g[1.341,0.064]
1/1 [=====] - 0s 89ms/step
>4478, dr[0.478,0.698], df[0.699,0.124], g[1.346,0.086]
1/1 [=====] - 0s 88ms/step
>4479, dr[0.536,0.282], df[0.351,0.115], g[1.515,0.096]
1/1 [=====] - 0s 85ms/step
>4480, dr[0.505,0.270], df[0.750,0.104], g[1.566,0.101]
1/1 [=====] - 0s 116ms/step
>4481, dr[0.461,0.237], df[0.495,0.091], g[1.652,0.074]
1/1 [=====] - 0s 90ms/step
>4482, dr[0.531,0.673], df[0.635,0.040], g[1.633,0.094]
1/1 [=====] - 0s 88ms/step
>4483, dr[0.484,0.339], df[0.424,0.049], g[1.392,0.113]
1/1 [=====] - 0s 132ms/step
>4484, dr[0.639,0.763], df[0.486,0.097], g[1.520,0.063]
1/1 [=====] - 0s 121ms/step
>4485, dr[0.646,0.654], df[0.527,0.120], g[1.306,0.104]
1/1 [=====] - 0s 128ms/step
>4486, dr[0.534,0.768], df[0.769,0.113], g[1.250,0.153]
1/1 [=====] - 0s 132ms/step
>4487, dr[0.505,0.407], df[0.463,0.077], g[1.263,0.097]
1/1 [=====] - 0s 117ms/step
>4488, dr[0.492,0.631], df[0.423,0.200], g[1.389,0.168]
1/1 [=====] - 0s 95ms/step
>4489, dr[0.504,0.324], df[0.473,0.291], g[1.479,0.156]
1/1 [=====] - 0s 119ms/step
>4490, dr[0.546,0.554], df[0.636,0.057], g[1.278,0.149]
1/1 [=====] - 0s 105ms/step
>4491, dr[0.442,0.294], df[0.542,0.091], g[1.498,0.090]
1/1 [=====] - 0s 111ms/step
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>4492, dr[0.490,0.445], df[0.411,0.076], g[1.377,0.070]
1/1 [=====] - 0s 147ms/step
>4493, dr[0.538,0.452], df[0.448,0.200], g[1.335,0.085]
1/1 [=====] - 0s 140ms/step
>4494, dr[0.352,0.137], df[0.507,0.097], g[1.442,0.103]
1/1 [=====] - 0s 98ms/step
>4495, dr[0.627,0.922], df[0.527,0.143], g[1.257,0.152]
1/1 [=====] - 0s 107ms/step
>4496, dr[0.557,0.590], df[0.506,0.089], g[1.287,0.049]
1/1 [=====] - 0s 101ms/step
>4497, dr[0.411,0.533], df[0.509,0.063], g[1.390,0.118]
1/1 [=====] - 0s 99ms/step
>4498, dr[0.518,0.630], df[0.601,0.132], g[1.425,0.108]
1/1 [=====] - 0s 149ms/step
>4499, dr[0.472,0.508], df[0.451,0.174], g[1.333,0.063]
1/1 [=====] - 0s 89ms/step
>4500, dr[0.547,0.251], df[0.585,0.075], g[1.330,0.139]
1/1 [=====] - 0s 93ms/step
>4501, dr[0.550,0.360], df[0.415,0.089], g[1.296,0.091]
1/1 [=====] - 0s 114ms/step
>4502, dr[0.558,0.563], df[0.440,0.095], g[1.231,0.071]
1/1 [=====] - 0s 101ms/step
>4503, dr[0.528,0.899], df[0.520,0.086], g[1.208,0.148]
1/1 [=====] - 0s 89ms/step
>4504, dr[0.344,0.389], df[0.511,0.128], g[1.330,0.130]
1/1 [=====] - 0s 87ms/step
>4505, dr[0.502,0.530], df[0.617,0.095], g[1.199,0.139]
1/1 [=====] - 0s 83ms/step
>4506, dr[0.580,1.246], df[0.576,0.061], g[1.341,0.157]
1/1 [=====] - 0s 91ms/step
>4507, dr[0.431,0.368], df[0.404,0.169], g[1.381,0.124]
1/1 [=====] - 0s 85ms/step
>4508, dr[0.475,0.445], df[0.692,0.045], g[1.300,0.120]
1/1 [=====] - 0s 83ms/step
>4509, dr[0.672,0.795], df[0.459,0.099], g[1.201,0.174]
1/1 [=====] - 0s 89ms/step
>4510, dr[0.441,0.379], df[0.479,0.167], g[1.510,0.131]
1/1 [=====] - 0s 95ms/step
>4511, dr[0.430,0.422], df[0.526,0.096], g[1.292,0.146]
1/1 [=====] - 0s 98ms/step
>4512, dr[0.546,0.356], df[0.476,0.082], g[1.279,0.041]
1/1 [=====] - 0s 102ms/step
>4513, dr[0.627,0.620], df[0.674,0.051], g[1.199,0.085]
1/1 [=====] - 0s 132ms/step
>4514, dr[0.417,0.257], df[0.508,0.115], g[1.456,0.149]
1/1 [=====] - 0s 96ms/step
>4515, dr[0.605,0.640], df[0.515,0.125], g[1.285,0.176]
1/1 [=====] - 0s 92ms/step
>4516, dr[0.368,0.207], df[0.554,0.260], g[1.299,0.207]
1/1 [=====] - 0s 110ms/step
>4517, dr[0.667,0.607], df[0.363,0.068], g[1.368,0.160]
1/1 [=====] - 0s 92ms/step
>4518, dr[0.551,0.357], df[0.771,0.169], g[1.635,0.116]
1/1 [=====] - 0s 87ms/step
>4519, dr[0.676,0.280], df[0.487,0.114], g[1.283,0.174]
1/1 [=====] - 0s 96ms/step
>4520, dr[0.469,0.581], df[0.564,0.111], g[1.440,0.077]
1/1 [=====] - 0s 101ms/step
>4521, dr[0.669,0.306], df[0.706,0.261], g[1.241,0.095]
1/1 [=====] - 0s 107ms/step
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>4522, dr[0.620,0.223], df[0.587,0.098], g[1.298,0.106]
1/1 [=====] - 0s 109ms/step
>4523, dr[0.439,0.627], df[0.627,0.246], g[1.401,0.094]
1/1 [=====] - 0s 115ms/step
>4524, dr[0.697,1.130], df[0.606,0.141], g[1.494,0.131]
1/1 [=====] - 0s 92ms/step
>4525, dr[0.529,0.606], df[0.497,0.169], g[1.491,0.093]
1/1 [=====] - 0s 83ms/step
>4526, dr[0.534,0.857], df[0.435,0.060], g[1.442,0.099]
1/1 [=====] - 0s 98ms/step
>4527, dr[0.485,0.286], df[0.663,0.131], g[1.465,0.106]
1/1 [=====] - 0s 90ms/step
>4528, dr[0.641,0.945], df[0.587,0.147], g[1.262,0.123]
1/1 [=====] - 0s 83ms/step
>4529, dr[0.546,0.551], df[0.466,0.179], g[1.378,0.070]
1/1 [=====] - 0s 91ms/step
>4530, dr[0.686,0.380], df[0.609,0.056], g[1.284,0.090]
1/1 [=====] - 0s 98ms/step
>4531, dr[0.421,0.629], df[0.609,0.046], g[1.295,0.083]
1/1 [=====] - 0s 104ms/step
>4532, dr[0.428,0.413], df[0.572,0.064], g[1.481,0.082]
1/1 [=====] - 0s 97ms/step
>4533, dr[0.720,0.855], df[0.563,0.177], g[1.451,0.102]
1/1 [=====] - 0s 92ms/step
>4534, dr[0.616,0.673], df[0.550,0.118], g[1.255,0.144]
1/1 [=====] - 0s 142ms/step
>4535, dr[0.461,0.279], df[0.548,0.098], g[1.425,0.225]
1/1 [=====] - 0s 118ms/step
>4536, dr[0.564,0.202], df[0.707,0.058], g[1.336,0.079]
1/1 [=====] - 0s 126ms/step
>4537, dr[0.672,0.283], df[0.713,0.138], g[1.346,0.100]
1/1 [=====] - 0s 131ms/step
>4538, dr[0.560,0.570], df[0.465,0.140], g[1.412,0.069]
1/1 [=====] - 0s 134ms/step
>4539, dr[0.563,0.450], df[0.562,0.151], g[1.231,0.146]
1/1 [=====] - 0s 149ms/step
>4540, dr[0.470,0.824], df[0.524,0.089], g[1.258,0.131]
1/1 [=====] - 0s 131ms/step
>4541, dr[0.488,1.099], df[0.506,0.069], g[1.274,0.100]
1/1 [=====] - 0s 116ms/step
>4542, dr[0.669,0.379], df[0.515,0.270], g[1.354,0.113]
1/1 [=====] - 0s 114ms/step
>4543, dr[0.556,0.948], df[0.669,0.066], g[1.209,0.072]
1/1 [=====] - 0s 115ms/step
>4544, dr[0.422,0.440], df[0.551,0.135], g[1.365,0.084]
1/1 [=====] - 0s 89ms/step
>4545, dr[0.398,0.841], df[0.535,0.074], g[1.430,0.065]
1/1 [=====] - 0s 85ms/step
>4546, dr[0.447,0.724], df[0.508,0.060], g[1.362,0.167]
1/1 [=====] - 0s 105ms/step
>4547, dr[0.512,0.707], df[0.435,0.096], g[1.532,0.111]
1/1 [=====] - 0s 81ms/step
>4548, dr[0.476,0.503], df[0.404,0.136], g[1.188,0.057]
1/1 [=====] - 0s 88ms/step
>4549, dr[0.450,0.472], df[0.545,0.122], g[1.249,0.090]
1/1 [=====] - 0s 90ms/step
>4550, dr[0.411,0.226], df[0.644,0.079], g[1.250,0.152]
1/1 [=====] - 0s 83ms/step
>4551, dr[0.505,0.517], df[0.574,0.202], g[1.309,0.107]
1/1 [=====] - 0s 92ms/step
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>4552, dr[0.646,0.240], df[0.571,0.127], g[1.245,0.140]
1/1 [=====] - 0s 101ms/step
>4553, dr[0.503,0.475], df[0.667,0.046], g[1.435,0.148]
1/1 [=====] - 0s 86ms/step
>4554, dr[0.514,0.204], df[0.544,0.053], g[1.289,0.066]
1/1 [=====] - 0s 83ms/step
>4555, dr[0.627,0.825], df[0.332,0.060], g[1.358,0.217]
1/1 [=====] - 0s 82ms/step
>4556, dr[0.577,0.619], df[0.588,0.068], g[1.241,0.199]
1/1 [=====] - 0s 90ms/step
>4557, dr[0.360,0.171], df[0.553,0.090], g[1.444,0.074]
1/1 [=====] - 0s 116ms/step
>4558, dr[0.518,0.292], df[0.539,0.115], g[1.385,0.178]
1/1 [=====] - 0s 101ms/step
>4559, dr[0.503,0.735], df[0.456,0.058], g[1.365,0.145]
1/1 [=====] - 0s 92ms/step
>4560, dr[0.823,0.573], df[0.552,0.142], g[1.269,0.103]
1/1 [=====] - 0s 99ms/step
>4561, dr[0.467,0.332], df[0.472,0.105], g[1.265,0.134]
1/1 [=====] - 0s 84ms/step
>4562, dr[0.449,0.410], df[0.543,0.145], g[1.265,0.135]
1/1 [=====] - 0s 89ms/step
>4563, dr[0.604,0.998], df[0.450,0.109], g[1.229,0.173]
1/1 [=====] - 0s 81ms/step
>4564, dr[0.503,0.532], df[0.545,0.243], g[1.185,0.104]
1/1 [=====] - 0s 92ms/step
>4565, dr[0.455,0.200], df[0.535,0.156], g[1.319,0.097]
1/1 [=====] - 0s 148ms/step
>4566, dr[0.601,0.221], df[0.470,0.123], g[1.127,0.189]
1/1 [=====] - 0s 94ms/step
>4567, dr[0.515,0.673], df[0.547,0.101], g[1.153,0.150]
1/1 [=====] - 0s 91ms/step
>4568, dr[0.512,0.333], df[0.541,0.101], g[1.223,0.174]
1/1 [=====] - 0s 154ms/step
>4569, dr[0.474,0.418], df[0.575,0.059], g[1.349,0.113]
1/1 [=====] - 0s 130ms/step
>4570, dr[0.819,0.393], df[0.465,0.057], g[1.188,0.085]
1/1 [=====] - 0s 132ms/step
>4571, dr[0.338,0.559], df[0.430,0.100], g[1.040,0.105]
1/1 [=====] - 0s 122ms/step
>4572, dr[0.429,0.358], df[0.506,0.105], g[1.237,0.189]
1/1 [=====] - 0s 136ms/step
>4573, dr[0.356,0.422], df[0.744,0.051], g[1.484,0.126]
1/1 [=====] - 0s 137ms/step
>4574, dr[0.636,0.362], df[0.391,0.031], g[1.188,0.050]
1/1 [=====] - 0s 112ms/step
>4575, dr[0.483,0.789], df[0.517,0.101], g[1.248,0.097]
1/1 [=====] - 0s 94ms/step
>4576, dr[0.384,0.473], df[0.551,0.115], g[1.285,0.070]
1/1 [=====] - 0s 96ms/step
>4577, dr[0.487,0.227], df[0.389,0.052], g[1.380,0.206]
1/1 [=====] - 0s 85ms/step
>4578, dr[0.398,0.785], df[0.427,0.057], g[1.425,0.121]
1/1 [=====] - 0s 83ms/step
>4579, dr[0.612,0.534], df[0.469,0.038], g[1.201,0.174]
1/1 [=====] - 0s 116ms/step
>4580, dr[0.461,0.488], df[0.542,0.187], g[1.419,0.092]
1/1 [=====] - 0s 89ms/step
>4581, dr[0.730,0.654], df[0.618,0.193], g[1.249,0.159]
1/1 [=====] - 0s 82ms/step
```

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>4582, dr[0.421,0.512], df[0.496,0.063], g[1.256,0.076]
1/1 [=====] - 0s 84ms/step
>4583, dr[0.544,0.350], df[0.504,0.104], g[1.447,0.153]
1/1 [=====] - 0s 95ms/step
>4584, dr[0.432,0.553], df[0.564,0.052], g[1.421,0.040]
1/1 [=====] - 0s 86ms/step
>4585, dr[0.625,0.612], df[0.609,0.188], g[1.201,0.104]
1/1 [=====] - 0s 81ms/step
>4586, dr[0.533,0.671], df[0.435,0.109], g[1.329,0.059]
1/1 [=====] - 0s 86ms/step
>4587, dr[0.465,0.293], df[0.511,0.089], g[1.256,0.145]
1/1 [=====] - 0s 83ms/step
>4588, dr[0.456,0.551], df[0.489,0.111], g[1.265,0.276]
1/1 [=====] - 0s 83ms/step
>4589, dr[0.539,0.245], df[0.692,0.081], g[1.426,0.080]
1/1 [=====] - 0s 110ms/step
>4590, dr[0.397,0.530], df[0.443,0.042], g[1.480,0.066]
1/1 [=====] - 0s 97ms/step
>4591, dr[0.478,0.354], df[0.403,0.231], g[1.596,0.085]
1/1 [=====] - 0s 87ms/step
>4592, dr[0.646,0.364], df[0.527,0.047], g[1.298,0.076]
1/1 [=====] - 0s 83ms/step
>4593, dr[0.525,0.539], df[0.596,0.078], g[1.339,0.117]
1/1 [=====] - 0s 105ms/step
>4594, dr[0.670,0.629], df[0.522,0.100], g[1.201,0.056]
1/1 [=====] - 0s 82ms/step
>4595, dr[0.476,0.489], df[0.535,0.107], g[1.271,0.060]
1/1 [=====] - 0s 93ms/step
>4596, dr[0.434,0.645], df[0.472,0.061], g[1.326,0.072]
1/1 [=====] - 0s 88ms/step
>4597, dr[0.538,0.258], df[0.617,0.123], g[1.510,0.067]
1/1 [=====] - 0s 105ms/step
>4598, dr[0.653,0.431], df[0.536,0.112], g[1.462,0.050]
1/1 [=====] - 0s 89ms/step
>4599, dr[0.541,0.275], df[0.546,0.050], g[1.272,0.114]
1/1 [=====] - 0s 92ms/step
>4600, dr[0.414,0.703], df[0.468,0.122], g[1.212,0.198]
1/1 [=====] - 0s 93ms/step
>4601, dr[0.590,0.137], df[0.562,0.214], g[1.374,0.070]
1/1 [=====] - 0s 110ms/step
>4602, dr[0.611,0.439], df[0.822,0.215], g[1.335,0.108]
1/1 [=====] - 0s 100ms/step
>4603, dr[0.480,0.297], df[0.367,0.090], g[1.311,0.154]
1/1 [=====] - 0s 102ms/step
>4604, dr[0.606,0.144], df[0.802,0.295], g[1.126,0.140]
1/1 [=====] - 0s 91ms/step
>4605, dr[0.448,0.482], df[0.488,0.164], g[1.371,0.144]
1/1 [=====] - 0s 92ms/step
>4606, dr[0.466,0.527], df[0.573,0.179], g[1.637,0.045]
1/1 [=====] - 0s 110ms/step
>4607, dr[0.547,0.451], df[0.322,0.175], g[1.406,0.167]
1/1 [=====] - 0s 88ms/step
>4608, dr[0.510,0.189], df[0.405,0.098], g[1.059,0.081]
1/1 [=====] - 0s 94ms/step
>4609, dr[0.517,0.213], df[0.743,0.086], g[1.185,0.130]
1/1 [=====] - 0s 89ms/step
>4610, dr[0.500,0.258], df[0.444,0.214], g[1.445,0.085]
1/1 [=====] - 0s 139ms/step
>4611, dr[0.583,0.269], df[0.619,0.082], g[1.410,0.072]
1/1 [=====] - 0s 160ms/step
```

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>4612, dr[0.408,0.297], df[0.507,0.155], g[1.482,0.052]
1/1 [=====] - 0s 169ms/step
>4613, dr[0.534,0.269], df[0.566,0.065], g[1.279,0.082]
1/1 [=====] - 0s 158ms/step
>4614, dr[0.604,0.569], df[0.498,0.076], g[1.431,0.057]
1/1 [=====] - 0s 137ms/step
>4615, dr[0.506,0.276], df[0.594,0.091], g[1.270,0.117]
1/1 [=====] - 0s 93ms/step
>4616, dr[0.725,0.619], df[0.768,0.105], g[1.258,0.096]
1/1 [=====] - 0s 140ms/step
>4617, dr[0.454,0.310], df[0.537,0.328], g[1.427,0.041]
1/1 [=====] - 0s 107ms/step
>4618, dr[0.743,0.527], df[0.538,0.041], g[1.142,0.112]
1/1 [=====] - 0s 104ms/step
>4619, dr[0.527,0.623], df[0.612,0.135], g[1.208,0.092]
1/1 [=====] - 0s 101ms/step
>4620, dr[0.450,0.215], df[0.644,0.217], g[1.215,0.155]
1/1 [=====] - 0s 106ms/step
>4621, dr[0.527,0.444], df[0.516,0.159], g[1.242,0.114]
1/1 [=====] - 0s 131ms/step
>4622, dr[0.605,0.780], df[0.518,0.126], g[1.276,0.173]
1/1 [=====] - 0s 109ms/step
>4623, dr[0.597,0.343], df[0.511,0.045], g[1.241,0.061]
1/1 [=====] - 0s 106ms/step
>4624, dr[0.623,0.852], df[0.625,0.090], g[1.213,0.044]
1/1 [=====] - 0s 106ms/step
>4625, dr[0.386,0.325], df[0.528,0.268], g[1.260,0.168]
1/1 [=====] - 0s 103ms/step
>4626, dr[0.455,0.343], df[0.504,0.090], g[1.260,0.171]
1/1 [=====] - 0s 111ms/step
>4627, dr[0.497,0.413], df[0.376,0.045], g[1.559,0.065]
1/1 [=====] - 0s 93ms/step
>4628, dr[0.389,0.595], df[0.533,0.089], g[1.117,0.143]
1/1 [=====] - 0s 95ms/step
>4629, dr[0.524,0.406], df[0.561,0.099], g[1.388,0.096]
1/1 [=====] - 0s 98ms/step
>4630, dr[0.539,0.371], df[0.410,0.103], g[1.106,0.067]
1/1 [=====] - 0s 98ms/step
>4631, dr[0.515,0.693], df[0.514,0.132], g[1.289,0.057]
1/1 [=====] - 0s 97ms/step
>4632, dr[0.423,0.697], df[0.494,0.051], g[1.450,0.092]
1/1 [=====] - 0s 137ms/step
>4633, dr[0.473,0.540], df[0.530,0.091], g[1.203,0.138]
1/1 [=====] - 0s 432ms/step
>4634, dr[0.680,0.589], df[0.774,0.254], g[1.327,0.146]
1/1 [=====] - 0s 220ms/step
>4635, dr[0.607,0.418], df[0.364,0.062], g[1.314,0.200]
1/1 [=====] - 0s 252ms/step
>4636, dr[0.484,0.322], df[0.679,0.208], g[1.304,0.113]
1/1 [=====] - 1s 706ms/step
>4637, dr[0.491,0.459], df[0.490,0.209], g[1.346,0.147]
1/1 [=====] - 0s 147ms/step
>4638, dr[0.481,0.307], df[0.687,0.127], g[1.490,0.117]
1/1 [=====] - 1s 1s/step
>4639, dr[0.690,0.819], df[0.493,0.179], g[1.477,0.082]
1/1 [=====] - 0s 221ms/step
>4640, dr[0.392,0.339], df[0.449,0.083], g[1.429,0.105]
1/1 [=====] - 0s 168ms/step
>4641, dr[0.558,0.309], df[0.397,0.076], g[1.346,0.188]
1/1 [=====] - 0s 308ms/step
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>4642, dr[0.598,0.542], df[0.482,0.051], g[1.322,0.080]
1/1 [=====] - 0s 212ms/step
>4643, dr[0.475,0.538], df[0.549,0.158], g[1.147,0.121]
1/1 [=====] - 0s 273ms/step
>4644, dr[0.634,0.483], df[0.584,0.139], g[1.047,0.123]
1/1 [=====] - 1s 859ms/step
>4645, dr[0.378,0.483], df[0.693,0.090], g[1.283,0.116]
1/1 [=====] - 0s 145ms/step
>4646, dr[0.521,0.343], df[0.554,0.119], g[1.179,0.126]
1/1 [=====] - 0s 149ms/step
>4647, dr[0.480,0.527], df[0.702,0.089], g[1.136,0.113]
1/1 [=====] - 0s 122ms/step
>4648, dr[0.633,0.326], df[0.580,0.098], g[1.249,0.148]
1/1 [=====] - 0s 139ms/step
>4649, dr[0.697,0.623], df[0.539,0.082], g[1.446,0.072]
1/1 [=====] - 0s 132ms/step
>4650, dr[0.460,0.499], df[0.534,0.155], g[1.376,0.046]
1/1 [=====] - 0s 143ms/step
>4651, dr[0.559,0.202], df[0.429,0.145], g[1.143,0.170]
1/1 [=====] - 0s 120ms/step
>4652, dr[0.402,0.249], df[0.639,0.130], g[1.362,0.161]
1/1 [=====] - 0s 123ms/step
>4653, dr[0.718,0.363], df[0.567,0.238], g[1.324,0.247]
1/1 [=====] - 0s 117ms/step
>4654, dr[0.575,0.611], df[0.535,0.042], g[1.194,0.078]
1/1 [=====] - 0s 126ms/step
>4655, dr[0.502,0.111], df[0.578,0.075], g[1.401,0.047]
1/1 [=====] - 0s 195ms/step
>4656, dr[0.546,0.546], df[0.438,0.067], g[1.358,0.083]
1/1 [=====] - 0s 109ms/step
>4657, dr[0.397,1.003], df[0.474,0.068], g[1.243,0.067]
1/1 [=====] - 0s 138ms/step
>4658, dr[0.473,1.051], df[0.694,0.113], g[1.178,0.196]
1/1 [=====] - 0s 140ms/step
>4659, dr[0.606,0.462], df[0.455,0.175], g[1.223,0.152]
1/1 [=====] - 0s 101ms/step
>4660, dr[0.434,0.356], df[0.687,0.104], g[1.282,0.113]
1/1 [=====] - 0s 108ms/step
>4661, dr[0.683,0.538], df[0.536,0.187], g[1.383,0.075]
1/1 [=====] - 0s 108ms/step
>4662, dr[0.518,0.402], df[0.541,0.117], g[1.190,0.107]
1/1 [=====] - 0s 149ms/step
>4663, dr[0.499,0.307], df[0.689,0.059], g[1.432,0.080]
1/1 [=====] - 0s 126ms/step
>4664, dr[0.495,0.686], df[0.478,0.051], g[1.605,0.059]
1/1 [=====] - 0s 116ms/step
>4665, dr[0.469,0.580], df[0.641,0.088], g[1.394,0.146]
1/1 [=====] - 0s 115ms/step
>4666, dr[0.586,0.591], df[0.544,0.116], g[1.312,0.144]
1/1 [=====] - 0s 98ms/step
>4667, dr[0.528,0.442], df[0.603,0.324], g[1.206,0.061]
1/1 [=====] - 0s 146ms/step
>4668, dr[0.530,0.468], df[0.362,0.082], g[1.450,0.181]
1/1 [=====] - 0s 94ms/step
>4669, dr[0.532,0.266], df[0.613,0.257], g[1.271,0.064]
1/1 [=====] - 0s 131ms/step
>4670, dr[0.581,0.418], df[0.649,0.070], g[1.308,0.277]
1/1 [=====] - 0s 109ms/step
>4671, dr[0.518,0.439], df[0.454,0.063], g[1.250,0.067]
1/1 [=====] - 0s 99ms/step
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>4672, dr[0.390,0.400], df[0.560,0.092], g[1.217,0.153]
1/1 [=====] - 0s 146ms/step
>4673, dr[0.575,0.639], df[0.436,0.109], g[1.261,0.090]
1/1 [=====] - 0s 141ms/step
>4674, dr[0.494,0.346], df[0.524,0.056], g[1.352,0.069]
1/1 [=====] - 0s 165ms/step
>4675, dr[0.563,0.392], df[0.464,0.225], g[1.200,0.186]
1/1 [=====] - 0s 103ms/step
>4676, dr[0.422,0.359], df[0.540,0.125], g[1.246,0.108]
1/1 [=====] - 0s 128ms/step
>4677, dr[0.627,0.470], df[0.575,0.070], g[1.205,0.065]
1/1 [=====] - 0s 97ms/step
>4678, dr[0.531,0.557], df[0.536,0.094], g[1.510,0.132]
1/1 [=====] - 0s 114ms/step
>4679, dr[0.500,0.177], df[0.719,0.149], g[1.287,0.041]
1/1 [=====] - 0s 103ms/step
>4680, dr[0.561,0.532], df[0.568,0.067], g[1.551,0.099]
1/1 [=====] - 0s 87ms/step
>4681, dr[0.654,0.544], df[0.453,0.209], g[1.317,0.164]
1/1 [=====] - 0s 93ms/step
>4682, dr[0.520,0.374], df[0.575,0.045], g[1.413,0.072]
1/1 [=====] - 0s 100ms/step
>4683, dr[0.671,0.403], df[0.633,0.122], g[1.501,0.077]
1/1 [=====] - 0s 91ms/step
>4684, dr[0.452,0.499], df[0.563,0.046], g[1.389,0.052]
1/1 [=====] - 0s 89ms/step
>4685, dr[0.441,0.571], df[0.646,0.181], g[1.493,0.073]
4/4 [=====] - 0s 64ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_4685.png and model_4685.h5
1/1 [=====] - 0s 90ms/step
>4686, dr[0.563,0.411], df[0.432,0.287], g[1.467,0.171]
1/1 [=====] - 0s 104ms/step
>4687, dr[0.730,0.632], df[0.622,0.100], g[1.211,0.095]
1/1 [=====] - 0s 90ms/step
>4688, dr[0.507,0.585], df[0.596,0.032], g[1.375,0.058]
1/1 [=====] - 0s 120ms/step
>4689, dr[0.503,0.248], df[0.574,0.188], g[1.332,0.055]
1/1 [=====] - 0s 88ms/step
>4690, dr[0.430,0.851], df[0.457,0.181], g[1.266,0.081]
1/1 [=====] - 0s 96ms/step
>4691, dr[0.568,0.639], df[0.412,0.080], g[1.144,0.177]
1/1 [=====] - 0s 114ms/step
>4692, dr[0.480,0.552], df[0.511,0.090], g[1.305,0.057]
1/1 [=====] - 0s 92ms/step
>4693, dr[0.440,0.634], df[0.726,0.139], g[1.468,0.131]
1/1 [=====] - 0s 88ms/step
>4694, dr[0.500,0.452], df[0.383,0.154], g[1.301,0.086]
1/1 [=====] - 0s 93ms/step
>4695, dr[0.489,0.187], df[0.516,0.052], g[1.295,0.079]
1/1 [=====] - 0s 119ms/step
>4696, dr[0.553,0.288], df[0.507,0.139], g[1.465,0.221]
1/1 [=====] - 0s 113ms/step
>4697, dr[0.618,0.539], df[0.632,0.322], g[1.262,0.106]
1/1 [=====] - 0s 160ms/step
>4698, dr[0.539,0.335], df[0.568,0.068], g[1.250,0.092]
1/1 [=====] - 0s 218ms/step
>4699, dr[0.721,0.364], df[0.546,0.135], g[1.163,0.166]
1/1 [=====] - 0s 247ms/step
```

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>4700, dr[0.511,0.748], df[0.638,0.070], g[1.258,0.074]
1/1 [=====] - 0s 297ms/step
>4701, dr[0.493,0.326], df[0.482,0.052], g[1.332,0.102]
1/1 [=====] - 0s 230ms/step
>4702, dr[0.478,0.716], df[0.454,0.066], g[1.368,0.172]
1/1 [=====] - 0s 140ms/step
>4703, dr[0.596,0.639], df[0.506,0.093], g[1.334,0.162]
1/1 [=====] - 0s 113ms/step
>4704, dr[0.486,0.529], df[0.588,0.040], g[1.336,0.165]
1/1 [=====] - 0s 104ms/step
>4705, dr[0.487,0.587], df[0.720,0.202], g[1.177,0.196]
1/1 [=====] - 0s 115ms/step
>4706, dr[0.508,0.396], df[0.401,0.089], g[1.428,0.085]
1/1 [=====] - 0s 115ms/step
>4707, dr[0.596,0.420], df[0.420,0.088], g[1.396,0.075]
1/1 [=====] - 0s 123ms/step
>4708, dr[0.464,0.618], df[0.570,0.057], g[1.087,0.180]
1/1 [=====] - 0s 106ms/step
>4709, dr[0.527,0.583], df[0.713,0.161], g[1.273,0.042]
1/1 [=====] - 0s 130ms/step
>4710, dr[0.521,0.427], df[0.442,0.074], g[1.430,0.087]
1/1 [=====] - 0s 96ms/step
>4711, dr[0.446,0.347], df[0.451,0.038], g[1.328,0.145]
1/1 [=====] - 0s 91ms/step
>4712, dr[0.486,0.472], df[0.602,0.108], g[1.394,0.145]
1/1 [=====] - 0s 93ms/step
>4713, dr[0.605,0.469], df[0.639,0.072], g[1.395,0.085]
1/1 [=====] - 0s 99ms/step
>4714, dr[0.471,0.605], df[0.502,0.086], g[1.257,0.054]
1/1 [=====] - 0s 109ms/step
>4715, dr[0.839,0.235], df[0.741,0.061], g[1.340,0.147]
1/1 [=====] - 0s 90ms/step
>4716, dr[0.603,0.577], df[0.474,0.165], g[1.188,0.171]
1/1 [=====] - 0s 103ms/step
>4717, dr[0.493,0.635], df[0.429,0.086], g[1.370,0.072]
1/1 [=====] - 0s 91ms/step
>4718, dr[0.396,0.246], df[0.522,0.148], g[1.511,0.179]
1/1 [=====] - 0s 95ms/step
>4719, dr[0.512,0.276], df[0.509,0.071], g[1.293,0.117]
1/1 [=====] - 0s 90ms/step
>4720, dr[0.661,0.639], df[0.455,0.067], g[1.242,0.069]
1/1 [=====] - 0s 92ms/step
>4721, dr[0.500,0.414], df[0.658,0.067], g[1.229,0.179]
1/1 [=====] - 0s 104ms/step
>4722, dr[0.376,0.380], df[0.543,0.082], g[1.556,0.075]
1/1 [=====] - 0s 92ms/step
>4723, dr[0.652,0.849], df[0.442,0.091], g[1.336,0.115]
1/1 [=====] - 0s 121ms/step
>4724, dr[0.413,0.365], df[0.727,0.075], g[1.403,0.112]
1/1 [=====] - 0s 85ms/step
>4725, dr[0.590,0.078], df[0.570,0.064], g[1.407,0.059]
1/1 [=====] - 0s 104ms/step
>4726, dr[0.643,0.687], df[0.473,0.076], g[1.456,0.169]
1/1 [=====] - 0s 101ms/step
>4727, dr[0.717,0.876], df[0.698,0.068], g[1.412,0.042]
1/1 [=====] - 0s 91ms/step
>4728, dr[0.464,0.275], df[0.602,0.080], g[1.448,0.059]
1/1 [=====] - 0s 85ms/step
>4729, dr[0.519,0.748], df[0.395,0.058], g[1.325,0.083]
1/1 [=====] - 0s 93ms/step
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>4730, dr[0.466,0.646], df[0.594,0.164], g[1.283,0.142]
1/1 [=====] - 0s 92ms/step
>4731, dr[0.468,0.519], df[0.400,0.120], g[1.291,0.064]
1/1 [=====] - 0s 108ms/step
>4732, dr[0.485,0.577], df[0.394,0.070], g[1.231,0.084]
1/1 [=====] - 0s 95ms/step
>4733, dr[0.499,0.209], df[0.833,0.139], g[1.288,0.087]
1/1 [=====] - 0s 89ms/step
>4734, dr[0.483,0.430], df[0.536,0.045], g[1.413,0.107]
1/1 [=====] - 0s 97ms/step
>4735, dr[0.667,0.455], df[0.373,0.053], g[1.366,0.109]
1/1 [=====] - 0s 99ms/step
>4736, dr[0.518,0.539], df[0.528,0.076], g[1.241,0.103]
1/1 [=====] - 0s 130ms/step
>4737, dr[0.497,0.550], df[0.617,0.057], g[1.267,0.103]
1/1 [=====] - 0s 95ms/step
>4738, dr[0.588,0.782], df[0.572,0.088], g[1.340,0.076]
1/1 [=====] - 0s 113ms/step
>4739, dr[0.405,0.405], df[0.357,0.182], g[1.299,0.093]
1/1 [=====] - 0s 92ms/step
>4740, dr[0.441,0.380], df[0.506,0.053], g[1.278,0.061]
1/1 [=====] - 0s 100ms/step
>4741, dr[0.518,0.728], df[0.520,0.134], g[1.147,0.058]
1/1 [=====] - 0s 92ms/step
>4742, dr[0.434,0.606], df[0.523,0.072], g[1.279,0.154]
1/1 [=====] - 0s 91ms/step
>4743, dr[0.657,0.628], df[0.492,0.122], g[1.308,0.053]
1/1 [=====] - 0s 103ms/step
>4744, dr[0.367,0.735], df[0.362,0.058], g[1.334,0.084]
1/1 [=====] - 0s 86ms/step
>4745, dr[0.587,0.527], df[0.703,0.155], g[1.319,0.109]
1/1 [=====] - 0s 95ms/step
>4746, dr[0.412,0.302], df[0.606,0.097], g[1.402,0.061]
1/1 [=====] - 0s 101ms/step
>4747, dr[0.500,0.487], df[0.634,0.249], g[1.441,0.089]
1/1 [=====] - 0s 93ms/step
>4748, dr[0.472,0.627], df[0.356,0.030], g[1.404,0.105]
1/1 [=====] - 0s 157ms/step
>4749, dr[0.574,0.174], df[0.483,0.103], g[1.582,0.130]
1/1 [=====] - 0s 95ms/step
>4750, dr[0.647,0.368], df[0.599,0.148], g[1.344,0.086]
1/1 [=====] - 0s 92ms/step
>4751, dr[0.563,0.549], df[0.514,0.043], g[1.205,0.081]
1/1 [=====] - 0s 93ms/step
>4752, dr[0.601,0.493], df[0.604,0.105], g[1.163,0.136]
1/1 [=====] - 0s 89ms/step
>4753, dr[0.431,0.433], df[0.630,0.109], g[1.151,0.094]
1/1 [=====] - 0s 104ms/step
>4754, dr[0.427,0.312], df[0.492,0.115], g[1.415,0.134]
1/1 [=====] - 0s 94ms/step
>4755, dr[0.556,0.994], df[0.564,0.142], g[1.572,0.065]
1/1 [=====] - 0s 95ms/step
>4756, dr[0.571,0.604], df[0.419,0.056], g[1.405,0.099]
1/1 [=====] - 0s 107ms/step
>4757, dr[0.636,0.282], df[0.509,0.093], g[1.121,0.135]
1/1 [=====] - 0s 98ms/step
>4758, dr[0.549,0.541], df[0.658,0.071], g[1.241,0.116]
1/1 [=====] - 0s 96ms/step
>4759, dr[0.418,0.780], df[0.580,0.093], g[1.338,0.146]
1/1 [=====] - 0s 98ms/step
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>4760, dr[0.467,0.750], df[0.522,0.078], g[1.279,0.154]
1/1 [=====] - 0s 123ms/step
>4761, dr[0.550,0.892], df[0.493,0.083], g[1.241,0.061]
1/1 [=====] - 0s 101ms/step
>4762, dr[0.573,0.617], df[0.575,0.086], g[1.313,0.097]
1/1 [=====] - 0s 96ms/step
>4763, dr[0.325,0.386], df[0.376,0.080], g[1.045,0.213]
1/1 [=====] - 0s 95ms/step
>4764, dr[0.552,0.522], df[0.468,0.036], g[1.134,0.100]
1/1 [=====] - 0s 129ms/step
>4765, dr[0.458,0.391], df[0.490,0.088], g[1.307,0.090]
1/1 [=====] - 0s 140ms/step
>4766, dr[0.582,0.195], df[0.665,0.089], g[1.324,0.179]
1/1 [=====] - 0s 150ms/step
>4767, dr[0.541,0.332], df[0.545,0.028], g[1.203,0.162]
1/1 [=====] - 0s 109ms/step
>4768, dr[0.646,0.637], df[0.517,0.120], g[1.043,0.156]
1/1 [=====] - 0s 134ms/step
>4769, dr[0.458,0.627], df[0.637,0.043], g[1.282,0.091]
1/1 [=====] - 0s 120ms/step
>4770, dr[0.519,0.714], df[0.570,0.041], g[1.434,0.074]
1/1 [=====] - 0s 120ms/step
>4771, dr[0.512,0.301], df[0.399,0.093], g[1.145,0.116]
1/1 [=====] - 0s 124ms/step
>4772, dr[0.374,0.189], df[0.468,0.159], g[1.329,0.115]
1/1 [=====] - 0s 116ms/step
>4773, dr[0.621,0.543], df[0.521,0.067], g[1.224,0.085]
1/1 [=====] - 0s 107ms/step
>4774, dr[0.603,0.468], df[0.619,0.116], g[1.386,0.033]
1/1 [=====] - 0s 97ms/step
>4775, dr[0.485,0.299], df[0.502,0.078], g[1.164,0.093]
1/1 [=====] - 0s 94ms/step
>4776, dr[0.595,0.293], df[0.526,0.081], g[1.279,0.121]
1/1 [=====] - 0s 109ms/step
>4777, dr[0.474,0.485], df[0.618,0.033], g[1.099,0.187]
1/1 [=====] - 0s 139ms/step
>4778, dr[0.442,0.362], df[0.450,0.058], g[1.273,0.159]
1/1 [=====] - 0s 95ms/step
>4779, dr[0.499,0.481], df[0.537,0.079], g[1.292,0.158]
1/1 [=====] - 0s 97ms/step
>4780, dr[0.580,0.559], df[0.414,0.097], g[1.200,0.054]
1/1 [=====] - 0s 126ms/step
>4781, dr[0.524,0.621], df[0.552,0.196], g[1.241,0.160]
1/1 [=====] - 0s 90ms/step
>4782, dr[0.486,0.284], df[0.601,0.085], g[1.254,0.085]
1/1 [=====] - 0s 90ms/step
>4783, dr[0.501,0.502], df[0.544,0.130], g[1.141,0.131]
1/1 [=====] - 0s 111ms/step
>4784, dr[0.446,0.877], df[0.499,0.162], g[1.230,0.122]
1/1 [=====] - 0s 92ms/step
>4785, dr[0.587,0.556], df[0.600,0.152], g[1.368,0.063]
1/1 [=====] - 0s 87ms/step
>4786, dr[0.472,0.394], df[0.629,0.142], g[1.414,0.127]
1/1 [=====] - 0s 98ms/step
>4787, dr[0.512,0.615], df[0.415,0.119], g[1.298,0.226]
1/1 [=====] - 0s 98ms/step
>4788, dr[0.538,0.243], df[0.464,0.042], g[1.543,0.137]
1/1 [=====] - 0s 90ms/step
>4789, dr[0.570,0.298], df[0.693,0.223], g[1.280,0.092]
1/1 [=====] - 0s 94ms/step
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>4790, dr[0.640,0.475], df[0.516,0.073], g[1.263,0.131]
1/1 [=====] - 0s 87ms/step
>4791, dr[0.461,0.498], df[0.647,0.082], g[1.180,0.121]
1/1 [=====] - 0s 89ms/step
>4792, dr[0.516,0.295], df[0.540,0.106], g[1.330,0.155]
1/1 [=====] - 0s 93ms/step
>4793, dr[0.569,0.416], df[0.501,0.115], g[1.296,0.199]
1/1 [=====] - 0s 86ms/step
>4794, dr[0.619,0.611], df[0.578,0.114], g[1.270,0.104]
1/1 [=====] - 0s 91ms/step
>4795, dr[0.443,0.257], df[0.690,0.034], g[1.364,0.075]
1/1 [=====] - 0s 144ms/step
>4796, dr[0.419,0.474], df[0.539,0.133], g[1.571,0.139]
1/1 [=====] - 0s 82ms/step
>4797, dr[0.440,0.721], df[0.371,0.084], g[1.269,0.149]
1/1 [=====] - 0s 92ms/step
>4798, dr[0.601,0.654], df[0.530,0.054], g[1.371,0.176]
1/1 [=====] - 0s 222ms/step
>4799, dr[0.529,0.690], df[0.606,0.107], g[1.345,0.063]
1/1 [=====] - 0s 90ms/step
>4800, dr[0.643,1.151], df[0.381,0.041], g[1.167,0.087]
1/1 [=====] - 0s 88ms/step
>4801, dr[0.607,0.574], df[0.704,0.051], g[1.101,0.100]
1/1 [=====] - 0s 96ms/step
>4802, dr[0.488,0.546], df[0.705,0.221], g[1.238,0.117]
1/1 [=====] - 0s 89ms/step
>4803, dr[0.641,0.480], df[0.615,0.179], g[1.185,0.131]
1/1 [=====] - 0s 90ms/step
>4804, dr[0.376,0.297], df[0.436,0.082], g[1.209,0.110]
1/1 [=====] - 0s 88ms/step
>4805, dr[0.496,0.259], df[0.564,0.143], g[1.297,0.168]
1/1 [=====] - 0s 105ms/step
>4806, dr[0.519,0.924], df[0.453,0.054], g[1.109,0.116]
1/1 [=====] - 0s 115ms/step
>4807, dr[0.521,0.987], df[0.582,0.150], g[1.202,0.096]
1/1 [=====] - 0s 111ms/step
>4808, dr[0.597,0.500], df[0.550,0.091], g[1.402,0.117]
1/1 [=====] - 0s 99ms/step
>4809, dr[0.463,0.427], df[0.518,0.102], g[1.324,0.059]
1/1 [=====] - 0s 108ms/step
>4810, dr[0.548,0.578], df[0.665,0.129], g[1.244,0.103]
1/1 [=====] - 0s 94ms/step
>4811, dr[0.474,1.034], df[0.652,0.059], g[1.403,0.092]
1/1 [=====] - 0s 93ms/step
>4812, dr[0.499,0.315], df[0.479,0.237], g[1.501,0.088]
1/1 [=====] - 0s 87ms/step
>4813, dr[0.565,0.437], df[0.386,0.179], g[1.393,0.086]
1/1 [=====] - 0s 98ms/step
>4814, dr[0.445,0.620], df[0.554,0.130], g[1.320,0.189]
1/1 [=====] - 0s 95ms/step
>4815, dr[0.543,0.421], df[0.484,0.056], g[1.425,0.096]
1/1 [=====] - 0s 88ms/step
>4816, dr[0.560,0.563], df[0.493,0.099], g[1.180,0.150]
1/1 [=====] - 0s 91ms/step
>4817, dr[0.566,0.452], df[0.823,0.246], g[1.590,0.054]
1/1 [=====] - 0s 93ms/step
>4818, dr[0.648,0.357], df[0.440,0.205], g[1.512,0.043]
1/1 [=====] - 0s 93ms/step
>4819, dr[0.587,0.532], df[0.594,0.107], g[1.241,0.169]
1/1 [=====] - 0s 105ms/step
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>4820, dr[0.556,0.240], df[0.548,0.064], g[1.433,0.159]
1/1 [=====] - 0s 147ms/step
>4821, dr[0.464,0.305], df[0.517,0.140], g[1.252,0.078]
1/1 [=====] - 0s 96ms/step
>4822, dr[0.523,0.272], df[0.448,0.140], g[1.333,0.128]
1/1 [=====] - 0s 113ms/step
>4823, dr[0.627,0.491], df[0.676,0.041], g[1.211,0.107]
1/1 [=====] - 0s 93ms/step
>4824, dr[0.673,0.599], df[0.701,0.094], g[1.128,0.128]
1/1 [=====] - 0s 119ms/step
>4825, dr[0.702,1.079], df[0.508,0.051], g[1.223,0.087]
1/1 [=====] - 0s 90ms/step
>4826, dr[0.605,0.384], df[0.566,0.032], g[1.177,0.238]
1/1 [=====] - 0s 103ms/step
>4827, dr[0.462,0.374], df[0.656,0.199], g[1.224,0.136]
1/1 [=====] - 0s 100ms/step
>4828, dr[0.579,0.502], df[0.576,0.067], g[1.180,0.103]
1/1 [=====] - 0s 99ms/step
>4829, dr[0.569,0.255], df[0.540,0.087], g[1.203,0.087]
1/1 [=====] - 0s 104ms/step
>4830, dr[0.427,0.393], df[0.629,0.137], g[1.335,0.180]
1/1 [=====] - 0s 93ms/step
>4831, dr[0.460,0.728], df[0.451,0.062], g[1.230,0.135]
1/1 [=====] - 0s 94ms/step
>4832, dr[0.742,0.367], df[0.567,0.056], g[1.303,0.098]
1/1 [=====] - 0s 98ms/step
>4833, dr[0.390,0.386], df[0.419,0.104], g[1.304,0.117]
1/1 [=====] - 0s 91ms/step
>4834, dr[0.450,0.450], df[0.495,0.108], g[1.315,0.055]
1/1 [=====] - 0s 93ms/step
>4835, dr[0.478,0.581], df[0.591,0.043], g[1.234,0.093]
1/1 [=====] - 0s 91ms/step
>4836, dr[0.534,0.299], df[0.529,0.093], g[1.549,0.089]
1/1 [=====] - 0s 91ms/step
>4837, dr[0.621,0.361], df[0.527,0.060], g[1.305,0.161]
1/1 [=====] - 0s 92ms/step
>4838, dr[0.516,0.465], df[0.605,0.149], g[1.285,0.135]
1/1 [=====] - 0s 94ms/step
>4839, dr[0.414,0.631], df[0.485,0.157], g[1.397,0.137]
1/1 [=====] - 0s 91ms/step
>4840, dr[0.642,0.626], df[0.498,0.034], g[1.547,0.103]
1/1 [=====] - 0s 93ms/step
>4841, dr[0.637,0.620], df[0.560,0.051], g[1.325,0.064]
1/1 [=====] - 0s 99ms/step
>4842, dr[0.625,0.943], df[0.595,0.076], g[1.097,0.057]
1/1 [=====] - 0s 100ms/step
>4843, dr[0.491,0.688], df[0.629,0.260], g[1.164,0.141]
1/1 [=====] - 0s 93ms/step
>4844, dr[0.576,0.662], df[0.573,0.088], g[1.309,0.104]
1/1 [=====] - 0s 88ms/step
>4845, dr[0.347,0.296], df[0.659,0.087], g[1.360,0.080]
1/1 [=====] - 0s 88ms/step
>4846, dr[0.674,0.610], df[0.494,0.085], g[1.245,0.093]
1/1 [=====] - 0s 84ms/step
>4847, dr[0.588,0.246], df[0.735,0.223], g[1.165,0.060]
1/1 [=====] - 0s 84ms/step
>4848, dr[0.615,0.511], df[0.504,0.074], g[1.101,0.123]
1/1 [=====] - 0s 105ms/step
>4849, dr[0.514,0.593], df[0.502,0.081], g[1.188,0.100]
1/1 [=====] - 0s 107ms/step
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>4850, dr[0.594,0.647], df[0.489,0.175], g[1.307,0.036]
1/1 [=====] - 0s 102ms/step
>4851, dr[0.626,0.372], df[0.554,0.090], g[0.933,0.149]
1/1 [=====] - 0s 103ms/step
>4852, dr[0.416,0.445], df[0.554,0.103], g[1.277,0.098]
1/1 [=====] - 0s 105ms/step
>4853, dr[0.417,0.336], df[0.649,0.077], g[1.261,0.079]
1/1 [=====] - 0s 103ms/step
>4854, dr[0.539,0.419], df[0.496,0.164], g[1.280,0.093]
1/1 [=====] - 0s 110ms/step
>4855, dr[0.538,0.362], df[0.565,0.132], g[1.428,0.063]
1/1 [=====] - 0s 105ms/step
>4856, dr[0.448,0.445], df[0.373,0.087], g[1.329,0.142]
1/1 [=====] - 0s 100ms/step
>4857, dr[0.585,0.849], df[0.614,0.241], g[1.531,0.104]
1/1 [=====] - 0s 105ms/step
>4858, dr[0.504,0.845], df[0.471,0.084], g[1.325,0.142]
1/1 [=====] - 0s 133ms/step
>4859, dr[0.526,0.518], df[0.635,0.149], g[1.192,0.104]
1/1 [=====] - 0s 92ms/step
>4860, dr[0.457,0.339], df[0.653,0.092], g[1.414,0.044]
1/1 [=====] - 0s 105ms/step
>4861, dr[0.602,0.270], df[0.583,0.212], g[1.308,0.117]
1/1 [=====] - 0s 100ms/step
>4862, dr[0.609,0.384], df[0.506,0.059], g[1.420,0.121]
1/1 [=====] - 0s 114ms/step
>4863, dr[0.465,0.370], df[0.547,0.091], g[1.237,0.086]
1/1 [=====] - 0s 104ms/step
>4864, dr[0.537,0.540], df[0.630,0.123], g[1.303,0.080]
1/1 [=====] - 0s 106ms/step
>4865, dr[0.660,0.433], df[0.715,0.065], g[1.288,0.117]
1/1 [=====] - 0s 107ms/step
>4866, dr[0.589,0.560], df[0.315,0.095], g[1.229,0.276]
1/1 [=====] - 0s 218ms/step
>4867, dr[0.509,0.900], df[0.548,0.108], g[1.382,0.100]
1/1 [=====] - 0s 218ms/step
>4868, dr[0.492,0.964], df[0.695,0.098], g[1.215,0.096]
1/1 [=====] - 0s 92ms/step
>4869, dr[0.683,0.364], df[0.414,0.107], g[1.132,0.065]
1/1 [=====] - 0s 111ms/step
>4870, dr[0.376,0.200], df[0.535,0.141], g[1.258,0.089]
1/1 [=====] - 0s 111ms/step
>4871, dr[0.549,0.280], df[0.534,0.029], g[1.374,0.060]
1/1 [=====] - 0s 103ms/step
>4872, dr[0.553,0.292], df[0.564,0.109], g[1.319,0.098]
1/1 [=====] - 0s 94ms/step
>4873, dr[0.602,0.344], df[0.430,0.139], g[1.440,0.116]
1/1 [=====] - 0s 96ms/step
>4874, dr[0.430,0.394], df[0.628,0.115], g[1.330,0.141]
1/1 [=====] - 0s 101ms/step
>4875, dr[0.547,0.746], df[0.455,0.021], g[1.121,0.047]
1/1 [=====] - 0s 92ms/step
>4876, dr[0.472,0.511], df[0.429,0.123], g[1.234,0.211]
1/1 [=====] - 0s 103ms/step
>4877, dr[0.522,0.657], df[0.528,0.071], g[0.954,0.126]
1/1 [=====] - 0s 97ms/step
>4878, dr[0.420,0.462], df[0.707,0.038], g[1.313,0.096]
1/1 [=====] - 0s 93ms/step
>4879, dr[0.524,0.395], df[0.525,0.182], g[1.376,0.039]
1/1 [=====] - 0s 95ms/step
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>4880, dr[0.664,1.194], df[0.778,0.103], g[1.395,0.079]
1/1 [=====] - 0s 115ms/step
>4881, dr[0.644,0.241], df[0.494,0.129], g[1.192,0.144]
1/1 [=====] - 0s 103ms/step
>4882, dr[0.561,0.606], df[0.570,0.083], g[1.268,0.046]
1/1 [=====] - 0s 100ms/step
>4883, dr[0.679,0.314], df[0.441,0.186], g[1.172,0.080]
1/1 [=====] - 0s 115ms/step
>4884, dr[0.453,0.557], df[0.555,0.107], g[1.177,0.103]
1/1 [=====] - 0s 98ms/step
>4885, dr[0.438,0.432], df[0.521,0.074], g[1.338,0.075]
1/1 [=====] - 0s 106ms/step
>4886, dr[0.434,0.258], df[0.618,0.147], g[1.431,0.149]
1/1 [=====] - 0s 102ms/step
>4887, dr[0.427,0.300], df[0.407,0.169], g[1.289,0.067]
1/1 [=====] - 0s 110ms/step
>4888, dr[0.586,0.407], df[0.433,0.230], g[1.231,0.083]
1/1 [=====] - 0s 96ms/step
>4889, dr[0.500,0.549], df[0.564,0.118], g[1.352,0.078]
1/1 [=====] - 0s 103ms/step
>4890, dr[0.438,0.206], df[0.386,0.042], g[1.232,0.086]
1/1 [=====] - 0s 101ms/step
>4891, dr[0.536,0.463], df[0.553,0.125], g[1.375,0.090]
1/1 [=====] - 0s 92ms/step
>4892, dr[0.648,0.731], df[0.566,0.062], g[1.149,0.104]
1/1 [=====] - 0s 97ms/step
>4893, dr[0.487,0.268], df[0.699,0.125], g[1.371,0.142]
1/1 [=====] - 0s 101ms/step
>4894, dr[0.608,0.468], df[0.626,0.101], g[1.157,0.150]
1/1 [=====] - 0s 93ms/step
>4895, dr[0.526,0.658], df[0.569,0.063], g[1.285,0.053]
1/1 [=====] - 0s 102ms/step
>4896, dr[0.462,0.414], df[0.519,0.123], g[1.288,0.124]
1/1 [=====] - 0s 108ms/step
>4897, dr[0.700,0.446], df[0.537,0.100], g[1.253,0.069]
1/1 [=====] - 0s 96ms/step
>4898, dr[0.410,0.360], df[0.538,0.072], g[1.455,0.094]
1/1 [=====] - 0s 99ms/step
>4899, dr[0.523,0.491], df[0.458,0.235], g[1.388,0.089]
1/1 [=====] - 0s 91ms/step
>4900, dr[0.585,0.467], df[0.590,0.088], g[1.267,0.090]
1/1 [=====] - 0s 93ms/step
>4901, dr[0.475,0.345], df[0.663,0.062], g[1.273,0.072]
1/1 [=====] - 0s 91ms/step
>4902, dr[0.720,0.505], df[0.512,0.047], g[1.233,0.093]
1/1 [=====] - 0s 95ms/step
>4903, dr[0.482,0.428], df[0.592,0.083], g[1.386,0.087]
1/1 [=====] - 0s 97ms/step
>4904, dr[0.565,0.375], df[0.619,0.110], g[1.394,0.084]
1/1 [=====] - 0s 92ms/step
>4905, dr[0.670,0.736], df[0.519,0.063], g[1.285,0.098]
1/1 [=====] - 0s 92ms/step
>4906, dr[0.504,0.612], df[0.657,0.148], g[1.272,0.133]
1/1 [=====] - 0s 95ms/step
>4907, dr[0.546,0.419], df[0.596,0.083], g[1.365,0.089]
1/1 [=====] - 0s 92ms/step
>4908, dr[0.467,0.261], df[0.438,0.286], g[1.313,0.124]
1/1 [=====] - 0s 92ms/step
>4909, dr[0.603,0.656], df[0.426,0.123], g[1.157,0.104]
1/1 [=====] - 0s 103ms/step
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>4910, dr[0.587,0.884], df[0.473,0.025], g[1.223,0.121]
1/1 [=====] - 0s 92ms/step
>4911, dr[0.553,0.592], df[0.612,0.047], g[1.194,0.194]
1/1 [=====] - 0s 90ms/step
>4912, dr[0.494,0.441], df[0.597,0.062], g[1.118,0.127]
1/1 [=====] - 0s 98ms/step
>4913, dr[0.474,0.682], df[0.601,0.043], g[1.155,0.100]
1/1 [=====] - 0s 93ms/step
>4914, dr[0.624,0.414], df[0.389,0.089], g[1.233,0.072]
1/1 [=====] - 0s 94ms/step
>4915, dr[0.577,0.848], df[0.479,0.071], g[1.122,0.164]
1/1 [=====] - 0s 99ms/step
>4916, dr[0.639,0.412], df[0.657,0.094], g[0.987,0.075]
1/1 [=====] - 0s 92ms/step
>4917, dr[0.411,0.366], df[0.620,0.182], g[1.371,0.038]
1/1 [=====] - 0s 93ms/step
>4918, dr[0.532,0.497], df[0.701,0.168], g[1.502,0.075]
1/1 [=====] - 0s 92ms/step
>4919, dr[0.620,0.386], df[0.564,0.105], g[1.592,0.048]
1/1 [=====] - 0s 99ms/step
>4920, dr[0.693,0.553], df[0.497,0.241], g[1.318,0.127]
1/1 [=====] - 0s 92ms/step
>4921, dr[0.434,0.433], df[0.474,0.163], g[1.290,0.097]
1/1 [=====] - 0s 91ms/step
>4922, dr[0.610,0.485], df[0.517,0.055], g[1.226,0.082]
1/1 [=====] - 0s 104ms/step
>4923, dr[0.442,0.525], df[0.579,0.111], g[1.108,0.091]
1/1 [=====] - 0s 96ms/step
>4924, dr[0.471,0.829], df[0.731,0.054], g[1.304,0.079]
1/1 [=====] - 0s 92ms/step
>4925, dr[0.484,0.559], df[0.373,0.085], g[1.255,0.156]
1/1 [=====] - 0s 100ms/step
>4926, dr[0.557,0.514], df[0.484,0.138], g[1.182,0.127]
1/1 [=====] - 0s 92ms/step
>4927, dr[0.479,0.274], df[0.496,0.066], g[1.207,0.195]
1/1 [=====] - 0s 93ms/step
>4928, dr[0.475,0.318], df[0.595,0.058], g[1.276,0.106]
1/1 [=====] - 0s 104ms/step
>4929, dr[0.533,0.427], df[0.652,0.062], g[1.343,0.087]
1/1 [=====] - 0s 104ms/step
>4930, dr[0.830,0.576], df[0.650,0.059], g[1.173,0.100]
1/1 [=====] - 0s 175ms/step
>4931, dr[0.445,0.343], df[0.578,0.125], g[1.243,0.130]
1/1 [=====] - 0s 93ms/step
>4932, dr[0.605,0.634], df[0.448,0.077], g[1.270,0.127]
1/1 [=====] - 0s 108ms/step
>4933, dr[0.490,0.354], df[0.587,0.067], g[1.362,0.090]
1/1 [=====] - 0s 115ms/step
>4934, dr[0.500,0.650], df[0.754,0.131], g[1.283,0.120]
1/1 [=====] - 0s 108ms/step
>4935, dr[0.762,0.379], df[0.529,0.063], g[1.229,0.106]
1/1 [=====] - 0s 102ms/step
>4936, dr[0.818,0.774], df[0.562,0.268], g[1.235,0.058]
1/1 [=====] - 0s 105ms/step
>4937, dr[0.494,0.334], df[0.524,0.145], g[1.235,0.083]
1/1 [=====] - 0s 104ms/step
>4938, dr[0.481,0.610], df[0.746,0.103], g[1.156,0.104]
1/1 [=====] - 0s 99ms/step
>4939, dr[0.474,0.462], df[0.438,0.136], g[1.196,0.131]
1/1 [=====] - 0s 94ms/step
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>4940, dr[0.564,1.021], df[0.437,0.104], g[1.438,0.056]
1/1 [=====] - 0s 97ms/step
>4941, dr[0.576,0.466], df[0.637,0.267], g[1.176,0.126]
1/1 [=====] - 0s 92ms/step
>4942, dr[0.611,0.787], df[0.683,0.155], g[1.277,0.093]
1/1 [=====] - 0s 93ms/step
>4943, dr[0.457,0.532], df[0.519,0.095], g[1.276,0.095]
1/1 [=====] - 0s 104ms/step
>4944, dr[0.500,0.334], df[0.572,0.235], g[1.075,0.110]
1/1 [=====] - 0s 96ms/step
>4945, dr[0.616,1.142], df[0.568,0.128], g[1.239,0.093]
1/1 [=====] - 0s 92ms/step
>4946, dr[0.497,0.582], df[0.555,0.041], g[1.378,0.075]
1/1 [=====] - 0s 101ms/step
>4947, dr[0.556,0.314], df[0.678,0.093], g[1.203,0.095]
1/1 [=====] - 0s 98ms/step
>4948, dr[0.484,0.398], df[0.536,0.129], g[1.393,0.115]
1/1 [=====] - 0s 95ms/step
>4949, dr[0.369,0.453], df[0.473,0.160], g[1.470,0.084]
1/1 [=====] - 0s 98ms/step
>4950, dr[0.565,0.657], df[0.446,0.111], g[1.377,0.162]
1/1 [=====] - 0s 104ms/step
>4951, dr[0.674,0.196], df[0.494,0.180], g[1.173,0.049]
1/1 [=====] - 0s 95ms/step
>4952, dr[0.450,0.624], df[0.577,0.048], g[1.022,0.122]
1/1 [=====] - 0s 96ms/step
>4953, dr[0.485,0.453], df[0.688,0.167], g[1.270,0.125]
1/1 [=====] - 0s 101ms/step
>4954, dr[0.475,0.208], df[0.438,0.040], g[1.443,0.163]
1/1 [=====] - 0s 90ms/step
>4955, dr[0.649,0.245], df[0.520,0.039], g[1.144,0.164]
1/1 [=====] - 0s 95ms/step
>4956, dr[0.492,0.402], df[0.627,0.067], g[1.438,0.037]
1/1 [=====] - 0s 98ms/step
>4957, dr[0.540,0.601], df[0.511,0.036], g[1.474,0.104]
1/1 [=====] - 0s 96ms/step
>4958, dr[0.350,0.351], df[0.603,0.070], g[1.480,0.067]
1/1 [=====] - 0s 91ms/step
>4959, dr[0.643,0.634], df[0.427,0.046], g[1.387,0.098]
1/1 [=====] - 0s 98ms/step
>4960, dr[0.552,0.523], df[0.566,0.060], g[1.216,0.125]
1/1 [=====] - 0s 101ms/step
>4961, dr[0.602,0.543], df[0.502,0.037], g[1.339,0.111]
1/1 [=====] - 0s 94ms/step
>4962, dr[0.598,0.583], df[0.569,0.111], g[1.223,0.051]
1/1 [=====] - 0s 97ms/step
>4963, dr[0.396,0.211], df[0.429,0.095], g[1.166,0.110]
1/1 [=====] - 0s 98ms/step
>4964, dr[0.466,0.527], df[0.578,0.136], g[1.315,0.157]
1/1 [=====] - 0s 98ms/step
>4965, dr[0.609,0.936], df[0.590,0.148], g[1.419,0.149]
1/1 [=====] - 0s 95ms/step
>4966, dr[0.585,1.048], df[0.656,0.099], g[1.219,0.117]
1/1 [=====] - 0s 93ms/step
>4967, dr[0.459,0.434], df[0.705,0.099], g[1.401,0.140]
1/1 [=====] - 0s 94ms/step
>4968, dr[0.509,0.308], df[0.466,0.031], g[1.510,0.108]
1/1 [=====] - 0s 100ms/step
>4969, dr[0.638,0.653], df[0.460,0.115], g[1.183,0.130]
1/1 [=====] - 0s 91ms/step
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>4970, dr[0.564,0.334], df[0.589,0.063], g[1.298,0.045]
1/1 [=====] - 0s 93ms/step
>4971, dr[0.515,0.355], df[0.514,0.045], g[1.248,0.092]
1/1 [=====] - 0s 99ms/step
>4972, dr[0.414,0.396], df[0.473,0.075], g[1.162,0.107]
1/1 [=====] - 0s 97ms/step
>4973, dr[0.488,0.523], df[0.528,0.116], g[1.179,0.087]
1/1 [=====] - 0s 92ms/step
>4974, dr[0.513,0.444], df[0.447,0.043], g[1.076,0.147]
1/1 [=====] - 0s 94ms/step
>4975, dr[0.506,0.256], df[0.587,0.081], g[1.234,0.079]
1/1 [=====] - 0s 100ms/step
>4976, dr[0.432,0.481], df[0.576,0.110], g[1.472,0.099]
1/1 [=====] - 0s 98ms/step
>4977, dr[0.569,0.195], df[0.581,0.067], g[1.146,0.152]
1/1 [=====] - 0s 95ms/step
>4978, dr[0.611,0.351], df[0.384,0.027], g[1.381,0.125]
1/1 [=====] - 0s 91ms/step
>4979, dr[0.480,0.518], df[0.547,0.055], g[1.058,0.086]
1/1 [=====] - 0s 88ms/step
>4980, dr[0.625,0.570], df[0.697,0.032], g[1.206,0.073]
1/1 [=====] - 0s 92ms/step
>4981, dr[0.414,0.375], df[0.476,0.191], g[1.321,0.078]
1/1 [=====] - 0s 98ms/step
>4982, dr[0.611,0.452], df[0.740,0.077], g[1.303,0.094]
1/1 [=====] - 0s 96ms/step
>4983, dr[0.550,0.477], df[0.470,0.201], g[1.063,0.282]
1/1 [=====] - 0s 102ms/step
>4984, dr[0.539,0.243], df[0.716,0.080], g[1.440,0.070]
1/1 [=====] - 0s 94ms/step
>4985, dr[0.595,0.781], df[0.496,0.090], g[1.268,0.080]
1/1 [=====] - 0s 107ms/step
>4986, dr[0.539,0.818], df[0.653,0.203], g[1.368,0.063]
1/1 [=====] - 0s 94ms/step
>4987, dr[0.440,0.505], df[0.411,0.036], g[1.397,0.069]
1/1 [=====] - 0s 95ms/step
>4988, dr[0.605,0.592], df[0.424,0.063], g[1.228,0.099]
1/1 [=====] - 0s 104ms/step
>4989, dr[0.563,0.771], df[0.684,0.047], g[1.238,0.050]
1/1 [=====] - 0s 104ms/step
>4990, dr[0.368,0.312], df[0.546,0.114], g[1.385,0.051]
1/1 [=====] - 0s 95ms/step
>4991, dr[0.732,0.613], df[0.530,0.062], g[1.134,0.117]
1/1 [=====] - 0s 107ms/step
>4992, dr[0.490,0.679], df[0.556,0.105], g[1.347,0.127]
1/1 [=====] - 0s 109ms/step
>4993, dr[0.568,0.424], df[0.682,0.068], g[1.336,0.115]
1/1 [=====] - 0s 113ms/step
>4994, dr[0.541,0.326], df[0.550,0.075], g[1.255,0.120]
1/1 [=====] - 0s 114ms/step
>4995, dr[0.549,0.200], df[0.387,0.108], g[1.229,0.060]
1/1 [=====] - 0s 110ms/step
>4996, dr[0.519,0.458], df[0.653,0.163], g[1.148,0.136]
1/1 [=====] - 0s 115ms/step
>4997, dr[0.465,0.906], df[0.645,0.062], g[1.244,0.162]
1/1 [=====] - 0s 107ms/step
>4998, dr[0.406,0.212], df[0.536,0.187], g[1.404,0.103]
1/1 [=====] - 0s 106ms/step
>4999, dr[0.667,0.699], df[0.416,0.060], g[1.299,0.172]
1/1 [=====] - 0s 95ms/step
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>5000, dr[0.605,0.728], df[0.464,0.040], g[1.117,0.113]
1/1 [=====] - 0s 120ms/step
>5001, dr[0.518,0.455], df[0.644,0.065], g[1.069,0.198]
1/1 [=====] - 0s 134ms/step
>5002, dr[0.545,0.295], df[0.638,0.106], g[1.137,0.097]
1/1 [=====] - 0s 129ms/step
>5003, dr[0.450,0.526], df[0.479,0.066], g[1.164,0.116]
1/1 [=====] - 0s 123ms/step
>5004, dr[0.412,0.452], df[0.538,0.084], g[1.367,0.079]
1/1 [=====] - 0s 126ms/step
>5005, dr[0.787,0.545], df[0.571,0.069], g[1.328,0.063]
1/1 [=====] - 0s 99ms/step
>5006, dr[0.455,0.872], df[0.589,0.096], g[1.271,0.182]
1/1 [=====] - 0s 105ms/step
>5007, dr[0.549,0.440], df[0.539,0.123], g[1.312,0.192]
1/1 [=====] - 0s 108ms/step
>5008, dr[0.545,0.450], df[0.486,0.045], g[1.370,0.115]
1/1 [=====] - 0s 107ms/step
>5009, dr[0.528,0.367], df[0.652,0.136], g[1.372,0.059]
1/1 [=====] - 0s 102ms/step
>5010, dr[0.479,0.362], df[0.535,0.064], g[1.301,0.066]
1/1 [=====] - 0s 104ms/step
>5011, dr[0.611,0.831], df[0.478,0.125], g[1.263,0.098]
1/1 [=====] - 0s 117ms/step
>5012, dr[0.557,0.515], df[0.510,0.160], g[1.132,0.143]
1/1 [=====] - 0s 105ms/step
>5013, dr[0.431,0.816], df[0.496,0.058], g[1.112,0.201]
1/1 [=====] - 0s 106ms/step
>5014, dr[0.495,0.490], df[0.553,0.114], g[1.330,0.043]
1/1 [=====] - 0s 117ms/step
>5015, dr[0.435,0.758], df[0.691,0.135], g[1.291,0.170]
1/1 [=====] - 0s 103ms/step
>5016, dr[0.465,0.558], df[0.727,0.101], g[1.385,0.059]
1/1 [=====] - 0s 170ms/step
>5017, dr[0.671,0.536], df[0.370,0.207], g[1.483,0.033]
1/1 [=====] - 0s 128ms/step
>5018, dr[0.594,0.619], df[0.471,0.089], g[1.470,0.070]
1/1 [=====] - 0s 119ms/step
>5019, dr[0.629,0.836], df[0.660,0.053], g[1.177,0.078]
1/1 [=====] - 0s 114ms/step
>5020, dr[0.491,0.432], df[0.532,0.094], g[1.450,0.085]
1/1 [=====] - 0s 133ms/step
>5021, dr[0.571,0.754], df[0.526,0.062], g[1.380,0.071]
1/1 [=====] - 0s 106ms/step
>5022, dr[0.489,0.449], df[0.490,0.034], g[1.164,0.146]
1/1 [=====] - 0s 116ms/step
>5023, dr[0.507,0.488], df[0.410,0.140], g[1.367,0.087]
1/1 [=====] - 0s 121ms/step
>5024, dr[0.480,0.617], df[0.524,0.173], g[1.202,0.081]
1/1 [=====] - 0s 101ms/step
>5025, dr[0.557,0.500], df[0.577,0.128], g[1.194,0.104]
1/1 [=====] - 0s 102ms/step
>5026, dr[0.603,0.637], df[0.534,0.111], g[1.084,0.192]
1/1 [=====] - 0s 95ms/step
>5027, dr[0.453,0.675], df[0.542,0.124], g[1.099,0.190]
1/1 [=====] - 0s 99ms/step
>5028, dr[0.465,0.597], df[0.634,0.129], g[1.235,0.151]
1/1 [=====] - 0s 99ms/step
>5029, dr[0.505,0.634], df[0.498,0.169], g[1.409,0.069]
1/1 [=====] - 0s 105ms/step
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>5030, dr[0.552,0.444], df[0.461,0.139], g[1.261,0.066]
1/1 [=====] - 0s 99ms/step
>5031, dr[0.614,0.976], df[0.567,0.152], g[1.269,0.159]
1/1 [=====] - 0s 109ms/step
>5032, dr[0.455,0.446], df[0.587,0.073], g[1.190,0.129]
1/1 [=====] - 0s 101ms/step
>5033, dr[0.512,0.651], df[0.495,0.104], g[1.319,0.069]
1/1 [=====] - 0s 100ms/step
>5034, dr[0.477,0.486], df[0.594,0.088], g[1.266,0.187]
1/1 [=====] - 0s 99ms/step
>5035, dr[0.606,0.393], df[0.590,0.100], g[1.399,0.074]
1/1 [=====] - 0s 97ms/step
>5036, dr[0.536,0.371], df[0.408,0.050], g[1.252,0.114]
1/1 [=====] - 0s 99ms/step
>5037, dr[0.512,0.169], df[0.461,0.078], g[1.231,0.128]
1/1 [=====] - 0s 87ms/step
>5038, dr[0.483,0.242], df[0.751,0.126], g[1.206,0.090]
1/1 [=====] - 0s 90ms/step
>5039, dr[0.486,0.440], df[0.614,0.091], g[1.324,0.155]
1/1 [=====] - 0s 85ms/step
>5040, dr[0.530,0.551], df[0.444,0.111], g[1.217,0.136]
1/1 [=====] - 0s 89ms/step
>5041, dr[0.531,0.709], df[0.559,0.067], g[1.431,0.105]
1/1 [=====] - 0s 91ms/step
>5042, dr[0.525,0.413], df[0.547,0.119], g[1.195,0.115]
1/1 [=====] - 0s 94ms/step
>5043, dr[0.576,0.373], df[0.430,0.068], g[1.065,0.186]
1/1 [=====] - 0s 97ms/step
>5044, dr[0.613,0.283], df[0.695,0.194], g[1.221,0.071]
1/1 [=====] - 0s 94ms/step
>5045, dr[0.461,0.845], df[0.681,0.059], g[1.392,0.052]
1/1 [=====] - 0s 98ms/step
>5046, dr[0.679,0.639], df[0.433,0.159], g[1.286,0.096]
1/1 [=====] - 0s 101ms/step
>5047, dr[0.572,0.391], df[0.561,0.157], g[1.257,0.086]
1/1 [=====] - 0s 100ms/step
>5048, dr[0.451,0.661], df[0.650,0.104], g[1.393,0.132]
1/1 [=====] - 0s 90ms/step
>5049, dr[0.624,0.329], df[0.524,0.147], g[1.419,0.081]
1/1 [=====] - 0s 92ms/step
>5050, dr[0.544,0.279], df[0.559,0.228], g[1.278,0.158]
1/1 [=====] - 0s 89ms/step
>5051, dr[0.569,0.341], df[0.592,0.114], g[1.291,0.064]
1/1 [=====] - 0s 87ms/step
>5052, dr[0.508,0.699], df[0.537,0.143], g[1.309,0.040]
1/1 [=====] - 0s 87ms/step
>5053, dr[0.351,0.374], df[0.469,0.089], g[1.169,0.064]
1/1 [=====] - 0s 94ms/step
>5054, dr[0.705,0.662], df[0.474,0.039], g[1.312,0.087]
1/1 [=====] - 0s 98ms/step
>5055, dr[0.585,0.349], df[0.690,0.113], g[1.195,0.084]
1/1 [=====] - 0s 100ms/step
>5056, dr[0.667,0.404], df[0.554,0.104], g[1.264,0.170]
1/1 [=====] - 0s 97ms/step
>5057, dr[0.464,0.566], df[0.507,0.111], g[1.259,0.211]
1/1 [=====] - 0s 90ms/step
>5058, dr[0.633,0.397], df[0.519,0.033], g[1.081,0.121]
1/1 [=====] - 0s 88ms/step
>5059, dr[0.343,0.485], df[0.708,0.047], g[1.342,0.102]
1/1 [=====] - 0s 91ms/step
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>5060, dr[0.615,0.623], df[0.563,0.096], g[1.427,0.088]
1/1 [=====] - 0s 109ms/step
>5061, dr[0.699,0.255], df[0.625,0.145], g[1.470,0.064]
1/1 [=====] - 0s 107ms/step
>5062, dr[0.561,0.562], df[0.549,0.102], g[1.175,0.099]
1/1 [=====] - 0s 100ms/step
>5063, dr[0.572,1.034], df[0.812,0.083], g[1.183,0.149]
1/1 [=====] - 0s 97ms/step
>5064, dr[0.501,0.408], df[0.612,0.083], g[1.153,0.097]
1/1 [=====] - 0s 94ms/step
>5065, dr[0.512,0.499], df[0.520,0.187], g[1.389,0.087]
1/1 [=====] - 0s 114ms/step
>5066, dr[0.511,0.502], df[0.488,0.148], g[1.556,0.095]
1/1 [=====] - 0s 115ms/step
>5067, dr[0.613,0.557], df[0.417,0.196], g[1.402,0.088]
1/1 [=====] - 0s 113ms/step
>5068, dr[0.627,0.396], df[0.490,0.063], g[1.169,0.145]
1/1 [=====] - 0s 97ms/step
>5069, dr[0.476,0.517], df[0.640,0.150], g[1.307,0.138]
1/1 [=====] - 0s 94ms/step
>5070, dr[0.482,0.565], df[0.639,0.125], g[1.248,0.081]
1/1 [=====] - 0s 89ms/step
>5071, dr[0.500,0.635], df[0.475,0.072], g[1.207,0.142]
1/1 [=====] - 0s 88ms/step
>5072, dr[0.527,0.375], df[0.489,0.139], g[1.190,0.095]
1/1 [=====] - 0s 92ms/step
>5073, dr[0.475,0.486], df[0.601,0.141], g[1.274,0.112]
1/1 [=====] - 0s 85ms/step
>5074, dr[0.513,0.366], df[0.468,0.141], g[1.294,0.295]
1/1 [=====] - 0s 90ms/step
>5075, dr[0.716,0.446], df[0.439,0.147], g[1.105,0.140]
1/1 [=====] - 0s 88ms/step
>5076, dr[0.380,0.399], df[0.642,0.040], g[1.086,0.068]
1/1 [=====] - 0s 94ms/step
>5077, dr[0.488,0.749], df[0.415,0.053], g[1.060,0.070]
1/1 [=====] - 0s 86ms/step
>5078, dr[0.660,0.643], df[0.627,0.160], g[0.905,0.113]
1/1 [=====] - 0s 85ms/step
>5079, dr[0.422,0.474], df[0.634,0.081], g[1.199,0.159]
1/1 [=====] - 0s 92ms/step
>5080, dr[0.449,0.622], df[0.646,0.121], g[1.329,0.059]
1/1 [=====] - 0s 85ms/step
>5081, dr[0.684,0.714], df[0.524,0.047], g[1.234,0.049]
1/1 [=====] - 0s 89ms/step
>5082, dr[0.574,0.735], df[0.647,0.155], g[1.161,0.145]
1/1 [=====] - 0s 89ms/step
>5083, dr[0.518,0.808], df[0.623,0.092], g[1.214,0.082]
1/1 [=====] - 0s 88ms/step
>5084, dr[0.562,0.337], df[0.659,0.213], g[1.158,0.052]
1/1 [=====] - 0s 88ms/step
>5085, dr[0.698,0.438], df[0.678,0.069], g[1.278,0.161]
1/1 [=====] - 0s 89ms/step
>5086, dr[0.521,0.545], df[0.421,0.166], g[1.353,0.106]
1/1 [=====] - 0s 88ms/step
>5087, dr[0.514,0.510], df[0.661,0.126], g[1.277,0.088]
1/1 [=====] - 0s 94ms/step
>5088, dr[0.528,0.159], df[0.573,0.139], g[1.500,0.100]
1/1 [=====] - 0s 89ms/step
>5089, dr[0.741,0.711], df[0.479,0.054], g[1.432,0.082]
1/1 [=====] - 0s 87ms/step
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>5090, dr[0.628,0.483], df[0.553,0.050], g[1.242,0.099]
1/1 [=====] - 0s 97ms/step
>5091, dr[0.579,0.485], df[0.595,0.090], g[1.320,0.091]
1/1 [=====] - 0s 87ms/step
>5092, dr[0.499,0.598], df[0.553,0.087], g[1.210,0.124]
1/1 [=====] - 0s 87ms/step
>5093, dr[0.463,0.438], df[0.778,0.290], g[1.189,0.069]
1/1 [=====] - 0s 93ms/step
>5094, dr[0.631,0.551], df[0.448,0.114], g[1.365,0.099]
1/1 [=====] - 0s 83ms/step
>5095, dr[0.638,0.822], df[0.629,0.086], g[1.096,0.098]
1/1 [=====] - 0s 91ms/step
>5096, dr[0.728,0.693], df[0.559,0.075], g[1.120,0.142]
1/1 [=====] - 0s 93ms/step
>5097, dr[0.464,0.614], df[0.592,0.130], g[1.295,0.098]
1/1 [=====] - 0s 94ms/step
>5098, dr[0.382,0.532], df[0.503,0.065], g[1.385,0.174]
1/1 [=====] - 0s 97ms/step
>5099, dr[0.512,0.802], df[0.419,0.085], g[1.324,0.154]
1/1 [=====] - 0s 91ms/step
>5100, dr[0.553,0.492], df[0.528,0.047], g[1.230,0.118]
1/1 [=====] - 0s 88ms/step
>5101, dr[0.591,0.343], df[0.642,0.304], g[1.279,0.066]
1/1 [=====] - 0s 95ms/step
>5102, dr[0.431,0.556], df[0.509,0.071], g[1.318,0.050]
1/1 [=====] - 0s 86ms/step
>5103, dr[0.611,0.872], df[0.530,0.057], g[1.256,0.150]
1/1 [=====] - 0s 91ms/step
>5104, dr[0.489,0.232], df[0.522,0.039], g[1.228,0.106]
1/1 [=====] - 0s 99ms/step
>5105, dr[0.435,0.293], df[0.499,0.145], g[1.101,0.132]
1/1 [=====] - 0s 90ms/step
>5106, dr[0.532,0.638], df[0.626,0.121], g[1.355,0.117]
1/1 [=====] - 0s 88ms/step
>5107, dr[0.565,0.469], df[0.494,0.101], g[1.295,0.104]
1/1 [=====] - 0s 94ms/step
>5108, dr[0.506,0.596], df[0.445,0.041], g[1.335,0.066]
1/1 [=====] - 0s 92ms/step
>5109, dr[0.471,0.234], df[0.500,0.155], g[1.298,0.150]
1/1 [=====] - 0s 87ms/step
>5110, dr[0.472,0.119], df[0.545,0.103], g[1.461,0.102]
1/1 [=====] - 0s 86ms/step
>5111, dr[0.629,0.475], df[0.547,0.093], g[1.126,0.056]
1/1 [=====] - 0s 90ms/step
>5112, dr[0.440,0.528], df[0.616,0.096], g[1.329,0.154]
1/1 [=====] - 0s 92ms/step
>5113, dr[0.593,0.387], df[0.625,0.049], g[1.337,0.063]
1/1 [=====] - 0s 94ms/step
>5114, dr[0.591,0.767], df[0.480,0.120], g[1.260,0.052]
1/1 [=====] - 0s 85ms/step
>5115, dr[0.436,0.538], df[0.454,0.107], g[1.324,0.057]
1/1 [=====] - 0s 110ms/step
>5116, dr[0.486,0.659], df[0.600,0.067], g[1.311,0.112]
1/1 [=====] - 0s 91ms/step
>5117, dr[0.501,0.301], df[0.558,0.050], g[1.300,0.074]
1/1 [=====] - 0s 86ms/step
>5118, dr[0.573,0.455], df[0.467,0.078], g[1.397,0.168]
1/1 [=====] - 0s 86ms/step
>5119, dr[0.603,0.329], df[0.695,0.110], g[1.105,0.135]
1/1 [=====] - 0s 84ms/step
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>5120, dr[0.582,0.436], df[0.731,0.115], g[1.311,0.127]
1/1 [=====] - 0s 86ms/step
>5121, dr[0.693,0.517], df[0.530,0.126], g[1.266,0.059]
1/1 [=====] - 0s 95ms/step
>5122, dr[0.580,0.548], df[0.511,0.077], g[1.165,0.096]
1/1 [=====] - 0s 88ms/step
>5123, dr[0.562,0.730], df[0.596,0.222], g[1.443,0.139]
1/1 [=====] - 0s 91ms/step
>5124, dr[0.461,0.539], df[0.607,0.049], g[1.423,0.065]
1/1 [=====] - 0s 100ms/step
>5125, dr[0.773,0.759], df[0.594,0.109], g[1.246,0.183]
1/1 [=====] - 0s 87ms/step
>5126, dr[0.466,0.430], df[0.684,0.038], g[1.238,0.082]
1/1 [=====] - 0s 88ms/step
>5127, dr[0.500,0.447], df[0.463,0.070], g[1.313,0.160]
1/1 [=====] - 0s 92ms/step
>5128, dr[0.615,0.496], df[0.711,0.175], g[1.276,0.090]
1/1 [=====] - 0s 103ms/step
>5129, dr[0.470,0.869], df[0.626,0.115], g[1.428,0.108]
1/1 [=====] - 0s 99ms/step
>5130, dr[0.562,0.785], df[0.511,0.219], g[1.456,0.162]
1/1 [=====] - 0s 101ms/step
>5131, dr[0.510,0.637], df[0.526,0.083], g[1.269,0.093]
1/1 [=====] - 0s 95ms/step
>5132, dr[0.593,0.393], df[0.515,0.069], g[1.235,0.083]
1/1 [=====] - 0s 89ms/step
>5133, dr[0.525,0.609], df[0.421,0.096], g[1.210,0.077]
1/1 [=====] - 0s 97ms/step
>5134, dr[0.575,0.834], df[0.556,0.196], g[1.171,0.068]
1/1 [=====] - 0s 86ms/step
>5135, dr[0.438,0.476], df[0.550,0.084], g[1.169,0.133]
1/1 [=====] - 0s 86ms/step
>5136, dr[0.438,0.518], df[0.608,0.184], g[1.166,0.078]
1/1 [=====] - 0s 97ms/step
>5137, dr[0.519,0.263], df[0.605,0.202], g[1.256,0.060]
1/1 [=====] - 0s 87ms/step
>5138, dr[0.599,0.675], df[0.484,0.090], g[1.318,0.118]
1/1 [=====] - 0s 90ms/step
>5139, dr[0.591,0.673], df[0.658,0.091], g[1.475,0.135]
1/1 [=====] - 0s 89ms/step
>5140, dr[0.610,0.220], df[0.622,0.259], g[1.005,0.112]
1/1 [=====] - 0s 92ms/step
>5141, dr[0.543,0.413], df[0.482,0.095], g[1.318,0.098]
1/1 [=====] - 0s 86ms/step
>5142, dr[0.525,0.362], df[0.528,0.098], g[1.090,0.139]
1/1 [=====] - 0s 101ms/step
>5143, dr[0.455,0.287], df[0.552,0.087], g[1.182,0.102]
1/1 [=====] - 0s 87ms/step
>5144, dr[0.468,0.483], df[0.572,0.082], g[1.382,0.054]
1/1 [=====] - 0s 87ms/step
>5145, dr[0.660,0.558], df[0.522,0.190], g[1.263,0.134]
1/1 [=====] - 0s 94ms/step
>5146, dr[0.496,0.578], df[0.374,0.073], g[1.113,0.192]
1/1 [=====] - 0s 91ms/step
>5147, dr[0.517,0.796], df[0.483,0.125], g[1.060,0.162]
1/1 [=====] - 0s 86ms/step
>5148, dr[0.522,0.320], df[0.819,0.086], g[1.229,0.088]
1/1 [=====] - 0s 97ms/step
>5149, dr[0.691,0.514], df[0.655,0.046], g[1.353,0.105]
1/1 [=====] - 0s 89ms/step
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>5150, dr[0.523,0.549], df[0.539,0.056], g[1.281,0.074]
1/1 [=====] - 0s 97ms/step
>5151, dr[0.392,0.399], df[0.603,0.153], g[1.233,0.167]
1/1 [=====] - 0s 101ms/step
>5152, dr[0.634,0.374], df[0.531,0.031], g[1.372,0.113]
1/1 [=====] - 0s 91ms/step
>5153, dr[0.594,0.491], df[0.557,0.080], g[1.291,0.146]
1/1 [=====] - 0s 87ms/step
>5154, dr[0.504,0.349], df[0.711,0.110], g[1.351,0.072]
1/1 [=====] - 0s 89ms/step
>5155, dr[0.558,0.397], df[0.470,0.070], g[1.325,0.127]
1/1 [=====] - 0s 92ms/step
>5156, dr[0.488,0.731], df[0.549,0.111], g[1.312,0.102]
1/1 [=====] - 0s 90ms/step
>5157, dr[0.650,0.843], df[0.450,0.067], g[1.419,0.122]
1/1 [=====] - 0s 90ms/step
>5158, dr[0.688,0.307], df[0.749,0.074], g[1.346,0.167]
1/1 [=====] - 0s 91ms/step
>5159, dr[0.559,0.316], df[0.632,0.105], g[1.380,0.081]
1/1 [=====] - 0s 89ms/step
>5160, dr[0.553,0.656], df[0.506,0.097], g[1.172,0.125]
1/1 [=====] - 0s 88ms/step
>5161, dr[0.547,0.440], df[0.551,0.047], g[1.156,0.101]
1/1 [=====] - 0s 86ms/step
>5162, dr[0.577,0.464], df[0.571,0.033], g[1.134,0.061]
1/1 [=====] - 0s 96ms/step
>5163, dr[0.646,0.226], df[0.713,0.070], g[1.435,0.076]
1/1 [=====] - 0s 91ms/step
>5164, dr[0.491,0.469], df[0.559,0.060], g[1.311,0.080]
1/1 [=====] - 0s 87ms/step
>5165, dr[0.681,0.533], df[0.596,0.084], g[1.271,0.103]
1/1 [=====] - 0s 96ms/step
>5166, dr[0.514,0.609], df[0.596,0.085], g[1.295,0.047]
1/1 [=====] - 0s 88ms/step
>5167, dr[0.407,0.563], df[0.461,0.100], g[1.192,0.125]
1/1 [=====] - 0s 99ms/step
>5168, dr[0.490,0.537], df[0.743,0.077], g[1.432,0.051]
1/1 [=====] - 0s 112ms/step
>5169, dr[0.643,0.340], df[0.560,0.071], g[1.470,0.117]
1/1 [=====] - 0s 122ms/step
>5170, dr[0.604,0.394], df[0.466,0.074], g[1.291,0.110]
1/1 [=====] - 0s 123ms/step
>5171, dr[0.766,0.967], df[0.638,0.059], g[1.131,0.061]
1/1 [=====] - 0s 124ms/step
>5172, dr[0.548,0.669], df[0.739,0.060], g[1.206,0.200]
1/1 [=====] - 0s 103ms/step
>5173, dr[0.714,0.500], df[0.699,0.105], g[1.267,0.151]
1/1 [=====] - 0s 106ms/step
>5174, dr[0.411,0.140], df[0.577,0.039], g[1.306,0.090]
1/1 [=====] - 0s 107ms/step
>5175, dr[0.658,0.435], df[0.666,0.082], g[1.283,0.174]
1/1 [=====] - 0s 97ms/step
>5176, dr[0.481,0.456], df[0.476,0.071], g[1.216,0.087]
1/1 [=====] - 0s 97ms/step
>5177, dr[0.767,0.323], df[0.615,0.066], g[1.223,0.147]
1/1 [=====] - 0s 95ms/step
>5178, dr[0.466,0.576], df[0.706,0.154], g[1.242,0.112]
1/1 [=====] - 0s 110ms/step
>5179, dr[0.660,0.540], df[0.559,0.061], g[1.259,0.156]
1/1 [=====] - 0s 94ms/step
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>5180, dr[0.609,0.320], df[0.485,0.094], g[1.146,0.134]
1/1 [=====] - 0s 95ms/step
>5181, dr[0.571,0.660], df[0.610,0.050], g[1.142,0.109]
1/1 [=====] - 0s 108ms/step
>5182, dr[0.443,0.434], df[0.592,0.076], g[1.260,0.077]
1/1 [=====] - 0s 97ms/step
>5183, dr[0.541,0.635], df[0.580,0.211], g[1.369,0.087]
1/1 [=====] - 0s 98ms/step
>5184, dr[0.602,0.505], df[0.621,0.111], g[1.339,0.073]
1/1 [=====] - 0s 105ms/step
>5185, dr[0.616,1.243], df[0.506,0.119], g[1.293,0.113]
1/1 [=====] - 0s 103ms/step
>5186, dr[0.546,0.402], df[0.706,0.077], g[1.263,0.169]
1/1 [=====] - 0s 100ms/step
>5187, dr[0.439,0.831], df[0.585,0.065], g[1.494,0.110]
1/1 [=====] - 0s 100ms/step
>5188, dr[0.518,0.575], df[0.537,0.152], g[1.472,0.070]
1/1 [=====] - 0s 108ms/step
>5189, dr[0.675,0.371], df[0.484,0.201], g[1.295,0.126]
1/1 [=====] - 0s 98ms/step
>5190, dr[0.522,0.649], df[0.559,0.076], g[1.271,0.171]
1/1 [=====] - 0s 103ms/step
>5191, dr[0.725,0.751], df[0.494,0.265], g[1.358,0.114]
1/1 [=====] - 0s 101ms/step
>5192, dr[0.560,0.310], df[0.555,0.129], g[1.276,0.064]
1/1 [=====] - 0s 99ms/step
>5193, dr[0.646,0.413], df[0.579,0.170], g[1.209,0.075]
1/1 [=====] - 0s 94ms/step
>5194, dr[0.536,0.430], df[0.698,0.080], g[1.311,0.095]
1/1 [=====] - 0s 95ms/step
>5195, dr[0.475,0.532], df[0.540,0.084], g[1.375,0.135]
1/1 [=====] - 0s 102ms/step
>5196, dr[0.519,0.466], df[0.537,0.095], g[1.215,0.080]
1/1 [=====] - 0s 101ms/step
>5197, dr[0.646,0.349], df[0.549,0.100], g[1.165,0.083]
1/1 [=====] - 0s 93ms/step
>5198, dr[0.591,0.758], df[0.655,0.084], g[1.193,0.121]
1/1 [=====] - 0s 103ms/step
>5199, dr[0.579,0.767], df[0.530,0.091], g[1.159,0.126]
1/1 [=====] - 0s 105ms/step
>5200, dr[0.468,0.327], df[0.503,0.264], g[1.273,0.111]
1/1 [=====] - 0s 98ms/step
>5201, dr[0.462,0.524], df[0.504,0.051], g[1.264,0.105]
1/1 [=====] - 0s 99ms/step
>5202, dr[0.508,0.458], df[0.612,0.051], g[1.173,0.116]
1/1 [=====] - 0s 95ms/step
>5203, dr[0.502,0.440], df[0.541,0.054], g[1.348,0.055]
1/1 [=====] - 0s 91ms/step
>5204, dr[0.573,0.652], df[0.401,0.150], g[1.345,0.080]
1/1 [=====] - 0s 87ms/step
>5205, dr[0.487,0.408], df[0.675,0.071], g[1.205,0.113]
1/1 [=====] - 0s 154ms/step
>5206, dr[0.443,0.231], df[0.448,0.066], g[1.250,0.104]
1/1 [=====] - 0s 91ms/step
>5207, dr[0.704,0.692], df[0.549,0.096], g[1.226,0.123]
1/1 [=====] - 0s 87ms/step
>5208, dr[0.365,0.531], df[0.631,0.155], g[1.419,0.100]
1/1 [=====] - 0s 95ms/step
>5209, dr[0.613,0.523], df[0.629,0.094], g[1.271,0.130]
1/1 [=====] - 0s 87ms/step
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>5210, dr[0.677,0.733], df[0.510,0.036], g[1.185,0.070]
1/1 [=====] - 0s 90ms/step
>5211, dr[0.405,0.776], df[0.880,0.072], g[1.171,0.174]
1/1 [=====] - 0s 107ms/step
>5212, dr[0.681,0.717], df[0.506,0.147], g[1.120,0.087]
1/1 [=====] - 0s 92ms/step
>5213, dr[0.671,0.317], df[0.658,0.221], g[1.407,0.121]
1/1 [=====] - 0s 92ms/step
>5214, dr[0.433,0.410], df[0.508,0.056], g[1.417,0.169]
1/1 [=====] - 0s 97ms/step
>5215, dr[0.615,0.531], df[0.544,0.116], g[1.382,0.165]
1/1 [=====] - 0s 88ms/step
>5216, dr[0.649,0.721], df[0.505,0.206], g[1.336,0.068]
1/1 [=====] - 0s 87ms/step
>5217, dr[0.437,0.416], df[0.542,0.089], g[1.280,0.084]
1/1 [=====] - 0s 98ms/step
>5218, dr[0.449,0.460], df[0.485,0.052], g[1.142,0.118]
1/1 [=====] - 0s 94ms/step
>5219, dr[0.598,0.653], df[0.548,0.053], g[1.174,0.078]
1/1 [=====] - 0s 85ms/step
>5220, dr[0.483,0.792], df[0.569,0.075], g[1.262,0.099]
1/1 [=====] - 0s 102ms/step
>5221, dr[0.500,0.423], df[0.585,0.078], g[1.145,0.087]
1/1 [=====] - 0s 87ms/step
>5222, dr[0.612,0.316], df[0.542,0.060], g[1.411,0.126]
1/1 [=====] - 0s 87ms/step
>5223, dr[0.595,0.579], df[0.786,0.074], g[1.445,0.077]
1/1 [=====] - 0s 115ms/step
>5224, dr[0.599,0.366], df[0.466,0.031], g[1.301,0.152]
1/1 [=====] - 0s 96ms/step
>5225, dr[0.498,0.422], df[0.519,0.129], g[1.287,0.056]
1/1 [=====] - 0s 94ms/step
>5226, dr[0.584,0.684], df[0.604,0.101], g[1.220,0.154]
1/1 [=====] - 0s 100ms/step
>5227, dr[0.554,0.385], df[0.533,0.188], g[1.055,0.085]
1/1 [=====] - 0s 97ms/step
>5228, dr[0.565,0.682], df[0.541,0.077], g[1.130,0.046]
1/1 [=====] - 0s 95ms/step
>5229, dr[0.492,0.380], df[0.596,0.087], g[1.259,0.112]
1/1 [=====] - 0s 103ms/step
>5230, dr[0.578,0.586], df[0.552,0.111], g[1.126,0.081]
1/1 [=====] - 0s 99ms/step
>5231, dr[0.442,0.484], df[0.568,0.055], g[1.345,0.091]
1/1 [=====] - 0s 99ms/step
>5232, dr[0.544,0.437], df[0.511,0.080], g[1.344,0.073]
1/1 [=====] - 0s 93ms/step
>5233, dr[0.669,0.908], df[0.644,0.135], g[1.217,0.119]
1/1 [=====] - 0s 102ms/step
>5234, dr[0.402,0.405], df[0.455,0.072], g[1.258,0.083]
1/1 [=====] - 0s 96ms/step
>5235, dr[0.642,0.539], df[0.651,0.170], g[1.199,0.185]
1/1 [=====] - 0s 97ms/step
>5236, dr[0.781,0.417], df[0.588,0.186], g[1.101,0.107]
1/1 [=====] - 0s 114ms/step
>5237, dr[0.668,0.488], df[0.653,0.074], g[1.065,0.091]
1/1 [=====] - 0s 99ms/step
>5238, dr[0.511,0.443], df[0.710,0.137], g[1.225,0.093]
1/1 [=====] - 0s 101ms/step
>5239, dr[0.506,0.467], df[0.589,0.126], g[1.125,0.099]
1/1 [=====] - 0s 102ms/step
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>5240, dr[0.471,0.681], df[0.371,0.162], g[1.266,0.213]
1/1 [=====] - 0s 107ms/step
>5241, dr[0.523,0.591], df[0.509,0.049], g[1.255,0.076]
1/1 [=====] - 0s 100ms/step
>5242, dr[0.713,0.526], df[0.856,0.097], g[1.155,0.057]
1/1 [=====] - 0s 100ms/step
>5243, dr[0.520,0.352], df[0.673,0.255], g[1.363,0.073]
1/1 [=====] - 0s 105ms/step
>5244, dr[0.604,0.576], df[0.485,0.071], g[1.370,0.083]
1/1 [=====] - 0s 106ms/step
>5245, dr[0.484,0.332], df[0.451,0.037], g[1.292,0.092]
1/1 [=====] - 0s 102ms/step
>5246, dr[0.403,0.379], df[0.434,0.060], g[1.279,0.064]
1/1 [=====] - 0s 103ms/step
>5247, dr[0.556,0.328], df[0.674,0.180], g[1.248,0.069]
1/1 [=====] - 0s 107ms/step
>5248, dr[0.668,0.698], df[0.606,0.085], g[1.187,0.100]
1/1 [=====] - 0s 97ms/step
>5249, dr[0.422,0.508], df[0.514,0.068], g[1.332,0.055]
1/1 [=====] - 0s 103ms/step
>5250, dr[0.502,0.794], df[0.366,0.075], g[1.118,0.089]
1/1 [=====] - 0s 103ms/step
>5251, dr[0.661,0.515], df[0.538,0.066], g[1.134,0.062]
1/1 [=====] - 0s 101ms/step
>5252, dr[0.430,0.426], df[0.702,0.086], g[1.331,0.218]
1/1 [=====] - 0s 103ms/step
>5253, dr[0.539,0.365], df[0.612,0.126], g[1.244,0.083]
1/1 [=====] - 0s 101ms/step
>5254, dr[0.610,0.365], df[0.685,0.052], g[1.197,0.154]
1/1 [=====] - 0s 105ms/step
>5255, dr[0.497,0.487], df[0.572,0.054], g[1.413,0.080]
1/1 [=====] - 0s 96ms/step
>5256, dr[0.704,0.362], df[0.444,0.230], g[1.191,0.078]
1/1 [=====] - 0s 89ms/step
>5257, dr[0.585,0.332], df[0.693,0.135], g[1.056,0.077]
1/1 [=====] - 0s 109ms/step
>5258, dr[0.477,0.598], df[0.468,0.111], g[1.294,0.128]
1/1 [=====] - 0s 87ms/step
>5259, dr[0.629,0.372], df[0.412,0.066], g[1.229,0.122]
1/1 [=====] - 0s 91ms/step
>5260, dr[0.412,0.422], df[0.608,0.106], g[1.292,0.105]
1/1 [=====] - 0s 94ms/step
>5261, dr[0.644,0.375], df[0.643,0.107], g[1.220,0.208]
1/1 [=====] - 0s 88ms/step
>5262, dr[0.438,0.222], df[0.712,0.162], g[1.281,0.075]
1/1 [=====] - 0s 93ms/step
>5263, dr[0.711,0.482], df[0.678,0.147], g[1.510,0.085]
1/1 [=====] - 0s 97ms/step
>5264, dr[0.564,0.370], df[0.423,0.066], g[1.199,0.199]
1/1 [=====] - 0s 90ms/step
>5265, dr[0.545,0.348], df[0.538,0.029], g[1.093,0.126]
1/1 [=====] - 0s 88ms/step
>5266, dr[0.477,0.356], df[0.534,0.173], g[1.146,0.060]
1/1 [=====] - 0s 92ms/step
>5267, dr[0.426,0.332], df[0.520,0.162], g[1.312,0.099]
1/1 [=====] - 0s 97ms/step
>5268, dr[0.554,0.501], df[0.587,0.048], g[1.231,0.071]
1/1 [=====] - 0s 90ms/step
>5269, dr[0.545,0.367], df[0.551,0.168], g[1.199,0.075]
1/1 [=====] - 0s 90ms/step
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>5270, dr[0.515,0.366], df[0.592,0.232], g[1.129,0.089]
1/1 [=====] - 0s 90ms/step
>5271, dr[0.542,0.230], df[0.585,0.200], g[1.246,0.195]
1/1 [=====] - 0s 88ms/step
>5272, dr[0.632,0.391], df[0.697,0.080], g[1.298,0.070]
1/1 [=====] - 0s 92ms/step
>5273, dr[0.484,0.250], df[0.445,0.115], g[1.283,0.110]
1/1 [=====] - 0s 90ms/step
>5274, dr[0.780,0.647], df[0.543,0.134], g[1.147,0.134]
1/1 [=====] - 0s 90ms/step
>5275, dr[0.533,0.311], df[0.505,0.042], g[1.244,0.154]
1/1 [=====] - 0s 93ms/step
>5276, dr[0.430,0.535], df[0.625,0.223], g[1.294,0.095]
1/1 [=====] - 0s 99ms/step
>5277, dr[0.588,0.318], df[0.458,0.056], g[1.306,0.120]
1/1 [=====] - 0s 106ms/step
>5278, dr[0.455,0.480], df[0.586,0.165], g[1.458,0.085]
1/1 [=====] - 0s 104ms/step
>5279, dr[0.478,0.188], df[0.397,0.021], g[1.344,0.091]
1/1 [=====] - 0s 117ms/step
>5280, dr[0.547,0.545], df[0.443,0.117], g[1.211,0.061]
1/1 [=====] - 0s 97ms/step
>5281, dr[0.561,0.316], df[0.666,0.160], g[1.332,0.056]
1/1 [=====] - 0s 85ms/step
>5282, dr[0.776,0.504], df[0.568,0.048], g[1.322,0.091]
1/1 [=====] - 0s 121ms/step
>5283, dr[0.539,0.286], df[0.550,0.183], g[1.201,0.090]
1/1 [=====] - 0s 111ms/step
>5284, dr[0.532,0.525], df[0.687,0.072], g[1.231,0.135]
1/1 [=====] - 0s 101ms/step
>5285, dr[0.559,0.360], df[0.486,0.079], g[1.398,0.046]
1/1 [=====] - 0s 105ms/step
>5286, dr[0.555,0.660], df[0.590,0.097], g[1.204,0.116]
1/1 [=====] - 0s 90ms/step
>5287, dr[0.519,0.787], df[0.590,0.128], g[1.326,0.084]
1/1 [=====] - 0s 115ms/step
>5288, dr[0.578,0.591], df[0.609,0.081], g[1.391,0.077]
1/1 [=====] - 0s 116ms/step
>5289, dr[0.599,0.270], df[0.552,0.086], g[1.124,0.076]
1/1 [=====] - 0s 89ms/step
>5290, dr[0.664,0.781], df[0.623,0.064], g[1.212,0.149]
1/1 [=====] - 0s 95ms/step
>5291, dr[0.582,0.812], df[0.578,0.149], g[1.245,0.093]
1/1 [=====] - 0s 92ms/step
>5292, dr[0.456,0.574], df[0.796,0.056], g[1.268,0.153]
1/1 [=====] - 0s 87ms/step
>5293, dr[0.531,0.833], df[0.385,0.131], g[1.074,0.099]
1/1 [=====] - 0s 104ms/step
>5294, dr[0.448,0.435], df[0.627,0.220], g[1.301,0.090]
1/1 [=====] - 0s 95ms/step
>5295, dr[0.664,0.355], df[0.466,0.075], g[1.380,0.098]
1/1 [=====] - 0s 88ms/step
>5296, dr[0.474,0.556], df[0.535,0.050], g[1.175,0.065]
1/1 [=====] - 0s 100ms/step
>5297, dr[0.557,0.472], df[0.567,0.026], g[1.505,0.051]
1/1 [=====] - 0s 92ms/step
>5298, dr[0.478,0.365], df[0.577,0.084], g[1.270,0.094]
1/1 [=====] - 0s 89ms/step
>5299, dr[0.555,0.367], df[0.531,0.192], g[1.255,0.105]
1/1 [=====] - 0s 94ms/step
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>5300, dr[0.587,0.325], df[0.561,0.115], g[1.327,0.080]
1/1 [=====] - 0s 92ms/step
>5301, dr[0.632,0.775], df[0.562,0.129], g[1.165,0.155]
1/1 [=====] - 0s 87ms/step
>5302, dr[0.528,0.409], df[0.574,0.104], g[1.238,0.159]
1/1 [=====] - 0s 93ms/step
>5303, dr[0.610,0.367], df[0.686,0.096], g[1.341,0.102]
1/1 [=====] - 0s 88ms/step
>5304, dr[0.534,0.322], df[0.687,0.114], g[1.273,0.120]
1/1 [=====] - 0s 91ms/step
>5305, dr[0.670,0.542], df[0.483,0.096], g[1.132,0.050]
1/1 [=====] - 0s 94ms/step
>5306, dr[0.656,0.434], df[0.456,0.041], g[1.142,0.100]
1/1 [=====] - 0s 92ms/step
>5307, dr[0.339,0.719], df[0.706,0.110], g[1.372,0.094]
1/1 [=====] - 0s 88ms/step
>5308, dr[0.678,0.530], df[0.666,0.087], g[1.229,0.092]
1/1 [=====] - 0s 101ms/step
>5309, dr[0.475,0.603], df[0.492,0.080], g[1.424,0.103]
1/1 [=====] - 0s 93ms/step
>5310, dr[0.561,0.784], df[0.557,0.080], g[1.447,0.062]
1/1 [=====] - 0s 88ms/step
>5311, dr[0.718,1.012], df[0.563,0.044], g[1.075,0.060]
1/1 [=====] - 0s 105ms/step
>5312, dr[0.481,0.422], df[0.472,0.038], g[1.292,0.100]
1/1 [=====] - 0s 90ms/step
>5313, dr[0.488,0.608], df[0.494,0.068], g[1.155,0.044]
1/1 [=====] - 0s 87ms/step
>5314, dr[0.444,0.221], df[0.745,0.084], g[1.354,0.096]
1/1 [=====] - 0s 92ms/step
>5315, dr[0.491,0.654], df[0.495,0.098], g[1.389,0.101]
1/1 [=====] - 0s 106ms/step
>5316, dr[0.603,0.501], df[0.538,0.140], g[1.383,0.107]
1/1 [=====] - 0s 87ms/step
>5317, dr[0.679,0.597], df[0.545,0.125], g[1.229,0.077]
1/1 [=====] - 0s 97ms/step
>5318, dr[0.545,0.579], df[0.488,0.058], g[1.207,0.129]
1/1 [=====] - 0s 87ms/step
>5319, dr[0.518,0.339], df[0.651,0.107], g[1.275,0.140]
1/1 [=====] - 0s 87ms/step
>5320, dr[0.516,0.639], df[0.592,0.087], g[1.412,0.101]
1/1 [=====] - 0s 103ms/step
>5321, dr[0.475,0.329], df[0.508,0.061], g[1.251,0.073]
1/1 [=====] - 0s 87ms/step
>5322, dr[0.706,0.336], df[0.531,0.164], g[1.324,0.123]
1/1 [=====] - 0s 87ms/step
>5323, dr[0.761,0.467], df[0.675,0.054], g[1.055,0.048]
1/1 [=====] - 0s 99ms/step
>5324, dr[0.368,0.267], df[0.748,0.111], g[1.247,0.093]
1/1 [=====] - 0s 95ms/step
>5325, dr[0.555,0.517], df[0.605,0.085], g[1.228,0.197]
1/1 [=====] - 0s 87ms/step
>5326, dr[0.724,0.425], df[0.484,0.131], g[1.043,0.090]
1/1 [=====] - 0s 94ms/step
>5327, dr[0.545,0.482], df[0.545,0.072], g[0.987,0.148]
1/1 [=====] - 0s 87ms/step
>5328, dr[0.447,0.705], df[0.671,0.094], g[1.157,0.065]
1/1 [=====] - 0s 89ms/step
>5329, dr[0.524,0.290], df[0.487,0.041], g[1.298,0.121]
1/1 [=====] - 0s 93ms/step
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>5330, dr[0.410,0.632], df[0.613,0.053], g[1.259,0.059]
1/1 [=====] - 0s 89ms/step
>5331, dr[0.541,0.438], df[0.404,0.034], g[1.114,0.111]
1/1 [=====] - 0s 94ms/step
>5332, dr[0.528,0.508], df[0.634,0.120], g[1.312,0.065]
1/1 [=====] - 0s 95ms/step
>5333, dr[0.493,0.650], df[0.633,0.103], g[1.188,0.187]
1/1 [=====] - 0s 89ms/step
>5334, dr[0.503,0.517], df[0.561,0.093], g[1.413,0.070]
1/1 [=====] - 0s 90ms/step
>5335, dr[0.638,0.187], df[0.453,0.036], g[1.403,0.126]
1/1 [=====] - 0s 98ms/step
>5336, dr[0.693,0.462], df[0.529,0.056], g[1.117,0.092]
1/1 [=====] - 0s 89ms/step
>5337, dr[0.545,0.794], df[0.585,0.099], g[1.174,0.122]
1/1 [=====] - 0s 90ms/step
>5338, dr[0.362,0.134], df[0.518,0.085], g[1.077,0.108]
1/1 [=====] - 0s 101ms/step
>5339, dr[0.444,0.502], df[0.595,0.324], g[1.186,0.077]
1/1 [=====] - 0s 95ms/step
>5340, dr[0.477,0.280], df[0.533,0.123], g[1.414,0.113]
1/1 [=====] - 0s 86ms/step
>5341, dr[0.592,0.442], df[0.395,0.061], g[1.267,0.118]
1/1 [=====] - 0s 95ms/step
>5342, dr[0.404,0.671], df[0.538,0.276], g[1.065,0.085]
1/1 [=====] - 0s 88ms/step
>5343, dr[0.492,0.585], df[0.706,0.077], g[1.322,0.143]
1/1 [=====] - 0s 87ms/step
>5344, dr[0.535,0.582], df[0.516,0.027], g[1.222,0.132]
1/1 [=====] - 0s 101ms/step
>5345, dr[0.697,0.580], df[0.562,0.137], g[1.251,0.095]
1/1 [=====] - 0s 89ms/step
>5346, dr[0.573,0.718], df[0.503,0.060], g[1.252,0.064]
1/1 [=====] - 0s 95ms/step
>5347, dr[0.392,0.620], df[0.707,0.066], g[1.208,0.106]
1/1 [=====] - 0s 102ms/step
>5348, dr[0.469,0.433], df[0.512,0.069], g[1.220,0.096]
1/1 [=====] - 0s 88ms/step
>5349, dr[0.476,0.230], df[0.581,0.053], g[1.489,0.083]
1/1 [=====] - 0s 93ms/step
>5350, dr[0.597,0.627], df[0.495,0.051], g[1.176,0.083]
1/1 [=====] - 0s 95ms/step
>5351, dr[0.528,0.524], df[0.496,0.068], g[1.281,0.083]
1/1 [=====] - 0s 91ms/step
>5352, dr[0.629,0.579], df[0.469,0.103], g[1.163,0.094]
1/1 [=====] - 0s 94ms/step
>5353, dr[0.335,0.469], df[0.541,0.049], g[1.292,0.055]
1/1 [=====] - 0s 94ms/step
>5354, dr[0.554,0.371], df[0.443,0.108], g[1.232,0.147]
1/1 [=====] - 0s 89ms/step
>5355, dr[0.592,0.424], df[0.508,0.060], g[1.256,0.102]
1/1 [=====] - 0s 98ms/step
>5356, dr[0.423,0.435], df[0.439,0.059], g[1.149,0.101]
1/1 [=====] - 0s 98ms/step
>5357, dr[0.590,0.583], df[0.584,0.043], g[1.132,0.144]
1/1 [=====] - 0s 90ms/step
>5358, dr[0.661,0.607], df[0.510,0.070], g[1.080,0.142]
1/1 [=====] - 0s 93ms/step
>5359, dr[0.704,0.657], df[0.600,0.052], g[1.032,0.060]
1/1 [=====] - 0s 94ms/step
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>5360, dr[0.443,0.611], df[0.525,0.194], g[1.116,0.098]
1/1 [=====] - 0s 94ms/step
>5361, dr[0.388,0.325], df[0.699,0.131], g[1.254,0.055]
1/1 [=====] - 0s 101ms/step
>5362, dr[0.501,0.454], df[0.397,0.111], g[1.401,0.105]
1/1 [=====] - 0s 117ms/step
>5363, dr[0.622,0.388], df[0.613,0.188], g[1.247,0.163]
1/1 [=====] - 0s 92ms/step
>5364, dr[0.598,0.454], df[0.637,0.093], g[1.247,0.080]
1/1 [=====] - 0s 89ms/step
>5365, dr[0.598,0.651], df[0.688,0.083], g[1.337,0.030]
1/1 [=====] - 0s 106ms/step
>5366, dr[0.627,0.794], df[0.485,0.293], g[1.351,0.065]
1/1 [=====] - 0s 89ms/step
>5367, dr[0.590,0.261], df[0.630,0.023], g[1.212,0.112]
1/1 [=====] - 0s 96ms/step
>5368, dr[0.595,1.342], df[0.522,0.034], g[1.230,0.067]
1/1 [=====] - 0s 108ms/step
>5369, dr[0.629,0.711], df[0.525,0.078], g[1.179,0.099]
1/1 [=====] - 0s 103ms/step
>5370, dr[0.485,0.266], df[0.664,0.101], g[1.003,0.102]
1/1 [=====] - 0s 96ms/step
>5371, dr[0.548,0.286], df[0.503,0.080], g[1.205,0.084]
1/1 [=====] - 0s 90ms/step
>5372, dr[0.401,0.461], df[0.749,0.053], g[1.269,0.082]
1/1 [=====] - 0s 91ms/step
>5373, dr[0.592,0.587], df[0.481,0.083], g[1.449,0.067]
1/1 [=====] - 0s 92ms/step
>5374, dr[0.634,0.804], df[0.587,0.063], g[1.225,0.133]
1/1 [=====] - 0s 92ms/step
>5375, dr[0.619,0.313], df[0.636,0.142], g[1.217,0.054]
1/1 [=====] - 0s 90ms/step
>5376, dr[0.587,0.546], df[0.617,0.084], g[1.415,0.084]
1/1 [=====] - 0s 95ms/step
>5377, dr[0.492,0.930], df[0.450,0.040], g[1.275,0.137]
1/1 [=====] - 0s 91ms/step
>5378, dr[0.546,0.268], df[0.528,0.031], g[1.425,0.058]
1/1 [=====] - 0s 107ms/step
>5379, dr[0.457,0.298], df[0.567,0.118], g[1.120,0.092]
1/1 [=====] - 0s 102ms/step
>5380, dr[0.487,0.537], df[0.529,0.079], g[1.438,0.127]
1/1 [=====] - 0s 102ms/step
>5381, dr[0.743,0.754], df[0.750,0.129], g[1.359,0.051]
1/1 [=====] - 0s 123ms/step
>5382, dr[0.612,0.859], df[0.549,0.240], g[1.137,0.163]
1/1 [=====] - 0s 93ms/step
>5383, dr[0.482,0.458], df[0.561,0.168], g[1.175,0.089]
1/1 [=====] - 0s 99ms/step
>5384, dr[0.506,0.823], df[0.671,0.102], g[1.493,0.090]
1/1 [=====] - 0s 93ms/step
>5385, dr[0.432,0.538], df[0.553,0.131], g[1.173,0.068]
1/1 [=====] - 0s 105ms/step
>5386, dr[0.718,0.450], df[0.600,0.091], g[1.283,0.139]
1/1 [=====] - 0s 113ms/step
>5387, dr[0.552,0.595], df[0.563,0.151], g[1.107,0.098]
1/1 [=====] - 0s 140ms/step
>5388, dr[0.533,0.537], df[0.643,0.130], g[1.238,0.118]
1/1 [=====] - 0s 125ms/step
>5389, dr[0.611,0.630], df[0.579,0.032], g[1.279,0.066]
1/1 [=====] - 0s 129ms/step
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>5390, dr[0.475,0.522], df[0.338,0.060], g[1.088,0.150]
1/1 [=====] - 0s 125ms/step
>5391, dr[0.608,0.402], df[0.562,0.060], g[1.088,0.092]
1/1 [=====] - 0s 121ms/step
>5392, dr[0.524,0.435], df[0.706,0.217], g[1.191,0.125]
1/1 [=====] - 0s 119ms/step
>5393, dr[0.499,0.309], df[0.517,0.082], g[1.364,0.061]
1/1 [=====] - 0s 121ms/step
>5394, dr[0.518,0.291], df[0.717,0.279], g[1.385,0.085]
1/1 [=====] - 0s 123ms/step
>5395, dr[0.612,0.505], df[0.542,0.185], g[1.176,0.054]
1/1 [=====] - 0s 121ms/step
>5396, dr[0.724,0.293], df[0.485,0.072], g[1.029,0.095]
1/1 [=====] - 0s 104ms/step
>5397, dr[0.416,0.661], df[0.612,0.041], g[1.264,0.126]
1/1 [=====] - 0s 100ms/step
>5398, dr[0.566,0.662], df[0.624,0.075], g[1.416,0.095]
1/1 [=====] - 0s 106ms/step
>5399, dr[0.534,0.760], df[0.501,0.096], g[1.206,0.123]
1/1 [=====] - 0s 119ms/step
>5400, dr[0.458,0.287], df[0.510,0.141], g[1.313,0.074]
1/1 [=====] - 0s 116ms/step
>5401, dr[0.489,0.374], df[0.618,0.153], g[1.452,0.072]
1/1 [=====] - 0s 102ms/step
>5402, dr[0.724,0.320], df[0.417,0.083], g[1.322,0.062]
1/1 [=====] - 0s 107ms/step
>5403, dr[0.573,0.477], df[0.579,0.178], g[1.128,0.128]
1/1 [=====] - 0s 115ms/step
>5404, dr[0.476,0.571], df[0.656,0.141], g[1.141,0.086]
1/1 [=====] - 0s 103ms/step
>5405, dr[0.619,0.396], df[0.656,0.081], g[1.378,0.065]
1/1 [=====] - 0s 107ms/step
>5406, dr[0.631,0.467], df[0.756,0.056], g[1.289,0.095]
1/1 [=====] - 0s 122ms/step
>5407, dr[0.760,0.691], df[0.638,0.140], g[1.414,0.071]
1/1 [=====] - 0s 119ms/step
>5408, dr[0.614,0.622], df[0.729,0.177], g[1.205,0.054]
1/1 [=====] - 0s 96ms/step
>5409, dr[0.419,0.324], df[0.533,0.084], g[1.301,0.087]
1/1 [=====] - 0s 110ms/step
>5410, dr[0.592,0.425], df[0.566,0.061], g[1.336,0.166]
1/1 [=====] - 0s 102ms/step
>5411, dr[0.725,0.371], df[0.450,0.138], g[1.230,0.155]
1/1 [=====] - 0s 104ms/step
>5412, dr[0.488,0.783], df[0.575,0.114], g[1.110,0.065]
1/1 [=====] - 0s 98ms/step
>5413, dr[0.535,0.703], df[0.693,0.175], g[1.121,0.168]
1/1 [=====] - 0s 100ms/step
>5414, dr[0.722,0.313], df[0.648,0.104], g[1.291,0.105]
1/1 [=====] - 0s 119ms/step
>5415, dr[0.600,0.651], df[0.644,0.083], g[1.223,0.157]
1/1 [=====] - 0s 101ms/step
>5416, dr[0.482,0.234], df[0.573,0.064], g[1.240,0.051]
1/1 [=====] - 0s 95ms/step
>5417, dr[0.593,0.393], df[0.642,0.074], g[1.297,0.105]
1/1 [=====] - 0s 112ms/step
>5418, dr[0.647,0.665], df[0.681,0.135], g[1.190,0.097]
1/1 [=====] - 0s 126ms/step
>5419, dr[0.540,0.401], df[0.508,0.217], g[1.269,0.058]
1/1 [=====] - 0s 97ms/step
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>5420, dr[0.522,0.544], df[0.510,0.050], g[1.285,0.061]
1/1 [=====] - 0s 95ms/step
>5421, dr[0.719,0.824], df[0.564,0.078], g[1.151,0.145]
1/1 [=====] - 0s 99ms/step
>5422, dr[0.438,0.442], df[0.622,0.199], g[1.235,0.062]
1/1 [=====] - 0s 92ms/step
>5423, dr[0.547,0.477], df[0.614,0.206], g[1.297,0.144]
1/1 [=====] - 0s 95ms/step
>5424, dr[0.546,1.053], df[0.600,0.111], g[1.285,0.046]
1/1 [=====] - 0s 90ms/step
>5425, dr[0.499,0.349], df[0.597,0.055], g[1.236,0.084]
1/1 [=====] - 0s 121ms/step
>5426, dr[0.621,0.814], df[0.530,0.049], g[1.248,0.146]
1/1 [=====] - 0s 116ms/step
>5427, dr[0.537,0.492], df[0.620,0.105], g[1.321,0.091]
1/1 [=====] - 0s 108ms/step
>5428, dr[0.519,0.285], df[0.579,0.086], g[1.167,0.061]
1/1 [=====] - 0s 109ms/step
>5429, dr[0.679,0.434], df[0.494,0.051], g[1.266,0.106]
1/1 [=====] - 0s 109ms/step
>5430, dr[0.419,0.655], df[0.589,0.053], g[1.235,0.056]
1/1 [=====] - 0s 114ms/step
>5431, dr[0.495,0.537], df[0.479,0.099], g[1.324,0.090]
1/1 [=====] - 0s 114ms/step
>5432, dr[0.653,0.182], df[0.583,0.103], g[1.210,0.100]
1/1 [=====] - 0s 139ms/step
>5433, dr[0.499,0.606], df[0.577,0.131], g[1.158,0.077]
1/1 [=====] - 0s 91ms/step
>5434, dr[0.465,0.337], df[0.561,0.055], g[1.173,0.083]
1/1 [=====] - 0s 95ms/step
>5435, dr[0.588,0.618], df[0.696,0.109], g[1.340,0.144]
1/1 [=====] - 0s 97ms/step
>5436, dr[0.507,0.386], df[0.537,0.166], g[1.200,0.113]
1/1 [=====] - 0s 91ms/step
>5437, dr[0.501,0.594], df[0.514,0.121], g[1.330,0.106]
1/1 [=====] - 0s 125ms/step
>5438, dr[0.623,0.661], df[0.655,0.075], g[1.259,0.176]
1/1 [=====] - 0s 111ms/step
>5439, dr[0.597,0.352], df[0.465,0.076], g[1.203,0.134]
1/1 [=====] - 0s 130ms/step
>5440, dr[0.515,0.302], df[0.415,0.148], g[1.290,0.109]
1/1 [=====] - 0s 111ms/step
>5441, dr[0.580,0.268], df[0.631,0.085], g[1.081,0.106]
1/1 [=====] - 0s 132ms/step
>5442, dr[0.710,0.576], df[0.745,0.085], g[1.096,0.104]
1/1 [=====] - 0s 118ms/step
>5443, dr[0.517,0.580], df[0.718,0.104], g[1.290,0.091]
1/1 [=====] - 0s 107ms/step
>5444, dr[0.571,0.457], df[0.490,0.145], g[1.191,0.071]
1/1 [=====] - 0s 101ms/step
>5445, dr[0.529,0.537], df[0.733,0.122], g[1.272,0.052]
1/1 [=====] - 0s 91ms/step
>5446, dr[0.755,0.422], df[0.534,0.153], g[1.264,0.054]
1/1 [=====] - 0s 99ms/step
>5447, dr[0.495,0.342], df[0.451,0.079], g[1.130,0.146]
1/1 [=====] - 0s 94ms/step
>5448, dr[0.546,0.500], df[0.616,0.089], g[1.150,0.084]
1/1 [=====] - 0s 104ms/step
>5449, dr[0.416,0.620], df[0.464,0.055], g[1.374,0.255]
1/1 [=====] - 0s 104ms/step
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>5450, dr[0.736,0.330], df[0.501,0.057], g[1.116,0.100]
1/1 [=====] - 0s 100ms/step
>5451, dr[0.638,0.458], df[0.701,0.315], g[1.228,0.078]
1/1 [=====] - 0s 92ms/step
>5452, dr[0.411,0.571], df[0.815,0.148], g[1.198,0.103]
1/1 [=====] - 0s 100ms/step
>5453, dr[0.546,0.670], df[0.435,0.133], g[1.142,0.129]
1/1 [=====] - 0s 96ms/step
>5454, dr[0.534,0.377], df[0.385,0.125], g[1.316,0.114]
1/1 [=====] - 0s 90ms/step
>5455, dr[0.505,0.502], df[0.641,0.165], g[1.176,0.086]
1/1 [=====] - 0s 109ms/step
>5456, dr[0.524,0.552], df[0.635,0.043], g[1.230,0.103]
1/1 [=====] - 0s 104ms/step
>5457, dr[0.524,0.356], df[0.565,0.060], g[1.350,0.119]
1/1 [=====] - 0s 92ms/step
>5458, dr[0.573,0.868], df[0.557,0.084], g[1.441,0.104]
1/1 [=====] - 0s 102ms/step
>5459, dr[0.657,0.470], df[0.623,0.270], g[1.279,0.095]
1/1 [=====] - 0s 94ms/step
>5460, dr[0.479,0.867], df[0.623,0.126], g[1.235,0.098]
1/1 [=====] - 0s 91ms/step
>5461, dr[0.507,0.343], df[0.442,0.097], g[1.214,0.139]
1/1 [=====] - 0s 100ms/step
>5462, dr[0.632,0.539], df[0.684,0.302], g[1.208,0.088]
1/1 [=====] - 0s 89ms/step
>5463, dr[0.601,0.517], df[0.493,0.048], g[1.329,0.132]
1/1 [=====] - 0s 95ms/step
>5464, dr[0.672,0.580], df[0.589,0.178], g[1.140,0.087]
1/1 [=====] - 0s 103ms/step
>5465, dr[0.564,0.472], df[0.706,0.084], g[1.052,0.164]
1/1 [=====] - 0s 105ms/step
>5466, dr[0.585,0.896], df[0.481,0.117], g[1.344,0.073]
1/1 [=====] - 0s 101ms/step
>5467, dr[0.549,0.584], df[0.644,0.064], g[1.387,0.065]
1/1 [=====] - 0s 100ms/step
>5468, dr[0.488,0.625], df[0.435,0.034], g[1.135,0.140]
1/1 [=====] - 0s 106ms/step
>5469, dr[0.571,0.164], df[0.486,0.027], g[1.131,0.049]
1/1 [=====] - 0s 90ms/step
>5470, dr[0.425,0.315], df[0.495,0.088], g[1.082,0.209]
1/1 [=====] - 0s 92ms/step
>5471, dr[0.467,0.472], df[0.688,0.103], g[1.178,0.119]
1/1 [=====] - 0s 101ms/step
>5472, dr[0.703,0.356], df[0.573,0.166], g[1.289,0.143]
1/1 [=====] - 0s 91ms/step
>5473, dr[0.441,0.771], df[0.608,0.111], g[1.258,0.054]
1/1 [=====] - 0s 115ms/step
>5474, dr[0.655,0.419], df[0.525,0.108], g[1.393,0.052]
1/1 [=====] - 0s 106ms/step
>5475, dr[0.469,0.339], df[0.474,0.039], g[1.137,0.084]
1/1 [=====] - 0s 98ms/step
>5476, dr[0.598,0.487], df[0.622,0.138], g[1.116,0.179]
1/1 [=====] - 0s 92ms/step
>5477, dr[0.555,0.622], df[0.616,0.117], g[1.127,0.099]
1/1 [=====] - 0s 92ms/step
>5478, dr[0.633,0.583], df[0.818,0.089], g[1.076,0.105]
1/1 [=====] - 0s 97ms/step
>5479, dr[0.569,0.431], df[0.655,0.134], g[1.330,0.170]
1/1 [=====] - 0s 88ms/step
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>5480, dr[0.618,0.411], df[0.534,0.128], g[1.266,0.121]
1/1 [=====] - 0s 91ms/step
>5481, dr[0.644,0.639], df[0.615,0.151], g[1.134,0.117]
1/1 [=====] - 0s 98ms/step
>5482, dr[0.601,0.610], df[0.509,0.252], g[1.282,0.099]
1/1 [=====] - 0s 91ms/step
>5483, dr[0.577,0.401], df[0.597,0.121], g[1.331,0.082]
1/1 [=====] - 0s 91ms/step
>5484, dr[0.572,0.267], df[0.546,0.154], g[1.232,0.086]
1/1 [=====] - 0s 97ms/step
>5485, dr[0.503,0.408], df[0.567,0.099], g[1.113,0.095]
1/1 [=====] - 0s 92ms/step
>5486, dr[0.541,0.364], df[0.581,0.097], g[1.328,0.108]
1/1 [=====] - 0s 112ms/step
>5487, dr[0.699,0.593], df[0.666,0.063], g[1.092,0.077]
1/1 [=====] - 0s 118ms/step
>5488, dr[0.510,0.606], df[0.525,0.108], g[1.196,0.075]
1/1 [=====] - 0s 97ms/step
>5489, dr[0.589,0.163], df[0.658,0.043], g[1.359,0.060]
1/1 [=====] - 0s 97ms/step
>5490, dr[0.698,0.268], df[0.534,0.070], g[1.022,0.096]
1/1 [=====] - 0s 114ms/step
>5491, dr[0.494,0.651], df[0.441,0.081], g[1.205,0.035]
1/1 [=====] - 0s 108ms/step
>5492, dr[0.505,0.297], df[0.604,0.126], g[1.158,0.060]
1/1 [=====] - 0s 93ms/step
>5493, dr[0.479,0.613], df[0.646,0.058], g[1.306,0.169]
1/1 [=====] - 0s 93ms/step
>5494, dr[0.626,0.291], df[0.488,0.214], g[1.316,0.066]
1/1 [=====] - 0s 99ms/step
>5495, dr[0.548,0.348], df[0.621,0.060], g[1.285,0.109]
1/1 [=====] - 0s 109ms/step
>5496, dr[0.572,0.415], df[0.500,0.047], g[1.226,0.050]
1/1 [=====] - 0s 89ms/step
>5497, dr[0.516,0.683], df[0.518,0.073], g[1.349,0.091]
1/1 [=====] - 0s 118ms/step
>5498, dr[0.534,0.733], df[0.683,0.095], g[1.319,0.038]
1/1 [=====] - 0s 114ms/step
>5499, dr[0.498,0.455], df[0.595,0.035], g[1.160,0.080]
1/1 [=====] - 0s 116ms/step
>5500, dr[0.638,0.362], df[0.633,0.037], g[1.065,0.088]
1/1 [=====] - 0s 109ms/step
>5501, dr[0.618,0.472], df[0.693,0.139], g[1.271,0.066]
1/1 [=====] - 0s 100ms/step
>5502, dr[0.580,0.328], df[0.469,0.049], g[1.224,0.068]
1/1 [=====] - 0s 97ms/step
>5503, dr[0.366,0.643], df[0.746,0.096], g[1.348,0.127]
1/1 [=====] - 0s 89ms/step
>5504, dr[0.514,0.303], df[0.624,0.153], g[1.359,0.056]
1/1 [=====] - 0s 93ms/step
>5505, dr[0.627,0.481], df[0.373,0.053], g[1.266,0.082]
1/1 [=====] - 0s 94ms/step
>5506, dr[0.457,0.492], df[0.610,0.051], g[1.253,0.067]
1/1 [=====] - 0s 91ms/step
>5507, dr[0.558,0.419], df[0.632,0.075], g[1.204,0.069]
1/1 [=====] - 0s 95ms/step
>5508, dr[0.544,0.362], df[0.577,0.026], g[1.102,0.074]
1/1 [=====] - 0s 95ms/step
>5509, dr[0.638,0.415], df[0.526,0.041], g[1.246,0.046]
1/1 [=====] - 0s 92ms/step
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>5510, dr[0.601,0.683], df[0.555,0.064], g[1.130,0.163]
1/1 [=====] - 0s 108ms/step
>5511, dr[0.435,0.365], df[0.612,0.093], g[1.229,0.153]
1/1 [=====] - 0s 98ms/step
>5512, dr[0.419,0.683], df[0.442,0.090], g[1.307,0.079]
1/1 [=====] - 0s 89ms/step
>5513, dr[0.657,0.686], df[0.632,0.096], g[1.265,0.111]
1/1 [=====] - 0s 104ms/step
>5514, dr[0.634,0.217], df[0.583,0.103], g[1.180,0.155]
1/1 [=====] - 0s 95ms/step
>5515, dr[0.495,0.531], df[0.648,0.102], g[1.272,0.101]
1/1 [=====] - 0s 90ms/step
>5516, dr[0.465,0.964], df[0.511,0.093], g[1.335,0.141]
1/1 [=====] - 0s 97ms/step
>5517, dr[0.616,0.757], df[0.588,0.079], g[1.349,0.037]
1/1 [=====] - 0s 123ms/step
>5518, dr[0.537,0.472], df[0.677,0.050], g[1.169,0.062]
1/1 [=====] - 0s 289ms/step
>5519, dr[0.517,0.547], df[0.566,0.204], g[1.271,0.095]
1/1 [=====] - 0s 223ms/step
>5520, dr[0.682,0.666], df[0.430,0.053], g[1.195,0.073]
1/1 [=====] - 0s 101ms/step
>5521, dr[0.495,0.598], df[0.539,0.142], g[1.098,0.205]
1/1 [=====] - 0s 117ms/step
>5522, dr[0.577,0.434], df[0.659,0.221], g[1.099,0.077]
1/1 [=====] - 0s 126ms/step
>5523, dr[0.548,0.521], df[0.589,0.078], g[1.009,0.159]
1/1 [=====] - 0s 113ms/step
>5524, dr[0.423,0.263], df[0.558,0.111], g[1.103,0.146]
1/1 [=====] - 0s 104ms/step
>5525, dr[0.505,0.746], df[0.593,0.050], g[1.220,0.074]
1/1 [=====] - 0s 108ms/step
>5526, dr[0.758,1.241], df[0.588,0.068], g[1.078,0.142]
1/1 [=====] - 0s 102ms/step
>5527, dr[0.459,0.262], df[0.656,0.106], g[1.130,0.109]
1/1 [=====] - 0s 119ms/step
>5528, dr[0.576,0.455], df[0.770,0.104], g[1.433,0.076]
1/1 [=====] - 0s 104ms/step
>5529, dr[0.441,0.177], df[0.511,0.096], g[1.282,0.132]
1/1 [=====] - 0s 113ms/step
>5530, dr[0.642,0.612], df[0.590,0.100], g[1.270,0.063]
1/1 [=====] - 0s 91ms/step
>5531, dr[0.642,0.616], df[0.611,0.140], g[1.189,0.144]
1/1 [=====] - 0s 97ms/step
>5532, dr[0.688,0.610], df[0.789,0.169], g[1.266,0.126]
1/1 [=====] - 0s 104ms/step
>5533, dr[0.526,0.766], df[0.490,0.153], g[1.338,0.139]
1/1 [=====] - 0s 114ms/step
>5534, dr[0.717,0.680], df[0.450,0.092], g[1.348,0.151]
1/1 [=====] - 0s 104ms/step
>5535, dr[0.426,0.183], df[0.609,0.107], g[1.145,0.081]
1/1 [=====] - 0s 95ms/step
>5536, dr[0.637,0.531], df[0.569,0.086], g[1.091,0.065]
1/1 [=====] - 0s 105ms/step
>5537, dr[0.568,0.466], df[0.628,0.048], g[1.240,0.055]
1/1 [=====] - 0s 117ms/step
>5538, dr[0.571,0.582], df[0.549,0.038], g[1.163,0.071]
1/1 [=====] - 0s 102ms/step
>5539, dr[0.665,0.289], df[0.679,0.099], g[1.337,0.047]
1/1 [=====] - 0s 92ms/step
```

```
>5540, dr[0.674,0.499], df[0.604,0.102], g[1.204,0.103]
1/1 [=====] - 0s 100ms/step
>5541, dr[0.646,0.537], df[0.684,0.103], g[1.287,0.055]
1/1 [=====] - 0s 98ms/step
>5542, dr[0.479,0.449], df[0.504,0.066], g[1.091,0.103]
1/1 [=====] - 0s 95ms/step
>5543, dr[0.638,0.391], df[0.585,0.126], g[1.120,0.128]
1/1 [=====] - 0s 98ms/step
>5544, dr[0.407,0.420], df[0.597,0.153], g[1.316,0.060]
1/1 [=====] - 0s 110ms/step
>5545, dr[0.563,0.426], df[0.643,0.106], g[1.448,0.131]
1/1 [=====] - 0s 96ms/step
>5546, dr[0.594,0.845], df[0.495,0.065], g[1.404,0.068]
1/1 [=====] - 0s 100ms/step
>5547, dr[0.598,0.474], df[0.598,0.090], g[1.250,0.091]
1/1 [=====] - 0s 109ms/step
>5548, dr[0.634,0.351], df[0.841,0.077], g[1.275,0.072]
1/1 [=====] - 0s 104ms/step
>5549, dr[0.533,0.351], df[0.584,0.043], g[1.285,0.190]
1/1 [=====] - 0s 97ms/step
>5550, dr[0.839,0.768], df[0.669,0.086], g[1.151,0.130]
1/1 [=====] - 0s 95ms/step
>5551, dr[0.605,0.278], df[0.462,0.053], g[1.216,0.061]
1/1 [=====] - 0s 110ms/step
>5552, dr[0.622,0.585], df[0.504,0.109], g[1.168,0.091]
1/1 [=====] - 0s 101ms/step
>5553, dr[0.455,0.485], df[0.615,0.170], g[1.297,0.077]
1/1 [=====] - 0s 110ms/step
>5554, dr[0.530,0.968], df[0.591,0.240], g[1.362,0.125]
1/1 [=====] - 0s 108ms/step
>5555, dr[0.442,0.858], df[0.536,0.182], g[1.238,0.032]
1/1 [=====] - 0s 114ms/step
>5556, dr[0.637,0.677], df[0.641,0.076], g[1.213,0.176]
1/1 [=====] - 0s 103ms/step
>5557, dr[0.430,0.421], df[0.634,0.046], g[1.335,0.074]
1/1 [=====] - 0s 100ms/step
>5558, dr[0.602,0.461], df[0.444,0.066], g[1.223,0.136]
1/1 [=====] - 0s 107ms/step
>5559, dr[0.697,0.370], df[0.485,0.099], g[1.181,0.080]
1/1 [=====] - 0s 102ms/step
>5560, dr[0.553,0.571], df[0.707,0.128], g[1.133,0.145]
1/1 [=====] - 0s 96ms/step
>5561, dr[0.602,0.493], df[0.712,0.078], g[1.125,0.092]
1/1 [=====] - 0s 98ms/step
>5562, dr[0.568,0.543], df[0.474,0.078], g[1.294,0.044]
1/1 [=====] - 0s 114ms/step
>5563, dr[0.601,0.488], df[0.596,0.213], g[1.382,0.041]
1/1 [=====] - 0s 108ms/step
>5564, dr[0.726,0.224], df[0.719,0.140], g[1.146,0.118]
1/1 [=====] - 0s 96ms/step
>5565, dr[0.622,0.372], df[0.829,0.164], g[1.280,0.103]
1/1 [=====] - 0s 118ms/step
>5566, dr[0.539,0.732], df[0.483,0.160], g[1.440,0.138]
1/1 [=====] - 0s 124ms/step
>5567, dr[0.512,0.424], df[0.615,0.040], g[1.401,0.113]
1/1 [=====] - 0s 130ms/step
>5568, dr[0.532,0.310], df[0.502,0.108], g[1.291,0.081]
1/1 [=====] - 0s 94ms/step
>5569, dr[0.732,0.636], df[0.665,0.177], g[1.217,0.064]
1/1 [=====] - 0s 95ms/step
```

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>5570, dr[0.651,0.328], df[0.608,0.062], g[1.117,0.073]
1/1 [=====] - 0s 104ms/step
>5571, dr[0.560,0.338], df[0.492,0.086], g[1.136,0.110]
1/1 [=====] - 0s 98ms/step
>5572, dr[0.463,0.326], df[0.525,0.143], g[1.131,0.052]
1/1 [=====] - 0s 99ms/step
>5573, dr[0.508,0.227], df[0.760,0.123], g[1.325,0.044]
1/1 [=====] - 0s 96ms/step
>5574, dr[0.718,0.545], df[0.776,0.236], g[1.328,0.054]
1/1 [=====] - 0s 101ms/step
>5575, dr[0.553,0.844], df[0.485,0.117], g[1.421,0.108]
1/1 [=====] - 0s 92ms/step
>5576, dr[0.647,0.228], df[0.630,0.232], g[1.287,0.048]
1/1 [=====] - 0s 90ms/step
>5577, dr[0.564,0.549], df[0.572,0.156], g[1.325,0.132]
1/1 [=====] - 0s 96ms/step
>5578, dr[0.740,0.313], df[0.601,0.162], g[1.118,0.100]
1/1 [=====] - 0s 93ms/step
>5579, dr[0.652,0.714], df[0.542,0.049], g[0.986,0.055]
1/1 [=====] - 0s 91ms/step
>5580, dr[0.390,0.525], df[0.591,0.162], g[1.069,0.075]
1/1 [=====] - 0s 108ms/step
>5581, dr[0.553,0.595], df[0.723,0.073], g[1.337,0.102]
1/1 [=====] - 0s 97ms/step
>5582, dr[0.539,0.346], df[0.470,0.103], g[1.442,0.079]
1/1 [=====] - 0s 92ms/step
>5583, dr[0.635,0.978], df[0.473,0.064], g[1.394,0.090]
1/1 [=====] - 0s 118ms/step
>5584, dr[0.614,0.685], df[0.601,0.210], g[1.136,0.107]
1/1 [=====] - 0s 103ms/step
>5585, dr[0.510,0.209], df[0.680,0.269], g[1.231,0.087]
1/1 [=====] - 0s 99ms/step
>5586, dr[0.610,0.452], df[0.551,0.140], g[1.163,0.123]
1/1 [=====] - 0s 98ms/step
>5587, dr[0.747,0.460], df[0.573,0.087], g[0.979,0.109]
1/1 [=====] - 0s 105ms/step
>5588, dr[0.387,0.462], df[0.546,0.102], g[1.089,0.082]
1/1 [=====] - 0s 92ms/step
>5589, dr[0.621,0.585], df[0.428,0.162], g[1.174,0.044]
1/1 [=====] - 0s 92ms/step
>5590, dr[0.386,0.416], df[0.678,0.115], g[1.071,0.154]
1/1 [=====] - 0s 101ms/step
>5591, dr[0.531,0.323], df[0.538,0.114], g[1.220,0.123]
1/1 [=====] - 0s 93ms/step
>5592, dr[0.518,0.308], df[0.572,0.138], g[1.366,0.118]
1/1 [=====] - 0s 96ms/step
>5593, dr[0.671,0.850], df[0.651,0.047], g[1.463,0.076]
1/1 [=====] - 0s 201ms/step
>5594, dr[0.550,0.604], df[0.570,0.070], g[1.398,0.155]
1/1 [=====] - 0s 108ms/step
>5595, dr[0.480,0.422], df[0.630,0.062], g[1.349,0.098]
1/1 [=====] - 0s 122ms/step
>5596, dr[0.655,0.479], df[0.473,0.085], g[1.181,0.065]
1/1 [=====] - 0s 214ms/step
>5597, dr[0.494,0.364], df[0.527,0.158], g[1.364,0.034]
1/1 [=====] - 0s 94ms/step
>5598, dr[0.494,0.880], df[0.492,0.101], g[1.356,0.108]
1/1 [=====] - 0s 94ms/step
>5599, dr[0.548,0.472], df[0.532,0.065], g[1.389,0.071]
1/1 [=====] - 0s 101ms/step
```

```

>5600, dr[0.620,0.376], df[0.667,0.095], g[1.161,0.063]
1/1 [=====] - 0s 110ms/step
>5601, dr[0.493,0.552], df[0.436,0.159], g[1.297,0.047]
1/1 [=====] - 0s 145ms/step
>5602, dr[0.573,0.209], df[0.754,0.107], g[1.311,0.097]
1/1 [=====] - 0s 104ms/step
>5603, dr[0.541,0.437], df[0.703,0.041], g[1.318,0.088]
1/1 [=====] - 0s 113ms/step
>5604, dr[0.580,0.327], df[0.577,0.068], g[1.242,0.136]
1/1 [=====] - 0s 115ms/step
>5605, dr[0.555,0.639], df[0.567,0.097], g[1.317,0.201]
1/1 [=====] - 0s 127ms/step
>5606, dr[0.662,0.381], df[0.545,0.045], g[1.470,0.062]
1/1 [=====] - 0s 128ms/step
>5607, dr[0.621,0.439], df[0.431,0.142], g[1.200,0.083]
1/1 [=====] - 0s 141ms/step
>5608, dr[0.496,0.754], df[0.611,0.058], g[1.100,0.092]
1/1 [=====] - 0s 129ms/step
>5609, dr[0.476,0.633], df[0.514,0.068], g[1.068,0.126]
1/1 [=====] - 0s 128ms/step
>5610, dr[0.626,0.253], df[0.685,0.167], g[1.175,0.084]
1/1 [=====] - 0s 114ms/step
>5611, dr[0.440,0.265], df[0.508,0.093], g[1.198,0.040]
1/1 [=====] - 0s 103ms/step
>5612, dr[0.436,0.353], df[0.673,0.169], g[1.223,0.052]
1/1 [=====] - 0s 116ms/step
>5613, dr[0.636,0.488], df[0.539,0.086], g[1.241,0.090]
1/1 [=====] - 0s 163ms/step
>5614, dr[0.522,0.319], df[0.594,0.319], g[1.458,0.099]
1/1 [=====] - 0s 113ms/step
>5615, dr[0.585,0.323], df[0.469,0.061], g[1.506,0.110]
1/1 [=====] - 0s 161ms/step
>5616, dr[0.597,0.586], df[0.595,0.042], g[1.386,0.097]
1/1 [=====] - 0s 116ms/step
>5617, dr[0.613,0.294], df[0.496,0.155], g[1.174,0.111]
1/1 [=====] - 0s 141ms/step
>5618, dr[0.814,0.739], df[0.659,0.110], g[1.197,0.089]
1/1 [=====] - 0s 205ms/step
>5619, dr[0.413,0.641], df[0.599,0.042], g[1.283,0.083]
1/1 [=====] - 0s 114ms/step
>5620, dr[0.870,0.551], df[0.559,0.184], g[1.117,0.129]
1/1 [=====] - 0s 167ms/step
>5621, dr[0.452,0.469], df[0.604,0.131], g[1.116,0.155]
1/1 [=====] - 0s 126ms/step
>5622, dr[0.425,0.343], df[0.752,0.048], g[1.311,0.046]
4/4 [=====] - 0s 76ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_5622.png and model_5622.h5
The runtime to fit this model was: 3:37:41.962615.

```

Let's display a summary of the discriminator structure.

In [2]: `discriminator.summary()`

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

6.2) Evaluate Model Performance

Let's generate fake images that can be used to calculate the inception scores.

In [4]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np


model = load_model('model_5622.h5')
latent_dim = 100
n_examples = 300


# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()


# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0


# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```

n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 77ms/step
10/10 [=====] - 1s 78ms/step
10/10 [=====] - 1s 78ms/step
10/10 [=====] - 1s 80ms/step
10/10 [=====] - 1s 81ms/step
10/10 [=====] - 1s 84ms/step
10/10 [=====] - 1s 77ms/step
10/10 [=====] - 1s 80ms/step
10/10 [=====] - 1s 85ms/step
10/10 [=====] - 1s 88ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [5]:

```
# calculate inception score in Keras
from math import floor
```

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 21s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 25s 2s/step
10/10 [=====] - 22s 2s/step
10/10 [=====] - 20s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 20s 2s/step
score 1.2183783 0.0034627453
```

7) Model 6 - Experimentation with Batch Sizes While Fitting AC-GAN

7.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)

```

```

# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and Label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)

```

```

# generate Labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in Latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=6, n_batch=128):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in Latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error

```

```
_ ,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f,
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
    warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
2/2 [=====] - 0s 62ms/step  
>1, dr[1.192,3.151], df[1.132,3.071], g[0.705,3.315]  
2/2 [=====] - 0s 72ms/step  
>2, dr[0.835,2.847], df[1.250,3.211], g[0.739,3.134]  
2/2 [=====] - 0s 63ms/step  
>3, dr[0.590,3.044], df[1.105,3.263], g[1.066,3.128]  
2/2 [=====] - 0s 61ms/step  
>4, dr[0.673,3.177], df[0.846,3.241], g[1.312,3.219]  
2/2 [=====] - 0s 65ms/step  
>5, dr[0.737,2.876], df[0.788,3.429], g[1.167,3.053]  
2/2 [=====] - 0s 65ms/step  
>6, dr[0.586,2.886], df[0.576,3.073], g[1.388,2.985]  
2/2 [=====] - 0s 56ms/step  
>7, dr[0.690,2.599], df[0.517,2.942], g[1.192,3.048]  
2/2 [=====] - 0s 61ms/step  
>8, dr[0.657,2.609], df[0.727,2.956], g[0.970,2.967]  
2/2 [=====] - 0s 60ms/step  
>9, dr[0.444,2.353], df[0.674,2.913], g[1.242,3.115]  
2/2 [=====] - 0s 60ms/step  
>10, dr[0.494,2.312], df[0.572,3.146], g[1.247,3.085]  
2/2 [=====] - 0s 64ms/step  
>11, dr[0.583,2.643], df[0.887,3.229], g[1.191,3.157]  
2/2 [=====] - 0s 65ms/step  
>12, dr[0.468,2.347], df[0.595,3.028], g[1.253,3.175]  
2/2 [=====] - 0s 62ms/step  
>13, dr[0.601,2.428], df[0.532,3.131], g[1.252,2.964]  
2/2 [=====] - 0s 63ms/step  
>14, dr[0.438,2.049], df[0.610,2.817], g[1.137,3.073]  
2/2 [=====] - 0s 62ms/step  
>15, dr[0.501,2.544], df[0.515,3.022], g[1.012,3.045]  
2/2 [=====] - 0s 61ms/step  
>16, dr[0.458,2.163], df[0.480,3.228], g[1.001,2.931]  
2/2 [=====] - 0s 59ms/step  
>17, dr[0.398,2.229], df[0.484,2.936], g[0.906,2.931]  
2/2 [=====] - 0s 65ms/step  
>18, dr[0.394,2.152], df[0.512,3.201], g[0.618,2.769]  
2/2 [=====] - 0s 57ms/step  
>19, dr[0.479,1.948], df[0.422,3.032], g[0.724,3.170]  
2/2 [=====] - 0s 65ms/step  
>20, dr[0.549,2.085], df[0.298,2.967], g[0.486,3.155]  
2/2 [=====] - 0s 59ms/step  
>21, dr[0.333,1.926], df[0.436,2.993], g[0.529,3.164]  
2/2 [=====] - 0s 58ms/step  
>22, dr[0.442,1.886], df[0.186,2.844], g[0.315,2.934]  
2/2 [=====] - 0s 60ms/step  
>23, dr[0.320,1.749], df[0.449,3.360], g[0.214,3.224]  
2/2 [=====] - 0s 67ms/step  
>24, dr[0.303,2.015], df[0.194,2.924], g[0.213,3.051]  
2/2 [=====] - 0s 65ms/step  
>25, dr[0.214,1.674], df[0.200,3.284], g[0.192,2.858]  
2/2 [=====] - 0s 61ms/step  
>26, dr[0.253,1.694], df[0.127,3.172], g[0.150,3.156]  
2/2 [=====] - 0s 57ms/step  
>27, dr[0.176,1.981], df[0.152,2.884], g[0.097,3.034]  
2/2 [=====] - 0s 57ms/step  
>28, dr[0.200,1.893], df[0.171,3.225], g[0.110,3.013]  
2/2 [=====] - 0s 58ms/step  
>29, dr[0.132,1.403], df[0.138,2.843], g[0.103,3.067]  
2/2 [=====] - 0s 62ms/step
```

```
>30, dr[0.216,1.478], df[0.079,2.732], g[0.068,3.249]
2/2 [=====] - 0s 60ms/step
>31, dr[0.149,1.367], df[0.149,3.153], g[0.045,3.072]
2/2 [=====] - 0s 57ms/step
>32, dr[0.165,1.746], df[0.126,2.885], g[0.054,3.155]
2/2 [=====] - 0s 65ms/step
>33, dr[0.191,1.955], df[0.151,2.996], g[0.061,3.123]
2/2 [=====] - 0s 61ms/step
>34, dr[0.284,1.536], df[0.145,2.832], g[0.056,3.012]
2/2 [=====] - 0s 69ms/step
>35, dr[0.101,1.582], df[0.170,2.894], g[0.053,2.887]
2/2 [=====] - 0s 66ms/step
>36, dr[0.162,1.333], df[0.099,3.147], g[0.056,3.179]
2/2 [=====] - 0s 66ms/step
>37, dr[0.094,1.479], df[0.109,3.045], g[0.056,3.001]
2/2 [=====] - 0s 56ms/step
>38, dr[0.121,1.962], df[0.090,2.937], g[0.048,3.135]
2/2 [=====] - 0s 57ms/step
>39, dr[0.076,1.060], df[0.075,3.313], g[0.043,3.272]
2/2 [=====] - 0s 59ms/step
>40, dr[0.120,1.287], df[0.063,2.931], g[0.071,3.176]
2/2 [=====] - 0s 60ms/step
>41, dr[0.087,1.480], df[0.094,3.008], g[0.036,3.072]
2/2 [=====] - 0s 60ms/step
>42, dr[0.144,1.330], df[0.103,2.849], g[0.044,3.113]
2/2 [=====] - 0s 64ms/step
>43, dr[0.055,1.665], df[0.088,3.066], g[0.078,3.129]
2/2 [=====] - 0s 62ms/step
>44, dr[0.110,1.542], df[0.078,3.189], g[0.054,3.089]
2/2 [=====] - 0s 62ms/step
>45, dr[0.057,1.417], df[0.079,2.957], g[0.042,3.294]
2/2 [=====] - 0s 57ms/step
>46, dr[0.143,1.704], df[0.093,3.424], g[0.047,2.942]
2/2 [=====] - 0s 66ms/step
>47, dr[0.118,1.018], df[0.064,3.407], g[0.082,3.238]
2/2 [=====] - 0s 57ms/step
>48, dr[0.078,1.315], df[0.063,2.828], g[0.049,3.029]
2/2 [=====] - 0s 67ms/step
>49, dr[0.046,1.412], df[0.073,2.786], g[0.068,3.108]
2/2 [=====] - 0s 60ms/step
>50, dr[0.060,1.258], df[0.078,2.917], g[0.066,3.103]
2/2 [=====] - 0s 62ms/step
>51, dr[0.096,1.702], df[0.162,3.108], g[0.097,2.903]
2/2 [=====] - 0s 62ms/step
>52, dr[0.064,1.148], df[0.089,2.988], g[0.071,3.090]
2/2 [=====] - 0s 69ms/step
>53, dr[0.067,1.250], df[0.104,2.954], g[0.152,3.172]
2/2 [=====] - 0s 63ms/step
>54, dr[0.128,1.278], df[0.095,3.013], g[0.092,2.865]
2/2 [=====] - 0s 67ms/step
>55, dr[0.063,1.012], df[0.068,3.028], g[0.044,3.141]
2/2 [=====] - 0s 64ms/step
>56, dr[0.074,1.404], df[0.062,3.406], g[0.048,3.378]
2/2 [=====] - 0s 62ms/step
>57, dr[0.087,1.257], df[0.121,3.035], g[0.060,3.273]
2/2 [=====] - 0s 70ms/step
>58, dr[0.056,1.445], df[0.093,3.258], g[0.095,3.260]
2/2 [=====] - 0s 60ms/step
>59, dr[0.093,1.102], df[0.052,3.056], g[0.081,3.316]
2/2 [=====] - 0s 59ms/step
```

```
>60, dr[0.058,1.307], df[0.062,2.865], g[0.101,3.100]
2/2 [=====] - 0s 61ms/step
>61, dr[0.078,1.430], df[0.038,2.975], g[0.090,2.920]
2/2 [=====] - 0s 55ms/step
>62, dr[0.092,1.465], df[0.043,2.711], g[0.050,3.242]
2/2 [=====] - 0s 56ms/step
>63, dr[0.109,1.389], df[0.027,2.898], g[0.036,3.198]
2/2 [=====] - 0s 56ms/step
>64, dr[0.069,1.068], df[0.085,3.083], g[0.050,3.210]
2/2 [=====] - 0s 61ms/step
>65, dr[0.059,0.941], df[0.130,3.200], g[0.073,3.055]
2/2 [=====] - 0s 61ms/step
>66, dr[0.055,1.144], df[0.062,3.443], g[0.114,2.861]
2/2 [=====] - 0s 69ms/step
>67, dr[0.102,1.149], df[0.059,2.847], g[0.093,2.978]
2/2 [=====] - 0s 56ms/step
>68, dr[0.042,1.107], df[0.069,3.283], g[0.089,3.029]
2/2 [=====] - 0s 62ms/step
>69, dr[0.180,1.057], df[0.063,3.018], g[0.051,2.943]
2/2 [=====] - 0s 58ms/step
>70, dr[0.078,1.383], df[0.053,3.154], g[0.041,2.933]
2/2 [=====] - 0s 60ms/step
>71, dr[0.064,1.101], df[0.065,3.059], g[0.025,3.056]
2/2 [=====] - 0s 58ms/step
>72, dr[0.084,1.061], df[0.038,3.043], g[0.033,3.077]
2/2 [=====] - 0s 59ms/step
>73, dr[0.026,1.326], df[0.044,3.045], g[0.030,3.081]
2/2 [=====] - 0s 64ms/step
>74, dr[0.050,1.106], df[0.032,3.233], g[0.045,2.972]
2/2 [=====] - 0s 62ms/step
>75, dr[0.073,1.332], df[0.044,2.726], g[0.050,2.777]
2/2 [=====] - 0s 60ms/step
>76, dr[0.105,1.240], df[0.034,3.096], g[0.037,3.180]
2/2 [=====] - 0s 59ms/step
>77, dr[0.035,1.136], df[0.063,3.128], g[0.051,3.026]
2/2 [=====] - 0s 62ms/step
>78, dr[0.045,0.909], df[0.059,3.248], g[0.045,2.676]
2/2 [=====] - 0s 63ms/step
>79, dr[0.053,1.032], df[0.094,2.946], g[0.025,2.873]
2/2 [=====] - 0s 64ms/step
>80, dr[0.087,1.222], df[0.083,2.815], g[0.031,3.263]
2/2 [=====] - 0s 67ms/step
>81, dr[0.033,1.190], df[0.029,3.051], g[0.031,3.072]
2/2 [=====] - 0s 62ms/step
>82, dr[0.129,1.056], df[0.097,3.105], g[0.058,3.185]
2/2 [=====] - 0s 73ms/step
>83, dr[0.086,0.875], df[0.102,2.756], g[0.076,2.947]
2/2 [=====] - 0s 66ms/step
>84, dr[0.085,0.758], df[0.062,3.313], g[0.063,2.803]
2/2 [=====] - 0s 61ms/step
>85, dr[0.077,1.252], df[0.205,2.808], g[0.061,3.125]
2/2 [=====] - 0s 61ms/step
>86, dr[0.123,1.005], df[0.039,2.960], g[0.092,3.129]
2/2 [=====] - 0s 57ms/step
>87, dr[0.122,1.148], df[0.029,2.905], g[0.026,2.891]
2/2 [=====] - 0s 61ms/step
>88, dr[0.155,1.249], df[0.027,2.731], g[0.033,2.946]
2/2 [=====] - 0s 60ms/step
>89, dr[0.066,1.228], df[0.041,2.647], g[0.041,2.844]
2/2 [=====] - 0s 62ms/step
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>90, dr[0.062,1.045], df[0.058,2.652], g[0.049,2.678]
2/2 [=====] - 0s 59ms/step
>91, dr[0.078,1.065], df[0.142,2.650], g[0.056,2.970]
2/2 [=====] - 0s 64ms/step
>92, dr[0.039,0.995], df[0.072,2.823], g[0.061,2.812]
2/2 [=====] - 0s 60ms/step
>93, dr[0.064,1.018], df[0.061,2.832], g[0.078,2.674]
2/2 [=====] - 0s 71ms/step
>94, dr[0.144,0.742], df[0.152,2.930], g[0.033,2.680]
2/2 [=====] - 0s 59ms/step
>95, dr[0.103,1.084], df[0.157,2.771], g[0.065,2.643]
2/2 [=====] - 0s 58ms/step
>96, dr[0.058,0.998], df[0.101,2.644], g[0.084,2.495]
2/2 [=====] - 0s 64ms/step
>97, dr[0.090,1.082], df[0.113,2.777], g[0.095,2.609]
2/2 [=====] - 0s 60ms/step
>98, dr[0.143,1.034], df[0.166,2.691], g[0.070,2.414]
2/2 [=====] - 0s 58ms/step
>99, dr[0.093,0.956], df[0.234,2.422], g[0.101,2.385]
2/2 [=====] - 0s 61ms/step
>100, dr[0.159,1.181], df[0.333,2.489], g[0.132,2.540]
2/2 [=====] - 0s 58ms/step
>101, dr[0.287,0.706], df[0.288,2.338], g[0.153,2.091]
2/2 [=====] - 0s 69ms/step
>102, dr[0.382,0.870], df[0.339,2.572], g[0.109,2.216]
2/2 [=====] - 0s 59ms/step
>103, dr[0.170,1.224], df[0.250,2.272], g[0.105,2.431]
2/2 [=====] - 0s 65ms/step
>104, dr[0.323,0.895], df[0.081,2.211], g[0.069,2.250]
2/2 [=====] - 0s 72ms/step
>105, dr[0.233,1.116], df[0.131,1.886], g[0.045,2.038]
2/2 [=====] - 0s 63ms/step
>106, dr[0.157,0.920], df[0.130,2.438], g[0.036,2.183]
2/2 [=====] - 0s 64ms/step
>107, dr[0.136,0.779], df[0.197,2.700], g[0.061,1.806]
2/2 [=====] - 0s 68ms/step
>108, dr[0.103,0.823], df[0.154,2.082], g[0.087,1.882]
2/2 [=====] - 0s 63ms/step
>109, dr[0.220,0.620], df[0.081,1.987], g[0.071,1.917]
2/2 [=====] - 0s 68ms/step
>110, dr[0.179,1.093], df[0.198,1.783], g[0.065,1.828]
2/2 [=====] - 0s 65ms/step
>111, dr[0.084,0.879], df[0.116,1.696], g[0.102,1.739]
2/2 [=====] - 0s 62ms/step
>112, dr[0.129,0.769], df[0.075,1.853], g[0.108,1.681]
2/2 [=====] - 0s 69ms/step
>113, dr[0.150,1.400], df[0.203,1.476], g[0.061,1.525]
2/2 [=====] - 0s 64ms/step
>114, dr[0.153,0.778], df[0.190,1.703], g[0.169,1.514]
2/2 [=====] - 0s 68ms/step
>115, dr[0.161,0.942], df[0.102,1.626], g[0.082,1.591]
2/2 [=====] - 0s 62ms/step
>116, dr[0.180,1.197], df[0.237,1.340], g[0.131,1.264]
2/2 [=====] - 0s 65ms/step
>117, dr[0.212,1.063], df[0.070,1.409], g[0.047,1.450]
2/2 [=====] - 0s 62ms/step
>118, dr[0.183,0.891], df[0.085,1.532], g[0.024,1.347]
2/2 [=====] - 0s 64ms/step
>119, dr[0.100,0.910], df[0.147,1.282], g[0.034,1.273]
2/2 [=====] - 0s 62ms/step
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>120, dr[0.113,0.907], df[0.225,1.553], g[0.083,1.190]
2/2 [=====] - 0s 65ms/step
>121, dr[0.159,0.942], df[0.055,1.337], g[0.066,1.307]
2/2 [=====] - 0s 64ms/step
>122, dr[0.189,0.982], df[0.167,1.471], g[0.049,1.324]
2/2 [=====] - 0s 61ms/step
>123, dr[0.105,0.704], df[0.083,1.304], g[0.047,1.158]
2/2 [=====] - 0s 62ms/step
>124, dr[0.120,0.947], df[0.209,1.262], g[0.097,1.044]
2/2 [=====] - 0s 74ms/step
>125, dr[0.137,1.130], df[0.033,1.086], g[0.089,1.080]
2/2 [=====] - 0s 64ms/step
>126, dr[0.156,0.677], df[0.129,1.113], g[0.068,1.037]
2/2 [=====] - 0s 60ms/step
>127, dr[0.084,0.847], df[0.172,0.902], g[0.110,0.959]
2/2 [=====] - 0s 60ms/step
>128, dr[0.153,0.814], df[0.112,1.041], g[0.086,0.892]
2/2 [=====] - 0s 66ms/step
>129, dr[0.126,0.699], df[0.056,0.936], g[0.058,0.826]
2/2 [=====] - 0s 68ms/step
>130, dr[0.071,0.869], df[0.044,0.920], g[0.042,0.933]
2/2 [=====] - 0s 79ms/step
>131, dr[0.087,0.771], df[0.117,0.932], g[0.059,0.750]
2/2 [=====] - 0s 70ms/step
>132, dr[0.127,0.486], df[0.045,0.717], g[0.064,0.700]
2/2 [=====] - 0s 69ms/step
>133, dr[0.114,1.159], df[0.103,0.780], g[0.037,0.660]
2/2 [=====] - 0s 64ms/step
>134, dr[0.156,0.919], df[0.040,0.832], g[0.025,0.565]
2/2 [=====] - 0s 64ms/step
>135, dr[0.036,0.894], df[0.064,0.790], g[0.047,0.635]
2/2 [=====] - 0s 72ms/step
>136, dr[0.038,1.000], df[0.027,0.610], g[0.057,0.556]
2/2 [=====] - 0s 69ms/step
>137, dr[0.055,0.777], df[0.041,0.667], g[0.052,0.414]
2/2 [=====] - 0s 69ms/step
>138, dr[0.080,0.936], df[0.030,0.682], g[0.026,0.458]
2/2 [=====] - 0s 68ms/step
>139, dr[0.047,1.138], df[0.029,0.574], g[0.019,0.503]
2/2 [=====] - 0s 60ms/step
>140, dr[0.093,1.104], df[0.112,0.465], g[0.026,0.552]
2/2 [=====] - 0s 65ms/step
>141, dr[0.023,1.091], df[0.065,0.570], g[0.062,0.448]
2/2 [=====] - 0s 63ms/step
>142, dr[0.026,0.623], df[0.051,0.411], g[0.110,0.388]
2/2 [=====] - 0s 63ms/step
>143, dr[0.083,1.054], df[0.085,0.359], g[0.094,0.358]
2/2 [=====] - 0s 61ms/step
>144, dr[0.051,0.865], df[0.038,0.380], g[0.042,0.384]
2/2 [=====] - 0s 60ms/step
>145, dr[0.080,1.188], df[0.037,0.399], g[0.032,0.264]
2/2 [=====] - 0s 71ms/step
>146, dr[0.046,0.611], df[0.098,0.454], g[0.043,0.303]
2/2 [=====] - 0s 59ms/step
>147, dr[0.048,1.136], df[0.035,0.319], g[0.051,0.305]
2/2 [=====] - 0s 60ms/step
>148, dr[0.100,0.698], df[0.065,0.282], g[0.028,0.309]
2/2 [=====] - 0s 59ms/step
>149, dr[0.071,0.896], df[0.071,0.263], g[0.030,0.267]
2/2 [=====] - 0s 58ms/step
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>150, dr[0.056,0.976], df[0.035,0.353], g[0.050,0.303]
2/2 [=====] - 0s 66ms/step
>151, dr[0.115,0.919], df[0.034,0.218], g[0.040,0.306]
2/2 [=====] - 0s 60ms/step
>152, dr[0.089,0.537], df[0.115,0.287], g[0.066,0.287]
2/2 [=====] - 0s 65ms/step
>153, dr[0.071,1.068], df[0.026,0.309], g[0.055,0.179]
2/2 [=====] - 0s 59ms/step
>154, dr[0.110,1.105], df[0.054,0.318], g[0.048,0.261]
2/2 [=====] - 0s 68ms/step
>155, dr[0.060,0.637], df[0.062,0.295], g[0.028,0.195]
2/2 [=====] - 0s 69ms/step
>156, dr[0.101,1.154], df[0.034,0.201], g[0.049,0.307]
2/2 [=====] - 0s 67ms/step
>157, dr[0.050,1.028], df[0.029,0.311], g[0.023,0.246]
2/2 [=====] - 0s 57ms/step
>158, dr[0.040,0.836], df[0.021,0.233], g[0.016,0.212]
2/2 [=====] - 0s 63ms/step
>159, dr[0.035,1.099], df[0.072,0.235], g[0.053,0.214]
2/2 [=====] - 0s 57ms/step
>160, dr[0.044,1.180], df[0.020,0.204], g[0.038,0.187]
2/2 [=====] - 0s 61ms/step
>161, dr[0.054,1.001], df[0.055,0.192], g[0.036,0.277]
2/2 [=====] - 0s 63ms/step
>162, dr[0.033,0.988], df[0.008,0.157], g[0.017,0.167]
2/2 [=====] - 0s 61ms/step
>163, dr[0.075,0.742], df[0.024,0.202], g[0.029,0.162]
2/2 [=====] - 0s 62ms/step
>164, dr[0.032,0.935], df[0.054,0.267], g[0.030,0.169]
2/2 [=====] - 0s 62ms/step
>165, dr[0.026,1.064], df[0.037,0.167], g[0.022,0.173]
2/2 [=====] - 0s 59ms/step
>166, dr[0.054,0.915], df[0.018,0.214], g[0.035,0.101]
2/2 [=====] - 0s 57ms/step
>167, dr[0.073,1.157], df[0.040,0.113], g[0.014,0.112]
2/2 [=====] - 0s 57ms/step
>168, dr[0.018,0.917], df[0.068,0.130], g[0.019,0.131]
2/2 [=====] - 0s 57ms/step
>169, dr[0.026,1.322], df[0.032,0.182], g[0.026,0.108]
2/2 [=====] - 0s 64ms/step
>170, dr[0.036,1.001], df[0.012,0.116], g[0.044,0.144]
2/2 [=====] - 0s 61ms/step
>171, dr[0.074,1.076], df[0.047,0.128], g[0.026,0.158]
2/2 [=====] - 0s 59ms/step
>172, dr[0.034,0.848], df[0.030,0.090], g[0.023,0.166]
2/2 [=====] - 0s 60ms/step
>173, dr[0.030,0.568], df[0.028,0.182], g[0.031,0.109]
2/2 [=====] - 0s 61ms/step
>174, dr[0.022,0.934], df[0.030,0.167], g[0.020,0.140]
2/2 [=====] - 0s 59ms/step
>175, dr[0.018,0.727], df[0.014,0.190], g[0.035,0.091]
2/2 [=====] - 0s 60ms/step
>176, dr[0.037,0.698], df[0.035,0.084], g[0.019,0.097]
2/2 [=====] - 0s 59ms/step
>177, dr[0.034,0.676], df[0.026,0.126], g[0.017,0.097]
2/2 [=====] - 0s 68ms/step
>178, dr[0.021,0.787], df[0.014,0.092], g[0.009,0.125]
2/2 [=====] - 0s 57ms/step
>179, dr[0.028,1.157], df[0.040,0.103], g[0.011,0.106]
2/2 [=====] - 0s 56ms/step
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>180, dr[0.055,0.958], df[0.033,0.100], g[0.023,0.145]
2/2 [=====] - 0s 58ms/step
>181, dr[0.022,0.698], df[0.020,0.168], g[0.048,0.090]
2/2 [=====] - 0s 57ms/step
>182, dr[0.060,1.089], df[0.025,0.094], g[0.021,0.084]
2/2 [=====] - 0s 59ms/step
>183, dr[0.027,1.037], df[0.038,0.099], g[0.029,0.100]
2/2 [=====] - 0s 70ms/step
>184, dr[0.037,1.375], df[0.006,0.101], g[0.024,0.121]
2/2 [=====] - 0s 56ms/step
>185, dr[0.027,1.025], df[0.018,0.124], g[0.015,0.108]
2/2 [=====] - 0s 57ms/step
>186, dr[0.021,1.378], df[0.061,0.055], g[0.040,0.069]
2/2 [=====] - 0s 59ms/step
>187, dr[0.017,0.843], df[0.009,0.098], g[0.035,0.068]
2/2 [=====] - 0s 61ms/step
>188, dr[0.041,0.760], df[0.013,0.069], g[0.010,0.089]
2/2 [=====] - 0s 62ms/step
>189, dr[0.020,0.981], df[0.021,0.116], g[0.007,0.097]
2/2 [=====] - 0s 64ms/step
>190, dr[0.016,1.119], df[0.022,0.071], g[0.009,0.118]
2/2 [=====] - 0s 63ms/step
>191, dr[0.044,0.718], df[0.023,0.067], g[0.010,0.088]
2/2 [=====] - 0s 56ms/step
>192, dr[0.028,0.722], df[0.018,0.073], g[0.029,0.075]
2/2 [=====] - 0s 56ms/step
>193, dr[0.050,0.717], df[0.027,0.118], g[0.018,0.084]
2/2 [=====] - 0s 58ms/step
>194, dr[0.026,1.096], df[0.012,0.096], g[0.019,0.069]
2/2 [=====] - 0s 61ms/step
>195, dr[0.011,1.101], df[0.037,0.053], g[0.025,0.064]
2/2 [=====] - 0s 57ms/step
>196, dr[0.022,0.801], df[0.012,0.080], g[0.028,0.044]
2/2 [=====] - 0s 62ms/step
>197, dr[0.016,1.403], df[0.037,0.086], g[0.011,0.084]
2/2 [=====] - 0s 68ms/step
>198, dr[0.028,0.618], df[0.011,0.109], g[0.023,0.067]
2/2 [=====] - 0s 64ms/step
>199, dr[0.043,1.343], df[0.042,0.068], g[0.016,0.143]
2/2 [=====] - 0s 58ms/step
>200, dr[0.020,0.844], df[0.012,0.065], g[0.046,0.092]
2/2 [=====] - 0s 59ms/step
>201, dr[0.047,0.808], df[0.007,0.104], g[0.018,0.049]
2/2 [=====] - 0s 63ms/step
>202, dr[0.034,0.753], df[0.040,0.070], g[0.010,0.092]
2/2 [=====] - 0s 65ms/step
>203, dr[0.032,0.930], df[0.028,0.074], g[0.036,0.067]
2/2 [=====] - 0s 62ms/step
>204, dr[0.034,0.575], df[0.014,0.069], g[0.012,0.058]
2/2 [=====] - 0s 59ms/step
>205, dr[0.024,0.815], df[0.010,0.047], g[0.014,0.081]
2/2 [=====] - 0s 62ms/step
>206, dr[0.019,0.859], df[0.019,0.065], g[0.006,0.057]
2/2 [=====] - 0s 59ms/step
>207, dr[0.018,1.089], df[0.040,0.070], g[0.011,0.040]
2/2 [=====] - 0s 65ms/step
>208, dr[0.037,0.854], df[0.025,0.064], g[0.023,0.050]
2/2 [=====] - 0s 64ms/step
>209, dr[0.066,1.055], df[0.025,0.123], g[0.005,0.062]
2/2 [=====] - 0s 61ms/step
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>210, dr[0.011,0.703], df[0.021,0.062], g[0.012,0.049]
2/2 [=====] - 0s 61ms/step
>211, dr[0.049,0.728], df[0.013,0.049], g[0.019,0.032]
2/2 [=====] - 0s 60ms/step
>212, dr[0.028,1.143], df[0.024,0.034], g[0.021,0.050]
2/2 [=====] - 0s 72ms/step
>213, dr[0.012,1.061], df[0.027,0.048], g[0.013,0.077]
2/2 [=====] - 0s 63ms/step
>214, dr[0.029,0.552], df[0.021,0.085], g[0.016,0.050]
2/2 [=====] - 0s 65ms/step
>215, dr[0.018,0.784], df[0.009,0.043], g[0.009,0.069]
2/2 [=====] - 0s 64ms/step
>216, dr[0.009,0.671], df[0.018,0.045], g[0.030,0.059]
2/2 [=====] - 0s 62ms/step
>217, dr[0.021,0.773], df[0.037,0.068], g[0.015,0.056]
2/2 [=====] - 0s 61ms/step
>218, dr[0.025,0.710], df[0.007,0.050], g[0.007,0.077]
2/2 [=====] - 0s 62ms/step
>219, dr[0.017,0.512], df[0.030,0.070], g[0.008,0.062]
2/2 [=====] - 0s 65ms/step
>220, dr[0.023,0.672], df[0.013,0.057], g[0.014,0.056]
2/2 [=====] - 0s 61ms/step
>221, dr[0.039,0.670], df[0.019,0.048], g[0.013,0.057]
2/2 [=====] - 0s 60ms/step
>222, dr[0.017,0.684], df[0.011,0.037], g[0.013,0.056]
2/2 [=====] - 0s 63ms/step
>223, dr[0.040,0.821], df[0.026,0.049], g[0.008,0.038]
2/2 [=====] - 0s 63ms/step
>224, dr[0.037,0.617], df[0.045,0.042], g[0.017,0.055]
2/2 [=====] - 0s 68ms/step
>225, dr[0.029,0.971], df[0.027,0.038], g[0.023,0.063]
2/2 [=====] - 0s 59ms/step
>226, dr[0.031,0.780], df[0.011,0.042], g[0.022,0.033]
2/2 [=====] - 0s 62ms/step
>227, dr[0.026,0.818], df[0.009,0.034], g[0.013,0.071]
2/2 [=====] - 0s 57ms/step
>228, dr[0.043,0.993], df[0.058,0.028], g[0.031,0.050]
2/2 [=====] - 0s 57ms/step
>229, dr[0.020,1.054], df[0.005,0.046], g[0.066,0.078]
2/2 [=====] - 0s 57ms/step
>230, dr[0.021,0.724], df[0.014,0.062], g[0.024,0.054]
2/2 [=====] - 0s 64ms/step
>231, dr[0.066,0.916], df[0.028,0.039], g[0.018,0.053]
2/2 [=====] - 0s 59ms/step
>232, dr[0.035,0.875], df[0.045,0.058], g[0.021,0.062]
2/2 [=====] - 0s 57ms/step
>233, dr[0.016,0.749], df[0.015,0.073], g[0.037,0.055]
2/2 [=====] - 0s 59ms/step
>234, dr[0.019,0.995], df[0.010,0.044], g[0.022,0.113]
2/2 [=====] - 0s 66ms/step
>235, dr[0.074,0.941], df[0.034,0.057], g[0.013,0.071]
2/2 [=====] - 0s 65ms/step
>236, dr[0.017,0.851], df[0.036,0.042], g[0.031,0.112]
2/2 [=====] - 0s 62ms/step
>237, dr[0.073,0.776], df[0.029,0.076], g[0.011,0.044]
2/2 [=====] - 0s 65ms/step
>238, dr[0.011,0.808], df[0.043,0.047], g[0.054,0.053]
2/2 [=====] - 0s 60ms/step
>239, dr[0.037,0.789], df[0.010,0.048], g[0.036,0.050]
2/2 [=====] - 0s 61ms/step
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>240, dr[0.103,0.865], df[0.072,0.041], g[0.038,0.072]
2/2 [=====] - 0s 57ms/step
>241, dr[0.073,0.873], df[0.049,0.070], g[0.034,0.091]
2/2 [=====] - 0s 66ms/step
>242, dr[0.048,0.727], df[0.014,0.076], g[0.022,0.105]
2/2 [=====] - 0s 67ms/step
>243, dr[0.054,0.494], df[0.057,0.075], g[0.021,0.056]
2/2 [=====] - 0s 62ms/step
>244, dr[0.036,0.567], df[0.031,0.044], g[0.032,0.065]
2/2 [=====] - 0s 60ms/step
>245, dr[0.017,0.621], df[0.014,0.045], g[0.025,0.066]
2/2 [=====] - 0s 61ms/step
>246, dr[0.027,0.762], df[0.018,0.044], g[0.037,0.067]
2/2 [=====] - 0s 59ms/step
>247, dr[0.039,0.847], df[0.026,0.033], g[0.025,0.040]
2/2 [=====] - 0s 74ms/step
>248, dr[0.017,0.797], df[0.011,0.045], g[0.015,0.055]
2/2 [=====] - 0s 58ms/step
>249, dr[0.028,0.851], df[0.009,0.048], g[0.006,0.095]
2/2 [=====] - 0s 62ms/step
>250, dr[0.014,1.007], df[0.027,0.040], g[0.008,0.064]
2/2 [=====] - 0s 59ms/step
>251, dr[0.032,1.098], df[0.014,0.048], g[0.025,0.076]
2/2 [=====] - 0s 61ms/step
>252, dr[0.022,0.628], df[0.023,0.047], g[0.025,0.045]
2/2 [=====] - 0s 60ms/step
>253, dr[0.018,0.766], df[0.020,0.027], g[0.016,0.048]
2/2 [=====] - 0s 59ms/step
>254, dr[0.046,0.527], df[0.058,0.045], g[0.028,0.079]
2/2 [=====] - 0s 60ms/step
>255, dr[0.034,0.696], df[0.005,0.062], g[0.041,0.059]
2/2 [=====] - 0s 61ms/step
>256, dr[0.036,0.642], df[0.011,0.060], g[0.014,0.046]
2/2 [=====] - 0s 66ms/step
>257, dr[0.022,0.607], df[0.052,0.038], g[0.028,0.074]
2/2 [=====] - 0s 61ms/step
>258, dr[0.060,1.028], df[0.010,0.043], g[0.030,0.038]
2/2 [=====] - 0s 64ms/step
>259, dr[0.042,0.540], df[0.076,0.079], g[0.143,0.069]
2/2 [=====] - 0s 65ms/step
>260, dr[0.057,0.920], df[0.006,0.063], g[0.042,0.075]
2/2 [=====] - 0s 67ms/step
>261, dr[0.021,0.645], df[0.038,0.051], g[0.054,0.076]
2/2 [=====] - 0s 63ms/step
>262, dr[0.052,0.967], df[0.019,0.061], g[0.022,0.068]
2/2 [=====] - 0s 63ms/step
>263, dr[0.031,0.715], df[0.020,0.054], g[0.011,0.050]
2/2 [=====] - 0s 68ms/step
>264, dr[0.033,0.984], df[0.020,0.058], g[0.005,0.045]
2/2 [=====] - 0s 64ms/step
>265, dr[0.023,0.775], df[0.022,0.088], g[0.010,0.099]
2/2 [=====] - 0s 65ms/step
>266, dr[0.035,0.937], df[0.015,0.032], g[0.020,0.062]
2/2 [=====] - 0s 64ms/step
>267, dr[0.010,1.070], df[0.008,0.048], g[0.034,0.032]
2/2 [=====] - 0s 64ms/step
>268, dr[0.060,0.789], df[0.043,0.046], g[0.022,0.049]
2/2 [=====] - 0s 63ms/step
>269, dr[0.092,0.756], df[0.041,0.027], g[0.047,0.048]
2/2 [=====] - 0s 60ms/step
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>270, dr[0.060,0.755], df[0.044,0.040], g[0.171,0.050]
2/2 [=====] - 0s 62ms/step
>271, dr[0.056,0.928], df[0.025,0.032], g[0.124,0.177]
2/2 [=====] - 0s 63ms/step
>272, dr[0.047,0.781], df[0.033,0.035], g[0.161,0.086]
2/2 [=====] - 0s 66ms/step
>273, dr[0.046,0.738], df[0.011,0.056], g[0.011,0.091]
2/2 [=====] - 0s 67ms/step
>274, dr[0.054,0.846], df[0.091,0.064], g[0.445,0.123]
2/2 [=====] - 0s 80ms/step
>275, dr[0.082,0.883], df[0.023,0.072], g[0.087,0.188]
2/2 [=====] - 0s 71ms/step
>276, dr[0.044,1.116], df[0.040,0.092], g[0.092,0.156]
2/2 [=====] - 0s 94ms/step
>277, dr[0.024,0.847], df[0.002,0.156], g[0.307,0.149]
2/2 [=====] - 0s 134ms/step
>278, dr[0.023,0.785], df[0.011,0.096], g[0.023,0.136]
2/2 [=====] - 0s 113ms/step
>279, dr[0.020,0.683], df[0.025,0.057], g[0.026,0.129]
2/2 [=====] - 0s 73ms/step
>280, dr[0.060,0.985], df[0.025,0.057], g[0.021,0.094]
2/2 [=====] - 0s 66ms/step
>281, dr[0.020,0.846], df[0.011,0.064], g[0.018,0.068]
2/2 [=====] - 0s 62ms/step
>282, dr[0.022,0.973], df[0.031,0.091], g[0.034,0.074]
2/2 [=====] - 0s 69ms/step
>283, dr[0.019,0.678], df[0.016,0.050], g[0.105,0.091]
2/2 [=====] - 0s 56ms/step
>284, dr[0.064,1.008], df[0.039,0.030], g[0.061,0.106]
2/2 [=====] - 0s 62ms/step
>285, dr[0.031,1.034], df[0.042,0.083], g[0.107,0.061]
2/2 [=====] - 0s 61ms/step
>286, dr[0.028,0.887], df[0.008,0.041], g[0.055,0.115]
2/2 [=====] - 0s 58ms/step
>287, dr[0.046,0.739], df[0.116,0.075], g[1.635,0.127]
2/2 [=====] - 0s 58ms/step
>288, dr[0.234,0.751], df[1.960,0.452], g[13.019,3.176]
2/2 [=====] - 0s 58ms/step
>289, dr[3.522,0.874], df[0.001,0.433], g[9.325,1.189]
2/2 [=====] - 0s 62ms/step
>290, dr[0.071,0.898], df[6.375,1.032], g[7.105,0.502]
2/2 [=====] - 0s 62ms/step
>291, dr[0.265,1.054], df[0.001,2.223], g[7.485,0.745]
2/2 [=====] - 0s 63ms/step
>292, dr[0.901,0.747], df[0.002,1.370], g[2.046,1.019]
2/2 [=====] - 0s 81ms/step
>293, dr[0.090,0.734], df[0.030,1.449], g[0.754,0.988]
2/2 [=====] - 0s 63ms/step
>294, dr[0.015,0.964], df[0.120,1.183], g[0.835,0.461]
2/2 [=====] - 0s 67ms/step
>295, dr[0.025,0.917], df[0.047,1.022], g[0.496,0.329]
2/2 [=====] - 0s 60ms/step
>296, dr[0.033,0.785], df[0.115,0.583], g[0.293,0.262]
2/2 [=====] - 0s 58ms/step
>297, dr[0.041,0.751], df[0.065,0.488], g[0.237,0.297]
2/2 [=====] - 0s 58ms/step
>298, dr[0.116,0.799], df[0.083,0.164], g[0.216,0.168]
2/2 [=====] - 0s 61ms/step
>299, dr[0.078,0.811], df[0.201,0.114], g[0.298,0.199]
2/2 [=====] - 0s 58ms/step
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>300, dr[0.074,1.056], df[0.109,0.100], g[0.514,0.243]
2/2 [=====] - 0s 57ms/step
>301, dr[0.139,1.007], df[0.276,0.112], g[0.738,0.338]
2/2 [=====] - 0s 58ms/step
>302, dr[0.103,0.766], df[0.291,0.112], g[1.903,0.257]
2/2 [=====] - 0s 58ms/step
>303, dr[0.613,0.951], df[0.953,0.622], g[5.466,0.582]
2/2 [=====] - 0s 56ms/step
>304, dr[0.488,0.729], df[0.002,0.687], g[5.272,0.376]
2/2 [=====] - 0s 58ms/step
>305, dr[0.220,0.901], df[0.113,0.295], g[2.672,0.183]
2/2 [=====] - 0s 67ms/step
>306, dr[0.044,1.136], df[0.305,0.350], g[3.606,0.246]
2/2 [=====] - 0s 64ms/step
>307, dr[0.055,1.012], df[0.027,0.293], g[3.979,0.196]
2/2 [=====] - 0s 62ms/step
>308, dr[0.263,0.997], df[0.069,0.240], g[3.130,0.213]
2/2 [=====] - 0s 70ms/step
>309, dr[0.083,1.112], df[0.142,0.271], g[2.825,0.223]
2/2 [=====] - 0s 62ms/step
>310, dr[0.040,1.061], df[0.031,0.276], g[2.767,0.198]
2/2 [=====] - 0s 63ms/step
>311, dr[0.088,1.011], df[0.083,0.295], g[2.256,0.233]
2/2 [=====] - 0s 65ms/step
>312, dr[0.055,0.956], df[0.121,0.344], g[1.423,0.274]
2/2 [=====] - 0s 65ms/step
>313, dr[0.172,0.989], df[0.135,0.276], g[0.832,0.309]
2/2 [=====] - 0s 61ms/step
>314, dr[0.082,0.620], df[0.210,0.179], g[0.967,0.347]
2/2 [=====] - 0s 60ms/step
>315, dr[0.192,1.235], df[0.151,0.212], g[0.784,0.258]
2/2 [=====] - 0s 57ms/step
>316, dr[0.191,0.793], df[0.156,0.114], g[0.613,0.253]
2/2 [=====] - 0s 62ms/step
>317, dr[0.158,0.961], df[0.212,0.229], g[0.880,0.344]
2/2 [=====] - 0s 60ms/step
>318, dr[0.453,0.886], df[0.297,0.111], g[0.889,0.149]
2/2 [=====] - 0s 58ms/step
>319, dr[0.431,1.129], df[0.790,0.095], g[6.428,0.122]
2/2 [=====] - 0s 58ms/step
>320, dr[2.204,0.647], df[0.230,0.109], g[3.711,0.141]
2/2 [=====] - 0s 65ms/step
>321, dr[0.376,0.912], df[0.433,0.180], g[5.481,0.136]
2/2 [=====] - 0s 59ms/step
>322, dr[0.526,0.793], df[0.190,0.141], g[3.956,0.129]
2/2 [=====] - 0s 59ms/step
>323, dr[0.269,0.841], df[0.156,0.203], g[3.702,0.167]
2/2 [=====] - 0s 58ms/step
>324, dr[0.220,0.896], df[0.216,0.290], g[2.852,0.141]
2/2 [=====] - 0s 59ms/step
>325, dr[0.122,0.779], df[0.117,0.198], g[3.003,0.223]
2/2 [=====] - 0s 63ms/step
>326, dr[0.171,0.915], df[0.102,0.277], g[2.539,0.182]
2/2 [=====] - 0s 64ms/step
>327, dr[0.147,0.906], df[0.132,0.336], g[2.500,0.212]
2/2 [=====] - 0s 70ms/step
>328, dr[0.150,0.942], df[0.019,0.448], g[1.271,0.213]
2/2 [=====] - 0s 61ms/step
>329, dr[0.043,1.097], df[0.149,0.339], g[1.114,0.223]
2/2 [=====] - 0s 58ms/step
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>330, dr[0.095,1.389], df[0.108,0.370], g[1.192,0.213]
2/2 [=====] - 0s 58ms/step
>331, dr[0.138,0.913], df[0.031,0.355], g[0.709,0.128]
2/2 [=====] - 0s 57ms/step
>332, dr[0.096,1.036], df[0.133,0.160], g[0.490,0.114]
2/2 [=====] - 0s 58ms/step
>333, dr[0.057,0.977], df[0.103,0.120], g[0.593,0.135]
2/2 [=====] - 0s 61ms/step
>334, dr[0.089,0.550], df[0.082,0.091], g[0.405,0.184]
2/2 [=====] - 0s 56ms/step
>335, dr[0.143,0.888], df[0.195,0.189], g[0.623,0.096]
2/2 [=====] - 0s 67ms/step
>336, dr[0.116,0.846], df[0.395,0.079], g[2.238,0.104]
2/2 [=====] - 0s 57ms/step
>337, dr[0.521,0.993], df[0.298,0.162], g[3.127,0.132]
2/2 [=====] - 0s 59ms/step
>338, dr[0.349,1.307], df[0.101,0.090], g[2.000,0.102]
2/2 [=====] - 0s 57ms/step
>339, dr[0.077,0.879], df[0.218,0.219], g[1.398,0.129]
2/2 [=====] - 0s 61ms/step
>340, dr[0.067,0.862], df[0.034,0.351], g[0.604,0.179]
2/2 [=====] - 0s 64ms/step
>341, dr[0.146,0.772], df[0.181,0.341], g[0.436,0.175]
2/2 [=====] - 0s 64ms/step
>342, dr[0.085,1.184], df[0.063,0.292], g[0.375,0.207]
2/2 [=====] - 0s 62ms/step
>343, dr[0.169,0.878], df[0.084,0.333], g[0.125,0.247]
2/2 [=====] - 0s 60ms/step
>344, dr[0.105,0.567], df[0.134,0.239], g[0.219,0.266]
2/2 [=====] - 0s 56ms/step
>345, dr[0.146,0.919], df[0.076,0.192], g[0.129,0.126]
2/2 [=====] - 0s 59ms/step
>346, dr[0.112,0.716], df[0.149,0.076], g[0.194,0.089]
2/2 [=====] - 0s 57ms/step
>347, dr[0.115,1.091], df[0.141,0.084], g[0.318,0.064]
2/2 [=====] - 0s 64ms/step
>348, dr[0.180,1.222], df[0.186,0.075], g[0.183,0.082]
2/2 [=====] - 0s 60ms/step
>349, dr[0.144,0.686], df[0.234,0.052], g[0.368,0.078]
2/2 [=====] - 0s 57ms/step
>350, dr[0.419,0.896], df[0.610,0.053], g[0.988,0.054]
2/2 [=====] - 0s 58ms/step
>351, dr[0.659,0.709], df[0.811,0.036], g[2.483,0.097]
2/2 [=====] - 0s 57ms/step
>352, dr[1.374,0.858], df[2.249,0.018], g[8.470,0.181]
2/2 [=====] - 0s 62ms/step
>353, dr[2.087,0.786], df[0.107,0.071], g[2.779,0.159]
2/2 [=====] - 0s 60ms/step
>354, dr[0.246,0.686], df[0.894,0.093], g[3.423,0.101]
2/2 [=====] - 0s 69ms/step
>355, dr[0.605,0.781], df[0.078,0.076], g[1.739,0.083]
2/2 [=====] - 0s 64ms/step
>356, dr[0.243,1.295], df[0.084,0.220], g[0.935,0.116]
2/2 [=====] - 0s 65ms/step
>357, dr[0.159,0.959], df[0.100,0.200], g[0.520,0.109]
2/2 [=====] - 0s 68ms/step
>358, dr[0.141,1.166], df[0.113,0.129], g[0.370,0.074]
2/2 [=====] - 0s 67ms/step
>359, dr[0.096,1.074], df[0.052,0.076], g[0.262,0.170]
2/2 [=====] - 0s 71ms/step
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>360, dr[0.017,1.137], df[0.100,0.122], g[0.343,0.118]
2/2 [=====] - 0s 65ms/step
>361, dr[0.065,0.932], df[0.053,0.145], g[0.275,0.176]
2/2 [=====] - 0s 59ms/step
>362, dr[0.082,0.588], df[0.065,0.038], g[0.344,0.145]
2/2 [=====] - 0s 57ms/step
>363, dr[0.052,0.607], df[0.131,0.065], g[0.340,0.098]
2/2 [=====] - 0s 64ms/step
>364, dr[0.123,0.953], df[0.130,0.065], g[0.338,0.091]
2/2 [=====] - 0s 73ms/step
>365, dr[0.100,0.550], df[0.172,0.076], g[0.408,0.090]
2/2 [=====] - 0s 64ms/step
>366, dr[0.272,0.845], df[0.735,0.030], g[0.945,0.082]
2/2 [=====] - 0s 59ms/step
>367, dr[0.762,1.073], df[0.668,0.030], g[1.047,0.061]
2/2 [=====] - 0s 62ms/step
>368, dr[0.675,0.469], df[1.391,0.025], g[2.468,0.062]
2/2 [=====] - 0s 58ms/step
>369, dr[2.121,0.764], df[1.042,0.047], g[2.528,0.153]
2/2 [=====] - 0s 62ms/step
>370, dr[0.817,0.864], df[0.442,0.017], g[2.803,0.084]
2/2 [=====] - 0s 60ms/step
>371, dr[0.708,0.995], df[0.851,0.041], g[2.552,0.092]
2/2 [=====] - 0s 61ms/step
>372, dr[0.478,0.598], df[0.122,0.108], g[1.767,0.062]
2/2 [=====] - 0s 71ms/step
>373, dr[0.442,0.872], df[0.216,0.338], g[0.704,0.101]
2/2 [=====] - 0s 63ms/step
>374, dr[0.093,0.675], df[0.057,0.137], g[0.659,0.071]
2/2 [=====] - 0s 69ms/step
>375, dr[0.085,0.797], df[0.103,0.154], g[0.377,0.090]
2/2 [=====] - 0s 61ms/step
>376, dr[0.058,0.734], df[0.086,0.175], g[0.421,0.083]
2/2 [=====] - 0s 65ms/step
>377, dr[0.166,1.073], df[0.152,0.183], g[0.266,0.072]
2/2 [=====] - 0s 66ms/step
>378, dr[0.095,0.696], df[0.209,0.165], g[0.516,0.083]
2/2 [=====] - 0s 64ms/step
>379, dr[0.232,1.051], df[0.188,0.052], g[0.280,0.084]
2/2 [=====] - 0s 70ms/step
>380, dr[0.210,0.814], df[0.494,0.091], g[0.702,0.083]
2/2 [=====] - 0s 70ms/step
>381, dr[0.408,1.015], df[0.456,0.078], g[0.864,0.094]
2/2 [=====] - 0s 68ms/step
>382, dr[0.837,0.929], df[1.653,0.067], g[1.509,0.074]
2/2 [=====] - 0s 71ms/step
>383, dr[1.444,1.041], df[1.689,0.079], g[2.485,0.114]
2/2 [=====] - 0s 65ms/step
>384, dr[1.776,0.642], df[0.533,0.111], g[1.376,0.126]
2/2 [=====] - 0s 66ms/step
>385, dr[0.846,1.192], df[0.674,0.196], g[1.067,0.142]
2/2 [=====] - 0s 63ms/step
>386, dr[0.404,0.720], df[0.290,0.067], g[1.131,0.130]
2/2 [=====] - 0s 67ms/step
>387, dr[0.390,1.078], df[1.327,0.139], g[2.080,0.090]
2/2 [=====] - 0s 67ms/step
>388, dr[1.211,0.782], df[0.880,0.192], g[1.579,0.127]
2/2 [=====] - 0s 65ms/step
>389, dr[0.843,1.119], df[0.423,0.336], g[0.954,0.141]
2/2 [=====] - 0s 62ms/step
```

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>390, dr[0.572,0.982], df[0.302,0.255], g[0.556,0.091]
2/2 [=====] - 0s 59ms/step
>391, dr[0.323,0.935], df[0.172,0.303], g[0.413,0.091]
2/2 [=====] - 0s 62ms/step
>392, dr[0.060,1.006], df[0.123,0.108], g[0.532,0.102]
2/2 [=====] - 0s 63ms/step
>393, dr[0.103,1.122], df[0.216,0.090], g[0.436,0.058]
2/2 [=====] - 0s 64ms/step
>394, dr[0.241,0.570], df[0.166,0.095], g[0.412,0.068]
2/2 [=====] - 0s 61ms/step
>395, dr[0.251,0.373], df[0.276,0.065], g[0.490,0.044]
2/2 [=====] - 0s 65ms/step
>396, dr[0.167,0.654], df[0.436,0.034], g[0.793,0.058]
2/2 [=====] - 0s 68ms/step
>397, dr[0.458,1.306], df[0.413,0.040], g[0.729,0.075]
2/2 [=====] - 0s 70ms/step
>398, dr[0.397,1.137], df[0.689,0.019], g[1.101,0.047]
2/2 [=====] - 0s 58ms/step
>399, dr[1.069,0.755], df[1.106,0.040], g[1.347,0.091]
2/2 [=====] - 0s 62ms/step
>400, dr[1.742,0.880], df[1.054,0.080], g[1.392,0.069]
2/2 [=====] - 0s 57ms/step
>401, dr[0.890,0.873], df[0.680,0.064], g[1.444,0.083]
2/2 [=====] - 0s 63ms/step
>402, dr[0.309,0.720], df[0.297,0.023], g[1.586,0.069]
2/2 [=====] - 0s 57ms/step
>403, dr[0.282,1.002], df[0.307,0.018], g[0.947,0.052]
2/2 [=====] - 0s 63ms/step
>404, dr[0.477,1.056], df[0.462,0.035], g[0.629,0.093]
2/2 [=====] - 0s 61ms/step
>405, dr[0.311,0.610], df[0.251,0.042], g[0.515,0.079]
2/2 [=====] - 0s 63ms/step
>406, dr[0.436,0.858], df[0.167,0.073], g[0.407,0.064]
2/2 [=====] - 0s 61ms/step
>407, dr[0.250,0.931], df[0.306,0.061], g[0.343,0.047]
2/2 [=====] - 0s 66ms/step
>408, dr[0.253,0.612], df[0.169,0.075], g[0.278,0.071]
2/2 [=====] - 0s 57ms/step
>409, dr[0.213,0.680], df[0.158,0.068], g[0.238,0.122]
2/2 [=====] - 0s 57ms/step
>410, dr[0.194,0.744], df[0.251,0.061], g[0.267,0.089]
2/2 [=====] - 0s 59ms/step
>411, dr[0.233,0.915], df[0.199,0.022], g[0.232,0.113]
2/2 [=====] - 0s 60ms/step
>412, dr[0.196,0.532], df[0.112,0.067], g[0.237,0.093]
2/2 [=====] - 0s 58ms/step
>413, dr[0.178,0.668], df[0.232,0.021], g[0.150,0.069]
2/2 [=====] - 0s 57ms/step
>414, dr[0.480,1.152], df[0.346,0.064], g[0.114,0.043]
2/2 [=====] - 0s 64ms/step
>415, dr[0.119,1.158], df[0.218,0.040], g[0.281,0.045]
2/2 [=====] - 0s 58ms/step
>416, dr[0.291,0.844], df[0.235,0.033], g[0.258,0.040]
2/2 [=====] - 0s 57ms/step
>417, dr[0.341,0.901], df[0.327,0.051], g[0.226,0.067]
2/2 [=====] - 0s 60ms/step
>418, dr[0.272,0.733], df[0.367,0.112], g[0.353,0.098]
2/2 [=====] - 0s 66ms/step
>419, dr[0.311,1.046], df[0.198,0.032], g[0.330,0.054]
2/2 [=====] - 0s 70ms/step
```

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>420, dr[0.271,0.985], df[0.293,0.107], g[0.488,0.128]
2/2 [=====] - 0s 66ms/step
>421, dr[0.393,0.846], df[0.445,0.013], g[0.943,0.050]
2/2 [=====] - 0s 65ms/step
>422, dr[0.789,0.776], df[0.621,0.025], g[0.632,0.136]
2/2 [=====] - 0s 69ms/step
>423, dr[0.322,0.392], df[0.368,0.041], g[1.150,0.106]
2/2 [=====] - 0s 67ms/step
>424, dr[0.660,0.633], df[0.730,0.056], g[1.315,0.130]
2/2 [=====] - 0s 65ms/step
>425, dr[0.617,0.677], df[0.284,0.073], g[0.818,0.097]
2/2 [=====] - 0s 63ms/step
>426, dr[0.254,0.589], df[0.381,0.065], g[0.711,0.087]
2/2 [=====] - 0s 66ms/step
>427, dr[0.369,0.930], df[0.302,0.064], g[0.511,0.089]
2/2 [=====] - 0s 64ms/step
>428, dr[0.336,0.621], df[0.446,0.074], g[0.662,0.097]
2/2 [=====] - 0s 64ms/step
>429, dr[0.365,0.904], df[0.680,0.063], g[0.971,0.147]
2/2 [=====] - 0s 62ms/step
>430, dr[0.541,0.932], df[0.595,0.072], g[0.874,0.089]
2/2 [=====] - 0s 61ms/step
>431, dr[0.481,0.577], df[0.583,0.095], g[1.090,0.122]
2/2 [=====] - 0s 68ms/step
>432, dr[0.978,0.776], df[1.673,0.096], g[1.426,0.125]
2/2 [=====] - 0s 59ms/step
>433, dr[1.605,0.759], df[1.391,0.074], g[1.650,0.128]
2/2 [=====] - 0s 58ms/step
>434, dr[0.971,1.025], df[0.561,0.131], g[1.774,0.192]
2/2 [=====] - 0s 69ms/step
>435, dr[0.530,0.630], df[0.646,0.051], g[1.881,0.176]
2/2 [=====] - 0s 58ms/step
>436, dr[0.787,0.674], df[0.664,0.189], g[1.074,0.290]
2/2 [=====] - 0s 58ms/step
>437, dr[0.446,0.615], df[0.659,0.086], g[1.701,0.199]
2/2 [=====] - 0s 57ms/step
>438, dr[0.804,1.007], df[0.652,0.205], g[1.409,0.296]
2/2 [=====] - 0s 58ms/step
>439, dr[0.683,0.753], df[0.322,0.281], g[0.612,0.284]
2/2 [=====] - 0s 66ms/step
>440, dr[0.397,0.674], df[0.603,0.219], g[0.823,0.227]
2/2 [=====] - 0s 59ms/step
>441, dr[0.503,0.856], df[0.129,0.212], g[0.440,0.218]
2/2 [=====] - 0s 61ms/step
>442, dr[0.272,1.083], df[0.415,0.246], g[0.334,0.146]
2/2 [=====] - 0s 64ms/step
>443, dr[0.169,0.997], df[0.373,0.323], g[0.602,0.178]
2/2 [=====] - 0s 57ms/step
>444, dr[0.538,0.751], df[0.169,0.138], g[0.308,0.181]
2/2 [=====] - 0s 59ms/step
>445, dr[0.159,0.612], df[0.351,0.132], g[0.471,0.281]
2/2 [=====] - 0s 63ms/step
>446, dr[0.964,0.773], df[0.836,0.084], g[0.338,0.210]
2/2 [=====] - 0s 67ms/step
>447, dr[0.252,0.552], df[0.456,0.094], g[0.701,0.184]
2/2 [=====] - 0s 67ms/step
>448, dr[0.731,0.588], df[0.770,0.135], g[0.803,0.155]
2/2 [=====] - 0s 61ms/step
>449, dr[0.984,0.741], df[1.302,0.081], g[1.068,0.200]
2/2 [=====] - 0s 65ms/step
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>450, dr[0.895,0.976], df[1.045,0.083], g[1.211,0.241]
2/2 [=====] - 0s 61ms/step
>451, dr[1.361,0.682], df[0.931,0.092], g[1.040,0.165]
2/2 [=====] - 0s 58ms/step
>452, dr[0.613,0.706], df[1.223,0.071], g[1.748,0.204]
2/2 [=====] - 0s 57ms/step
>453, dr[1.311,0.841], df[0.923,0.058], g[1.934,0.215]
2/2 [=====] - 0s 61ms/step
>454, dr[1.078,0.764], df[0.770,0.111], g[2.080,0.203]
2/2 [=====] - 0s 60ms/step
>455, dr[0.629,0.725], df[0.493,0.146], g[1.859,0.207]
2/2 [=====] - 0s 61ms/step
>456, dr[0.473,0.517], df[0.113,0.073], g[1.243,0.124]
2/2 [=====] - 0s 58ms/step
>457, dr[0.523,0.607], df[0.278,0.263], g[0.649,0.178]
2/2 [=====] - 0s 57ms/step
>458, dr[0.184,0.681], df[0.173,0.271], g[0.589,0.159]
2/2 [=====] - 0s 64ms/step
>459, dr[0.097,0.505], df[0.070,0.173], g[0.613,0.159]
2/2 [=====] - 0s 62ms/step
>460, dr[0.166,1.115], df[0.086,0.289], g[0.446,0.286]
2/2 [=====] - 0s 58ms/step
>461, dr[0.154,0.595], df[0.062,0.269], g[0.375,0.138]
2/2 [=====] - 0s 58ms/step
>462, dr[0.147,0.498], df[0.270,0.233], g[0.440,0.120]
2/2 [=====] - 0s 74ms/step
>463, dr[0.087,0.795], df[0.062,0.186], g[0.434,0.190]
2/2 [=====] - 0s 60ms/step
>464, dr[0.113,0.779], df[0.130,0.140], g[0.439,0.103]
2/2 [=====] - 0s 62ms/step
>465, dr[0.350,0.642], df[0.134,0.085], g[0.281,0.148]
2/2 [=====] - 0s 59ms/step
>466, dr[0.083,0.456], df[0.247,0.106], g[0.411,0.136]
2/2 [=====] - 0s 60ms/step
>467, dr[0.169,0.834], df[0.109,0.073], g[0.445,0.085]
2/2 [=====] - 0s 60ms/step
>468, dr[0.283,0.786], df[0.214,0.100], g[0.512,0.144]
4/4 [=====] - 0s 44ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0468.png and model_0468.h5
2/2 [=====] - 0s 69ms/step
>469, dr[0.294,0.766], df[0.305,0.034], g[0.393,0.133]
2/2 [=====] - 0s 67ms/step
>470, dr[0.159,0.961], df[0.411,0.029], g[0.783,0.105]
2/2 [=====] - 0s 69ms/step
>471, dr[0.428,0.836], df[0.317,0.078], g[0.633,0.201]
2/2 [=====] - 0s 69ms/step
>472, dr[0.427,0.937], df[0.182,0.055], g[0.484,0.198]
2/2 [=====] - 0s 83ms/step
>473, dr[0.292,0.601], df[0.496,0.049], g[0.511,0.153]
2/2 [=====] - 0s 70ms/step
>474, dr[0.401,0.567], df[0.679,0.047], g[1.043,0.296]
2/2 [=====] - 0s 70ms/step
>475, dr[0.823,1.053], df[0.336,0.033], g[0.896,0.159]
2/2 [=====] - 0s 70ms/step
>476, dr[0.867,0.877], df[0.987,0.050], g[1.112,0.204]
2/2 [=====] - 0s 69ms/step
>477, dr[0.475,0.971], df[0.777,0.069], g[2.407,0.171]
2/2 [=====] - 0s 89ms/step
```

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>478, dr[1.187,1.108], df[0.482,0.081], g[1.395,0.169]
2/2 [=====] - 0s 70ms/step
>479, dr[0.514,0.436], df[0.731,0.069], g[1.783,0.220]
2/2 [=====] - 0s 79ms/step
>480, dr[0.852,0.744], df[0.724,0.100], g[1.432,0.270]
2/2 [=====] - 0s 77ms/step
>481, dr[0.751,1.005], df[0.517,0.106], g[1.260,0.225]
2/2 [=====] - 0s 68ms/step
>482, dr[0.606,0.766], df[0.590,0.059], g[1.041,0.256]
2/2 [=====] - 0s 66ms/step
>483, dr[0.430,0.859], df[0.470,0.162], g[1.111,0.209]
2/2 [=====] - 0s 67ms/step
>484, dr[1.011,0.624], df[0.911,0.119], g[1.121,0.197]
2/2 [=====] - 0s 78ms/step
>485, dr[0.512,0.530], df[0.646,0.072], g[1.355,0.233]
2/2 [=====] - 0s 70ms/step
>486, dr[0.835,0.848], df[0.821,0.130], g[1.434,0.194]
2/2 [=====] - 0s 68ms/step
>487, dr[1.105,0.844], df[1.167,0.098], g[2.078,0.281]
2/2 [=====] - 0s 77ms/step
>488, dr[0.398,0.601], df[0.465,0.289], g[2.919,0.362]
2/2 [=====] - 0s 75ms/step
>489, dr[0.870,0.765], df[0.515,0.183], g[2.686,0.207]
2/2 [=====] - 0s 69ms/step
>490, dr[0.489,0.623], df[0.861,0.163], g[2.651,0.229]
2/2 [=====] - 0s 64ms/step
>491, dr[0.614,0.784], df[0.294,0.123], g[2.091,0.260]
2/2 [=====] - 0s 65ms/step
>492, dr[0.818,0.681], df[0.790,0.082], g[1.390,0.269]
2/2 [=====] - 0s 68ms/step
>493, dr[0.522,0.566], df[0.757,0.101], g[1.757,0.220]
2/2 [=====] - 0s 75ms/step
>494, dr[0.487,0.328], df[0.233,0.194], g[1.559,0.102]
2/2 [=====] - 0s 75ms/step
>495, dr[0.316,0.552], df[0.466,0.155], g[1.309,0.279]
2/2 [=====] - 0s 71ms/step
>496, dr[0.437,0.362], df[0.467,0.158], g[1.621,0.211]
2/2 [=====] - 0s 76ms/step
>497, dr[0.407,0.816], df[0.789,0.201], g[1.807,0.173]
2/2 [=====] - 0s 73ms/step
>498, dr[0.677,0.756], df[0.505,0.088], g[1.360,0.281]
2/2 [=====] - 0s 82ms/step
>499, dr[0.476,0.798], df[0.842,0.192], g[1.714,0.234]
2/2 [=====] - 0s 79ms/step
>500, dr[0.680,0.661], df[0.417,0.155], g[1.663,0.280]
2/2 [=====] - 0s 81ms/step
>501, dr[0.687,0.586], df[1.055,0.148], g[1.917,0.284]
2/2 [=====] - 0s 76ms/step
>502, dr[0.882,0.728], df[0.684,0.146], g[2.073,0.339]
2/2 [=====] - 0s 77ms/step
>503, dr[0.551,0.724], df[0.474,0.256], g[1.831,0.347]
2/2 [=====] - 0s 75ms/step
>504, dr[0.806,0.739], df[0.776,0.208], g[1.817,0.270]
2/2 [=====] - 0s 80ms/step
>505, dr[0.517,0.695], df[0.467,0.161], g[2.108,0.202]
2/2 [=====] - 0s 83ms/step
>506, dr[0.747,1.007], df[0.780,0.307], g[2.024,0.249]
2/2 [=====] - 0s 84ms/step
>507, dr[0.837,0.631], df[0.632,0.217], g[1.898,0.216]
2/2 [=====] - 0s 73ms/step
```

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>508, dr[0.685,0.754], df[0.807,0.244], g[1.958,0.229]
2/2 [=====] - 0s 73ms/step
>509, dr[0.783,0.796], df[0.879,0.095], g[2.159,0.150]
2/2 [=====] - 0s 69ms/step
>510, dr[1.095,0.700], df[0.708,0.184], g[2.145,0.160]
2/2 [=====] - 0s 85ms/step
>511, dr[0.711,0.721], df[0.443,0.201], g[1.907,0.176]
2/2 [=====] - 0s 70ms/step
>512, dr[0.526,0.748], df[0.642,0.111], g[2.542,0.188]
2/2 [=====] - 0s 75ms/step
>513, dr[0.646,0.671], df[0.438,0.170], g[2.532,0.213]
2/2 [=====] - 0s 72ms/step
>514, dr[0.674,0.576], df[0.382,0.100], g[2.292,0.172]
2/2 [=====] - 0s 93ms/step
>515, dr[0.400,0.590], df[0.442,0.433], g[2.391,0.167]
2/2 [=====] - 0s 69ms/step
>516, dr[0.422,0.629], df[0.390,0.279], g[2.403,0.190]
2/2 [=====] - 0s 68ms/step
>517, dr[0.526,0.901], df[0.321,0.194], g[1.973,0.226]
2/2 [=====] - 0s 71ms/step
>518, dr[0.397,0.877], df[0.665,0.437], g[1.792,0.141]
2/2 [=====] - 0s 62ms/step
>519, dr[0.535,0.663], df[0.483,0.313], g[1.885,0.193]
2/2 [=====] - 0s 67ms/step
>520, dr[0.519,0.852], df[0.506,0.175], g[1.925,0.272]
2/2 [=====] - 0s 74ms/step
>521, dr[0.551,0.902], df[0.587,0.204], g[1.360,0.318]
2/2 [=====] - 0s 76ms/step
>522, dr[0.559,0.589], df[0.363,0.391], g[1.113,0.205]
2/2 [=====] - 0s 138ms/step
>523, dr[0.432,0.803], df[0.946,0.142], g[1.540,0.372]
2/2 [=====] - 0s 69ms/step
>524, dr[0.763,0.552], df[0.633,0.306], g[1.469,0.185]
2/2 [=====] - 0s 74ms/step
>525, dr[0.627,0.863], df[0.753,0.252], g[1.364,0.186]
2/2 [=====] - 0s 67ms/step
>526, dr[0.766,0.806], df[0.889,0.267], g[1.415,0.300]
2/2 [=====] - 0s 63ms/step
>527, dr[0.707,1.100], df[0.651,0.218], g[1.404,0.293]
2/2 [=====] - 0s 64ms/step
>528, dr[0.788,0.671], df[0.801,0.136], g[1.699,0.248]
2/2 [=====] - 0s 67ms/step
>529, dr[0.358,0.863], df[0.609,0.302], g[2.288,0.212]
2/2 [=====] - 0s 64ms/step
>530, dr[1.051,0.779], df[0.593,0.181], g[1.754,0.210]
2/2 [=====] - 0s 66ms/step
>531, dr[0.654,0.609], df[0.435,0.179], g[1.772,0.293]
2/2 [=====] - 0s 65ms/step
>532, dr[0.358,0.666], df[0.517,0.300], g[1.876,0.197]
2/2 [=====] - 0s 63ms/step
>533, dr[0.668,0.842], df[0.394,0.198], g[1.469,0.245]
2/2 [=====] - 0s 69ms/step
>534, dr[0.488,0.658], df[0.515,0.114], g[1.627,0.207]
2/2 [=====] - 0s 62ms/step
>535, dr[0.422,1.225], df[0.452,0.150], g[2.027,0.138]
2/2 [=====] - 0s 59ms/step
>536, dr[0.597,0.724], df[0.261,0.161], g[1.850,0.127]
2/2 [=====] - 0s 67ms/step
>537, dr[0.460,0.677], df[0.840,0.183], g[1.662,0.251]
2/2 [=====] - 0s 66ms/step
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>538, dr[0.606,0.388], df[0.659,0.130], g[1.708,0.236]
2/2 [=====] - 0s 70ms/step
>539, dr[0.630,0.686], df[0.593,0.212], g[1.817,0.277]
2/2 [=====] - 0s 62ms/step
>540, dr[0.622,1.027], df[0.722,0.119], g[1.720,0.215]
2/2 [=====] - 0s 73ms/step
>541, dr[0.778,0.535], df[0.779,0.162], g[1.942,0.099]
2/2 [=====] - 0s 70ms/step
>542, dr[0.666,0.594], df[0.565,0.186], g[2.219,0.162]
2/2 [=====] - 0s 69ms/step
>543, dr[0.693,0.719], df[0.598,0.144], g[1.874,0.176]
2/2 [=====] - 0s 63ms/step
>544, dr[0.644,1.200], df[0.510,0.264], g[1.523,0.179]
2/2 [=====] - 0s 61ms/step
>545, dr[0.465,0.739], df[0.536,0.093], g[1.874,0.147]
2/2 [=====] - 0s 71ms/step
>546, dr[0.412,0.626], df[0.313,0.147], g[2.256,0.202]
2/2 [=====] - 0s 68ms/step
>547, dr[0.535,0.786], df[0.463,0.224], g[1.914,0.179]
2/2 [=====] - 0s 76ms/step
>548, dr[0.513,0.629], df[0.299,0.295], g[1.837,0.124]
2/2 [=====] - 0s 63ms/step
>549, dr[0.578,0.825], df[0.538,0.106], g[1.436,0.191]
2/2 [=====] - 0s 64ms/step
>550, dr[0.495,0.867], df[0.741,0.156], g[1.683,0.159]
2/2 [=====] - 0s 88ms/step
>551, dr[0.399,0.797], df[0.317,0.142], g[1.815,0.128]
2/2 [=====] - 0s 66ms/step
>552, dr[0.606,0.738], df[0.530,0.093], g[2.212,0.165]
2/2 [=====] - 0s 73ms/step
>553, dr[0.883,0.708], df[0.553,0.085], g[1.590,0.220]
2/2 [=====] - 0s 71ms/step
>554, dr[0.433,0.564], df[0.629,0.141], g[2.093,0.214]
2/2 [=====] - 0s 66ms/step
>555, dr[0.531,0.932], df[0.631,0.230], g[2.281,0.209]
2/2 [=====] - 0s 64ms/step
>556, dr[0.473,0.791], df[0.326,0.143], g[2.008,0.225]
2/2 [=====] - 0s 61ms/step
>557, dr[0.652,0.473], df[0.546,0.128], g[1.893,0.277]
2/2 [=====] - 0s 78ms/step
>558, dr[0.445,0.845], df[0.624,0.174], g[2.131,0.177]
2/2 [=====] - 0s 79ms/step
>559, dr[0.579,0.773], df[0.554,0.106], g[2.126,0.083]
2/2 [=====] - 0s 67ms/step
>560, dr[0.461,0.429], df[0.473,0.095], g[2.019,0.185]
2/2 [=====] - 0s 63ms/step
>561, dr[0.438,0.752], df[0.391,0.039], g[2.366,0.137]
2/2 [=====] - 0s 59ms/step
>562, dr[0.600,0.880], df[0.391,0.059], g[2.079,0.128]
2/2 [=====] - 0s 65ms/step
>563, dr[0.523,0.801], df[0.514,0.168], g[1.902,0.077]
2/2 [=====] - 0s 64ms/step
>564, dr[0.403,0.848], df[0.310,0.177], g[2.150,0.179]
2/2 [=====] - 0s 67ms/step
>565, dr[0.382,0.418], df[0.399,0.062], g[2.135,0.148]
2/2 [=====] - 0s 70ms/step
>566, dr[0.591,0.506], df[0.574,0.099], g[2.074,0.075]
2/2 [=====] - 0s 66ms/step
>567, dr[0.449,0.953], df[0.390,0.087], g[2.328,0.178]
2/2 [=====] - 0s 66ms/step
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>568, dr[0.578,0.639], df[0.387,0.164], g[1.911,0.123]
2/2 [=====] - 0s 67ms/step
>569, dr[0.469,0.739], df[0.529,0.117], g[2.031,0.176]
2/2 [=====] - 0s 66ms/step
>570, dr[0.341,0.826], df[0.429,0.100], g[2.000,0.125]
2/2 [=====] - 0s 69ms/step
>571, dr[0.547,0.554], df[0.489,0.133], g[1.832,0.207]
2/2 [=====] - 0s 62ms/step
>572, dr[0.495,0.802], df[0.488,0.084], g[1.615,0.181]
2/2 [=====] - 0s 71ms/step
>573, dr[0.491,0.767], df[0.680,0.219], g[1.794,0.277]
2/2 [=====] - 0s 64ms/step
>574, dr[0.508,0.581], df[0.362,0.168], g[2.350,0.146]
2/2 [=====] - 0s 65ms/step
>575, dr[0.552,0.645], df[0.407,0.128], g[1.917,0.110]
2/2 [=====] - 0s 56ms/step
>576, dr[0.401,0.680], df[0.605,0.087], g[1.749,0.138]
2/2 [=====] - 0s 60ms/step
>577, dr[0.472,0.640], df[0.614,0.048], g[2.349,0.109]
2/2 [=====] - 0s 60ms/step
>578, dr[0.576,0.595], df[0.705,0.127], g[2.730,0.110]
2/2 [=====] - 0s 64ms/step
>579, dr[0.782,0.803], df[0.487,0.260], g[2.459,0.096]
2/2 [=====] - 0s 59ms/step
>580, dr[0.513,0.641], df[0.345,0.085], g[2.201,0.093]
2/2 [=====] - 0s 61ms/step
>581, dr[0.326,0.503], df[0.341,0.077], g[2.250,0.110]
2/2 [=====] - 0s 64ms/step
>582, dr[0.564,0.554], df[0.295,0.148], g[1.842,0.091]
2/2 [=====] - 0s 59ms/step
>583, dr[0.532,0.845], df[0.509,0.152], g[1.761,0.140]
2/2 [=====] - 0s 63ms/step
>584, dr[0.242,0.794], df[0.667,0.088], g[2.504,0.140]
2/2 [=====] - 0s 69ms/step
>585, dr[0.656,0.552], df[0.364,0.082], g[2.411,0.171]
2/2 [=====] - 0s 61ms/step
>586, dr[0.575,0.657], df[0.430,0.149], g[2.055,0.145]
2/2 [=====] - 0s 61ms/step
>587, dr[0.646,1.124], df[0.577,0.129], g[2.007,0.102]
2/2 [=====] - 0s 66ms/step
>588, dr[0.320,1.097], df[0.417,0.121], g[2.274,0.206]
2/2 [=====] - 0s 65ms/step
>589, dr[0.859,0.737], df[0.360,0.075], g[1.956,0.161]
2/2 [=====] - 0s 62ms/step
>590, dr[0.458,0.529], df[0.421,0.077], g[1.902,0.149]
2/2 [=====] - 0s 61ms/step
>591, dr[0.262,0.521], df[0.425,0.079], g[2.280,0.109]
2/2 [=====] - 0s 66ms/step
>592, dr[0.628,0.671], df[0.414,0.190], g[1.764,0.193]
2/2 [=====] - 0s 62ms/step
>593, dr[0.279,0.667], df[0.529,0.183], g[2.440,0.180]
2/2 [=====] - 0s 66ms/step
>594, dr[0.600,0.867], df[0.390,0.111], g[2.150,0.137]
2/2 [=====] - 0s 66ms/step
>595, dr[0.603,0.858], df[0.744,0.252], g[1.906,0.090]
2/2 [=====] - 0s 69ms/step
>596, dr[0.350,0.538], df[0.540,0.210], g[2.067,0.172]
2/2 [=====] - 0s 64ms/step
>597, dr[0.654,0.583], df[0.499,0.197], g[2.130,0.130]
2/2 [=====] - 0s 64ms/step
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>598, dr[0.393,0.875], df[0.473,0.134], g[1.813,0.214]
2/2 [=====] - 0s 69ms/step
>599, dr[0.435,0.779], df[0.637,0.163], g[2.258,0.245]
2/2 [=====] - 0s 71ms/step
>600, dr[0.526,0.744], df[0.497,0.175], g[2.695,0.217]
2/2 [=====] - 0s 64ms/step
>601, dr[0.907,0.701], df[0.363,0.193], g[2.037,0.180]
2/2 [=====] - 0s 66ms/step
>602, dr[0.436,0.453], df[0.699,0.218], g[2.220,0.186]
2/2 [=====] - 0s 63ms/step
>603, dr[0.520,0.827], df[0.432,0.156], g[2.265,0.107]
2/2 [=====] - 0s 57ms/step
>604, dr[0.572,0.664], df[0.342,0.169], g[2.006,0.112]
2/2 [=====] - 0s 64ms/step
>605, dr[0.478,0.461], df[0.689,0.158], g[2.442,0.174]
2/2 [=====] - 0s 60ms/step
>606, dr[0.637,0.754], df[0.286,0.109], g[2.526,0.152]
2/2 [=====] - 0s 61ms/step
>607, dr[0.511,0.667], df[0.457,0.120], g[1.972,0.160]
2/2 [=====] - 0s 64ms/step
>608, dr[0.614,1.012], df[0.639,0.175], g[1.821,0.132]
2/2 [=====] - 0s 61ms/step
>609, dr[0.150,0.725], df[0.471,0.266], g[2.311,0.140]
2/2 [=====] - 0s 63ms/step
>610, dr[0.475,0.724], df[0.306,0.148], g[2.316,0.172]
2/2 [=====] - 0s 64ms/step
>611, dr[0.595,0.770], df[0.329,0.075], g[1.954,0.157]
2/2 [=====] - 0s 63ms/step
>612, dr[0.336,0.515], df[0.575,0.120], g[2.006,0.220]
2/2 [=====] - 0s 69ms/step
>613, dr[0.389,0.423], df[0.556,0.199], g[2.175,0.201]
2/2 [=====] - 0s 65ms/step
>614, dr[0.439,0.694], df[0.543,0.273], g[2.056,0.122]
2/2 [=====] - 0s 62ms/step
>615, dr[0.523,0.685], df[0.508,0.160], g[2.216,0.142]
2/2 [=====] - 0s 64ms/step
>616, dr[0.277,0.712], df[0.549,0.112], g[2.400,0.187]
2/2 [=====] - 0s 96ms/step
>617, dr[0.695,0.590], df[0.339,0.057], g[1.954,0.182]
2/2 [=====] - 0s 74ms/step
>618, dr[0.468,0.691], df[0.584,0.091], g[2.566,0.104]
2/2 [=====] - 0s 237ms/step
>619, dr[0.672,0.661], df[0.471,0.105], g[2.308,0.131]
2/2 [=====] - 0s 204ms/step
>620, dr[0.435,0.527], df[0.404,0.096], g[2.469,0.160]
2/2 [=====] - 0s 115ms/step
>621, dr[0.557,0.559], df[0.414,0.092], g[2.586,0.185]
2/2 [=====] - 1s 343ms/step
>622, dr[0.663,0.859], df[0.304,0.110], g[1.910,0.176]
2/2 [=====] - 0s 81ms/step
>623, dr[0.357,0.613], df[0.438,0.144], g[2.520,0.112]
2/2 [=====] - 0s 131ms/step
>624, dr[0.476,0.495], df[0.422,0.134], g[2.479,0.139]
2/2 [=====] - 0s 126ms/step
>625, dr[0.456,1.052], df[0.387,0.133], g[2.362,0.124]
2/2 [=====] - 0s 103ms/step
>626, dr[0.291,0.577], df[0.346,0.046], g[2.507,0.069]
2/2 [=====] - 0s 76ms/step
>627, dr[0.375,0.621], df[0.409,0.028], g[2.460,0.149]
2/2 [=====] - 0s 85ms/step
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>628, dr[0.465,0.602], df[0.412,0.134], g[2.112,0.150]
2/2 [=====] - 0s 109ms/step
>629, dr[0.455,0.687], df[0.495,0.071], g[2.108,0.060]
2/2 [=====] - 0s 97ms/step
>630, dr[0.255,0.566], df[0.505,0.122], g[2.380,0.079]
2/2 [=====] - 0s 69ms/step
>631, dr[0.396,0.808], df[0.279,0.116], g[2.307,0.067]
2/2 [=====] - 0s 66ms/step
>632, dr[0.508,0.773], df[0.644,0.094], g[2.519,0.120]
2/2 [=====] - 0s 81ms/step
>633, dr[0.496,0.888], df[0.409,0.072], g[2.218,0.093]
2/2 [=====] - 0s 60ms/step
>634, dr[0.432,0.831], df[0.344,0.087], g[2.134,0.076]
2/2 [=====] - 0s 85ms/step
>635, dr[0.357,0.510], df[0.465,0.101], g[1.950,0.124]
2/2 [=====] - 0s 88ms/step
>636, dr[0.492,0.578], df[0.518,0.109], g[2.478,0.217]
2/2 [=====] - 0s 72ms/step
>637, dr[0.490,0.726], df[0.189,0.083], g[2.562,0.100]
2/2 [=====] - 0s 69ms/step
>638, dr[0.356,0.929], df[0.413,0.060], g[2.035,0.152]
2/2 [=====] - 0s 70ms/step
>639, dr[0.392,0.606], df[0.271,0.090], g[2.420,0.082]
2/2 [=====] - 0s 74ms/step
>640, dr[0.421,0.818], df[0.454,0.091], g[2.168,0.112]
2/2 [=====] - 0s 85ms/step
>641, dr[0.235,0.704], df[0.325,0.056], g[2.357,0.110]
2/2 [=====] - 0s 66ms/step
>642, dr[0.541,0.730], df[0.453,0.106], g[1.989,0.180]
2/2 [=====] - 0s 66ms/step
>643, dr[0.449,0.763], df[0.500,0.086], g[1.905,0.146]
2/2 [=====] - 0s 89ms/step
>644, dr[0.553,0.682], df[0.332,0.090], g[1.888,0.070]
2/2 [=====] - 0s 67ms/step
>645, dr[0.231,0.575], df[0.531,0.085], g[2.570,0.131]
2/2 [=====] - 0s 70ms/step
>646, dr[0.528,0.595], df[0.329,0.078], g[2.074,0.095]
2/2 [=====] - 0s 71ms/step
>647, dr[0.536,0.589], df[0.369,0.054], g[2.143,0.119]
2/2 [=====] - 0s 70ms/step
>648, dr[0.328,0.874], df[0.415,0.107], g[2.102,0.200]
2/2 [=====] - 0s 70ms/step
>649, dr[0.510,0.467], df[0.591,0.190], g[2.188,0.106]
2/2 [=====] - 0s 69ms/step
>650, dr[0.386,0.922], df[0.380,0.134], g[2.509,0.085]
2/2 [=====] - 0s 72ms/step
>651, dr[0.419,0.522], df[0.267,0.093], g[2.392,0.101]
2/2 [=====] - 0s 67ms/step
>652, dr[0.276,0.694], df[0.313,0.077], g[2.416,0.122]
2/2 [=====] - 0s 65ms/step
>653, dr[0.270,0.620], df[0.303,0.217], g[2.300,0.142]
2/2 [=====] - 0s 80ms/step
>654, dr[0.466,0.569], df[0.197,0.095], g[1.819,0.124]
2/2 [=====] - 0s 67ms/step
>655, dr[0.370,0.650], df[0.460,0.034], g[1.969,0.098]
2/2 [=====] - 0s 65ms/step
>656, dr[0.319,1.064], df[0.422,0.124], g[2.264,0.113]
2/2 [=====] - 0s 70ms/step
>657, dr[0.476,0.707], df[0.339,0.060], g[2.252,0.107]
2/2 [=====] - 0s 68ms/step
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>658, dr[0.487,0.883], df[0.554,0.220], g[2.289,0.171]
2/2 [=====] - 0s 70ms/step
>659, dr[0.393,0.735], df[0.544,0.090], g[2.170,0.154]
2/2 [=====] - 0s 97ms/step
>660, dr[0.442,0.550], df[0.359,0.175], g[2.461,0.142]
2/2 [=====] - 0s 84ms/step
>661, dr[0.564,0.574], df[0.538,0.082], g[1.813,0.077]
2/2 [=====] - 0s 71ms/step
>662, dr[0.469,0.804], df[0.593,0.119], g[2.425,0.139]
2/2 [=====] - 0s 71ms/step
>663, dr[0.481,0.550], df[0.290,0.078], g[2.729,0.091]
2/2 [=====] - 0s 82ms/step
>664, dr[0.604,0.937], df[0.595,0.129], g[2.414,0.124]
2/2 [=====] - 0s 66ms/step
>665, dr[0.342,0.566], df[0.376,0.105], g[2.518,0.121]
2/2 [=====] - 0s 67ms/step
>666, dr[0.422,0.918], df[0.322,0.123], g[2.083,0.185]
2/2 [=====] - 0s 68ms/step
>667, dr[0.405,0.756], df[0.478,0.110], g[2.287,0.096]
2/2 [=====] - 0s 64ms/step
>668, dr[0.517,0.884], df[0.446,0.084], g[2.134,0.147]
2/2 [=====] - 0s 66ms/step
>669, dr[0.358,0.509], df[0.383,0.165], g[2.107,0.155]
2/2 [=====] - 0s 69ms/step
>670, dr[0.453,0.851], df[0.454,0.155], g[2.313,0.155]
2/2 [=====] - 0s 73ms/step
>671, dr[0.508,0.457], df[0.318,0.057], g[2.042,0.143]
2/2 [=====] - 0s 77ms/step
>672, dr[0.217,0.800], df[0.417,0.168], g[2.795,0.101]
2/2 [=====] - 0s 69ms/step
>673, dr[0.466,0.912], df[0.347,0.108], g[2.414,0.136]
2/2 [=====] - 0s 70ms/step
>674, dr[0.520,0.720], df[0.412,0.226], g[1.908,0.202]
2/2 [=====] - 0s 68ms/step
>675, dr[0.279,0.778], df[0.657,0.149], g[2.381,0.082]
2/2 [=====] - 0s 79ms/step
>676, dr[0.372,0.612], df[0.356,0.156], g[2.549,0.087]
2/2 [=====] - 0s 67ms/step
>677, dr[0.522,0.717], df[0.404,0.160], g[2.070,0.112]
2/2 [=====] - 0s 67ms/step
>678, dr[0.317,0.483], df[0.456,0.183], g[2.511,0.090]
2/2 [=====] - 0s 65ms/step
>679, dr[0.626,0.721], df[0.398,0.146], g[2.042,0.179]
2/2 [=====] - 0s 84ms/step
>680, dr[0.490,0.740], df[0.447,0.099], g[2.352,0.112]
2/2 [=====] - 0s 72ms/step
>681, dr[0.423,0.301], df[0.431,0.116], g[2.267,0.135]
2/2 [=====] - 0s 76ms/step
>682, dr[0.506,0.434], df[0.733,0.100], g[2.656,0.161]
2/2 [=====] - 0s 68ms/step
>683, dr[0.633,0.584], df[0.300,0.214], g[2.077,0.245]
2/2 [=====] - 0s 78ms/step
>684, dr[0.482,0.874], df[0.510,0.124], g[1.785,0.093]
2/2 [=====] - 0s 86ms/step
>685, dr[0.283,0.412], df[0.453,0.152], g[1.835,0.132]
2/2 [=====] - 0s 69ms/step
>686, dr[0.568,0.632], df[0.527,0.167], g[1.917,0.121]
2/2 [=====] - 0s 72ms/step
>687, dr[0.277,0.608], df[0.374,0.183], g[1.881,0.079]
2/2 [=====] - 0s 66ms/step
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>688, dr[0.313,0.543], df[0.187,0.114], g[2.020,0.121]
2/2 [=====] - 0s 70ms/step
>689, dr[0.297,0.669], df[0.343,0.111], g[1.867,0.154]
2/2 [=====] - 0s 72ms/step
>690, dr[0.252,0.565], df[0.343,0.111], g[1.794,0.168]
2/2 [=====] - 0s 75ms/step
>691, dr[0.395,0.642], df[0.402,0.296], g[2.025,0.195]
2/2 [=====] - 0s 71ms/step
>692, dr[0.364,0.579], df[0.513,0.168], g[2.242,0.187]
2/2 [=====] - 0s 77ms/step
>693, dr[0.537,0.898], df[0.432,0.141], g[2.113,0.181]
2/2 [=====] - 0s 88ms/step
>694, dr[0.422,0.389], df[0.406,0.077], g[2.282,0.147]
2/2 [=====] - 0s 71ms/step
>695, dr[0.388,0.577], df[0.879,0.112], g[3.125,0.138]
2/2 [=====] - 0s 73ms/step
>696, dr[0.709,0.562], df[0.244,0.164], g[2.532,0.139]
2/2 [=====] - 0s 83ms/step
>697, dr[0.426,0.639], df[0.383,0.093], g[2.295,0.126]
2/2 [=====] - 0s 65ms/step
>698, dr[0.380,0.677], df[0.421,0.172], g[2.513,0.098]
2/2 [=====] - 0s 72ms/step
>699, dr[0.427,0.651], df[0.245,0.193], g[2.172,0.217]
2/2 [=====] - 0s 69ms/step
>700, dr[0.434,0.431], df[0.453,0.151], g[2.239,0.171]
2/2 [=====] - 0s 69ms/step
>701, dr[0.359,0.671], df[0.469,0.084], g[2.033,0.096]
2/2 [=====] - 0s 62ms/step
>702, dr[0.422,0.740], df[0.607,0.128], g[2.534,0.129]
2/2 [=====] - 0s 76ms/step
>703, dr[0.400,0.421], df[0.560,0.139], g[2.830,0.139]
2/2 [=====] - 0s 68ms/step
>704, dr[0.817,0.900], df[0.595,0.138], g[2.179,0.144]
2/2 [=====] - 0s 78ms/step
>705, dr[0.240,0.582], df[0.328,0.203], g[2.053,0.194]
2/2 [=====] - 0s 74ms/step
>706, dr[0.257,0.758], df[0.327,0.199], g[2.439,0.149]
2/2 [=====] - 0s 69ms/step
>707, dr[0.464,0.820], df[0.479,0.120], g[2.340,0.152]
2/2 [=====] - 0s 68ms/step
>708, dr[0.440,0.774], df[0.511,0.105], g[2.767,0.128]
2/2 [=====] - 0s 70ms/step
>709, dr[0.631,0.664], df[0.414,0.146], g[1.989,0.263]
2/2 [=====] - 0s 66ms/step
>710, dr[0.310,0.719], df[0.338,0.120], g[2.341,0.143]
2/2 [=====] - 0s 72ms/step
>711, dr[0.391,1.058], df[0.299,0.269], g[2.173,0.137]
2/2 [=====] - 0s 66ms/step
>712, dr[0.378,0.529], df[0.369,0.116], g[2.768,0.131]
2/2 [=====] - 0s 68ms/step
>713, dr[0.490,0.651], df[0.293,0.114], g[2.376,0.178]
2/2 [=====] - 0s 67ms/step
>714, dr[0.660,0.493], df[0.891,0.136], g[2.195,0.143]
2/2 [=====] - 0s 64ms/step
>715, dr[0.309,0.532], df[0.325,0.190], g[2.620,0.091]
2/2 [=====] - 0s 69ms/step
>716, dr[0.625,0.983], df[0.571,0.086], g[1.976,0.081]
2/2 [=====] - 0s 66ms/step
>717, dr[0.492,0.347], df[0.657,0.077], g[2.476,0.109]
2/2 [=====] - 0s 62ms/step
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>718, dr[0.546,0.696], df[0.556,0.089], g[1.999,0.075]
2/2 [=====] - 0s 65ms/step
>719, dr[0.421,0.523], df[0.462,0.147], g[2.009,0.109]
2/2 [=====] - 0s 67ms/step
>720, dr[0.525,0.602], df[0.528,0.051], g[1.840,0.064]
2/2 [=====] - 0s 66ms/step
>721, dr[0.472,0.695], df[0.509,0.099], g[1.705,0.119]
2/2 [=====] - 0s 67ms/step
>722, dr[0.681,0.611], df[0.634,0.075], g[1.948,0.072]
2/2 [=====] - 0s 72ms/step
>723, dr[0.442,0.505], df[0.343,0.062], g[2.210,0.096]
2/2 [=====] - 0s 67ms/step
>724, dr[0.514,0.594], df[0.360,0.041], g[2.307,0.155]
2/2 [=====] - 0s 65ms/step
>725, dr[0.649,0.714], df[0.564,0.209], g[2.379,0.134]
2/2 [=====] - 0s 61ms/step
>726, dr[0.687,0.620], df[0.338,0.068], g[2.182,0.123]
2/2 [=====] - 0s 66ms/step
>727, dr[0.527,0.639], df[0.646,0.084], g[1.826,0.106]
2/2 [=====] - 0s 69ms/step
>728, dr[0.488,0.880], df[0.677,0.157], g[2.154,0.128]
2/2 [=====] - 0s 68ms/step
>729, dr[0.653,0.826], df[0.479,0.154], g[1.851,0.083]
2/2 [=====] - 0s 68ms/step
>730, dr[0.433,0.682], df[0.552,0.130], g[2.097,0.074]
2/2 [=====] - 0s 67ms/step
>731, dr[0.436,0.537], df[0.555,0.115], g[2.142,0.077]
2/2 [=====] - 0s 69ms/step
>732, dr[0.476,0.584], df[0.356,0.245], g[2.091,0.075]
2/2 [=====] - 0s 75ms/step
>733, dr[0.425,0.855], df[0.572,0.163], g[1.664,0.114]
2/2 [=====] - 0s 69ms/step
>734, dr[0.465,0.640], df[0.438,0.200], g[1.799,0.082]
2/2 [=====] - 0s 64ms/step
>735, dr[0.403,0.564], df[0.366,0.070], g[1.582,0.101]
2/2 [=====] - 0s 69ms/step
>736, dr[0.570,1.157], df[1.049,0.116], g[2.473,0.118]
2/2 [=====] - 0s 67ms/step
>737, dr[0.801,0.833], df[0.561,0.127], g[2.062,0.103]
2/2 [=====] - 0s 67ms/step
>738, dr[0.519,1.123], df[0.573,0.166], g[2.436,0.144]
2/2 [=====] - 0s 67ms/step
>739, dr[0.609,0.972], df[0.286,0.206], g[2.580,0.135]
2/2 [=====] - 0s 70ms/step
>740, dr[0.609,0.685], df[0.566,0.133], g[1.933,0.131]
2/2 [=====] - 0s 70ms/step
>741, dr[0.660,0.807], df[0.585,0.168], g[1.892,0.087]
2/2 [=====] - 0s 67ms/step
>742, dr[0.464,0.790], df[0.603,0.238], g[2.011,0.053]
2/2 [=====] - 0s 67ms/step
>743, dr[0.476,0.612], df[0.581,0.221], g[2.024,0.099]
2/2 [=====] - 0s 65ms/step
>744, dr[0.388,0.427], df[0.433,0.119], g[1.975,0.118]
2/2 [=====] - 0s 78ms/step
>745, dr[0.542,1.061], df[0.523,0.178], g[1.637,0.103]
2/2 [=====] - 0s 73ms/step
>746, dr[0.561,0.599], df[0.567,0.262], g[1.594,0.163]
2/2 [=====] - 0s 80ms/step
>747, dr[0.426,1.064], df[0.490,0.199], g[1.804,0.062]
2/2 [=====] - 0s 62ms/step
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>748, dr[0.511,0.571], df[0.477,0.174], g[1.657,0.146]
2/2 [=====] - 0s 76ms/step
>749, dr[0.550,0.726], df[0.337,0.131], g[1.691,0.065]
2/2 [=====] - 0s 67ms/step
>750, dr[0.377,0.420], df[0.604,0.184], g[1.734,0.133]
2/2 [=====] - 0s 74ms/step
>751, dr[0.574,0.574], df[0.680,0.104], g[1.580,0.128]
2/2 [=====] - 0s 79ms/step
>752, dr[0.421,0.943], df[0.579,0.160], g[1.741,0.139]
2/2 [=====] - 0s 70ms/step
>753, dr[0.660,0.674], df[0.502,0.169], g[1.276,0.121]
2/2 [=====] - 0s 72ms/step
>754, dr[0.678,1.094], df[0.596,0.289], g[1.445,0.110]
2/2 [=====] - 0s 70ms/step
>755, dr[0.525,0.505], df[0.523,0.234], g[1.474,0.111]
2/2 [=====] - 0s 64ms/step
>756, dr[0.519,0.881], df[0.529,0.084], g[1.255,0.070]
2/2 [=====] - 0s 62ms/step
>757, dr[0.547,0.685], df[0.591,0.182], g[1.667,0.101]
2/2 [=====] - 0s 63ms/step
>758, dr[0.728,0.633], df[0.723,0.198], g[1.983,0.102]
2/2 [=====] - 0s 68ms/step
>759, dr[0.811,0.487], df[0.214,0.105], g[2.132,0.137]
2/2 [=====] - 0s 75ms/step
>760, dr[0.569,0.429], df[0.493,0.196], g[1.628,0.079]
2/2 [=====] - 0s 96ms/step
>761, dr[0.359,0.609], df[0.587,0.115], g[1.988,0.112]
2/2 [=====] - 0s 67ms/step
>762, dr[0.407,0.580], df[0.225,0.157], g[2.297,0.125]
2/2 [=====] - 0s 68ms/step
>763, dr[0.512,0.416], df[0.474,0.086], g[2.100,0.197]
2/2 [=====] - 0s 68ms/step
>764, dr[0.428,0.436], df[0.402,0.244], g[1.977,0.161]
2/2 [=====] - 0s 70ms/step
>765, dr[0.422,0.939], df[0.688,0.110], g[2.298,0.137]
2/2 [=====] - 0s 71ms/step
>766, dr[0.546,0.801], df[0.336,0.063], g[1.877,0.174]
2/2 [=====] - 0s 68ms/step
>767, dr[0.488,0.867], df[0.520,0.085], g[2.008,0.172]
2/2 [=====] - 0s 70ms/step
>768, dr[0.426,0.618], df[0.658,0.098], g[1.904,0.098]
2/2 [=====] - 0s 66ms/step
>769, dr[0.341,0.590], df[0.465,0.204], g[2.294,0.056]
2/2 [=====] - 0s 66ms/step
>770, dr[0.564,0.921], df[0.458,0.100], g[1.966,0.134]
2/2 [=====] - 0s 70ms/step
>771, dr[0.619,0.561], df[0.570,0.159], g[1.619,0.061]
2/2 [=====] - 0s 68ms/step
>772, dr[0.390,0.722], df[0.815,0.069], g[2.159,0.116]
2/2 [=====] - 0s 67ms/step
>773, dr[0.475,0.452], df[0.490,0.058], g[2.090,0.117]
2/2 [=====] - 0s 64ms/step
>774, dr[0.801,0.504], df[0.391,0.144], g[1.317,0.093]
2/2 [=====] - 0s 66ms/step
>775, dr[0.497,0.741], df[0.741,0.143], g[1.471,0.130]
2/2 [=====] - 0s 67ms/step
>776, dr[0.455,0.404], df[0.516,0.098], g[1.743,0.129]
2/2 [=====] - 0s 70ms/step
>777, dr[0.625,0.536], df[0.578,0.201], g[2.013,0.132]
2/2 [=====] - 0s 72ms/step
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>778, dr[0.475,0.530], df[0.437,0.109], g[1.785,0.126]
2/2 [=====] - 0s 63ms/step
>779, dr[0.472,0.625], df[0.671,0.127], g[2.305,0.122]
2/2 [=====] - 0s 67ms/step
>780, dr[0.806,1.005], df[0.296,0.102], g[1.612,0.074]
2/2 [=====] - 0s 60ms/step
>781, dr[0.407,0.633], df[0.552,0.177], g[1.659,0.105]
2/2 [=====] - 0s 60ms/step
>782, dr[0.322,0.591], df[0.404,0.149], g[1.852,0.148]
2/2 [=====] - 0s 62ms/step
>783, dr[0.519,0.746], df[0.410,0.076], g[1.938,0.099]
2/2 [=====] - 0s 63ms/step
>784, dr[0.558,0.756], df[0.664,0.098], g[1.953,0.137]
2/2 [=====] - 0s 62ms/step
>785, dr[0.541,0.883], df[0.390,0.069], g[2.077,0.116]
2/2 [=====] - 0s 63ms/step
>786, dr[0.424,0.520], df[0.484,0.168], g[1.459,0.118]
2/2 [=====] - 0s 60ms/step
>787, dr[0.420,0.631], df[0.741,0.227], g[1.989,0.131]
2/2 [=====] - 0s 62ms/step
>788, dr[0.560,0.576], df[0.503,0.094], g[1.798,0.036]
2/2 [=====] - 0s 64ms/step
>789, dr[0.541,0.897], df[0.607,0.131], g[1.998,0.091]
2/2 [=====] - 0s 66ms/step
>790, dr[0.565,0.755], df[0.601,0.061], g[1.756,0.173]
2/2 [=====] - 0s 65ms/step
>791, dr[0.439,1.109], df[0.510,0.116], g[1.911,0.053]
2/2 [=====] - 0s 66ms/step
>792, dr[0.646,0.539], df[0.655,0.130], g[2.152,0.078]
2/2 [=====] - 0s 64ms/step
>793, dr[0.762,0.979], df[0.490,0.144], g[2.292,0.080]
2/2 [=====] - 0s 62ms/step
>794, dr[0.683,0.905], df[0.477,0.126], g[1.547,0.115]
2/2 [=====] - 0s 65ms/step
>795, dr[0.545,0.387], df[0.550,0.128], g[2.073,0.164]
2/2 [=====] - 0s 65ms/step
>796, dr[0.481,0.627], df[0.592,0.182], g[2.095,0.147]
2/2 [=====] - 0s 62ms/step
>797, dr[0.481,0.825], df[0.414,0.227], g[2.335,0.110]
2/2 [=====] - 0s 62ms/step
>798, dr[0.554,0.364], df[0.519,0.165], g[1.768,0.116]
2/2 [=====] - 0s 69ms/step
>799, dr[0.472,0.755], df[0.676,0.109], g[1.978,0.042]
2/2 [=====] - 0s 63ms/step
>800, dr[0.644,0.786], df[0.421,0.109], g[1.533,0.100]
2/2 [=====] - 0s 62ms/step
>801, dr[0.464,0.644], df[0.757,0.205], g[1.436,0.084]
2/2 [=====] - 0s 71ms/step
>802, dr[0.599,0.632], df[0.584,0.112], g[1.737,0.104]
2/2 [=====] - 0s 67ms/step
>803, dr[0.732,0.639], df[0.855,0.095], g[1.788,0.072]
2/2 [=====] - 0s 69ms/step
>804, dr[0.779,0.719], df[0.722,0.157], g[1.622,0.063]
2/2 [=====] - 0s 66ms/step
>805, dr[0.527,0.987], df[0.374,0.232], g[1.854,0.073]
2/2 [=====] - 0s 65ms/step
>806, dr[0.813,0.816], df[0.844,0.164], g[1.693,0.141]
2/2 [=====] - 0s 68ms/step
>807, dr[0.574,0.806], df[0.550,0.053], g[2.270,0.104]
2/2 [=====] - 0s 62ms/step
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>808, dr[0.615,0.700], df[0.363,0.111], g[1.742,0.170]
2/2 [=====] - 0s 68ms/step
>809, dr[0.526,0.745], df[0.545,0.154], g[1.539,0.076]
2/2 [=====] - 0s 68ms/step
>810, dr[0.400,0.598], df[0.439,0.119], g[1.964,0.139]
2/2 [=====] - 0s 68ms/step
>811, dr[0.612,0.959], df[0.714,0.130], g[1.456,0.115]
2/2 [=====] - 0s 70ms/step
>812, dr[0.370,0.641], df[0.534,0.199], g[1.760,0.109]
2/2 [=====] - 0s 67ms/step
>813, dr[0.464,0.647], df[0.616,0.153], g[1.843,0.059]
2/2 [=====] - 0s 62ms/step
>814, dr[0.738,0.841], df[0.687,0.144], g[1.709,0.079]
2/2 [=====] - 0s 65ms/step
>815, dr[0.433,0.715], df[0.430,0.192], g[1.431,0.108]
2/2 [=====] - 0s 68ms/step
>816, dr[0.582,0.935], df[0.556,0.168], g[1.440,0.093]
2/2 [=====] - 0s 68ms/step
>817, dr[0.402,0.964], df[0.491,0.106], g[1.592,0.124]
2/2 [=====] - 0s 72ms/step
>818, dr[0.518,0.992], df[0.551,0.086], g[1.601,0.099]
2/2 [=====] - 0s 76ms/step
>819, dr[0.563,0.623], df[0.576,0.194], g[2.390,0.078]
2/2 [=====] - 0s 74ms/step
>820, dr[0.524,0.740], df[0.489,0.189], g[2.155,0.122]
2/2 [=====] - 0s 81ms/step
>821, dr[0.795,0.592], df[0.418,0.077], g[1.883,0.102]
2/2 [=====] - 0s 73ms/step
>822, dr[0.508,0.788], df[0.691,0.046], g[2.126,0.169]
2/2 [=====] - 0s 70ms/step
>823, dr[0.674,0.761], df[0.454,0.149], g[1.986,0.111]
2/2 [=====] - 0s 108ms/step
>824, dr[0.355,0.578], df[0.452,0.099], g[2.071,0.035]
2/2 [=====] - 0s 70ms/step
>825, dr[0.530,0.813], df[0.595,0.167], g[1.993,0.082]
2/2 [=====] - 0s 68ms/step
>826, dr[0.745,0.873], df[0.786,0.048], g[1.805,0.085]
2/2 [=====] - 0s 68ms/step
>827, dr[0.429,0.527], df[0.609,0.190], g[2.179,0.071]
2/2 [=====] - 0s 65ms/step
>828, dr[0.465,0.540], df[0.461,0.110], g[1.806,0.112]
2/2 [=====] - 0s 66ms/step
>829, dr[0.512,0.555], df[0.505,0.130], g[1.782,0.056]
2/2 [=====] - 0s 75ms/step
>830, dr[0.579,0.983], df[0.400,0.125], g[1.586,0.128]
2/2 [=====] - 0s 74ms/step
>831, dr[0.365,0.407], df[0.734,0.149], g[2.236,0.085]
2/2 [=====] - 0s 82ms/step
>832, dr[0.686,0.827], df[0.738,0.108], g[2.277,0.075]
2/2 [=====] - 0s 82ms/step
>833, dr[0.755,0.723], df[0.415,0.068], g[1.682,0.080]
2/2 [=====] - 0s 68ms/step
>834, dr[0.480,0.877], df[0.553,0.135], g[1.827,0.103]
2/2 [=====] - 0s 66ms/step
>835, dr[0.608,0.732], df[0.696,0.087], g[2.124,0.069]
2/2 [=====] - 0s 65ms/step
>836, dr[0.536,0.625], df[0.473,0.101], g[1.873,0.047]
2/2 [=====] - 0s 89ms/step
>837, dr[0.699,0.749], df[0.673,0.214], g[1.960,0.159]
2/2 [=====] - 0s 71ms/step
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>838, dr[0.498,0.705], df[0.448,0.173], g[2.172,0.066]
2/2 [=====] - 0s 72ms/step
>839, dr[0.462,0.562], df[0.577,0.150], g[1.831,0.074]
2/2 [=====] - 0s 68ms/step
>840, dr[0.615,0.574], df[0.676,0.125], g[1.721,0.131]
2/2 [=====] - 0s 65ms/step
>841, dr[0.637,0.687], df[0.645,0.398], g[1.573,0.116]
2/2 [=====] - 0s 65ms/step
>842, dr[0.511,0.534], df[0.451,0.076], g[1.595,0.105]
2/2 [=====] - 0s 63ms/step
>843, dr[0.463,0.882], df[0.647,0.056], g[1.608,0.076]
2/2 [=====] - 0s 64ms/step
>844, dr[0.504,0.506], df[0.483,0.058], g[1.755,0.157]
2/2 [=====] - 0s 68ms/step
>845, dr[0.619,0.749], df[0.587,0.227], g[1.606,0.097]
2/2 [=====] - 0s 63ms/step
>846, dr[0.498,0.507], df[0.997,0.107], g[2.039,0.096]
2/2 [=====] - 0s 63ms/step
>847, dr[0.848,0.723], df[0.752,0.090], g[1.805,0.136]
2/2 [=====] - 0s 68ms/step
>848, dr[0.564,0.582], df[0.426,0.137], g[1.936,0.148]
2/2 [=====] - 0s 68ms/step
>849, dr[0.578,0.732], df[0.569,0.187], g[1.900,0.091]
2/2 [=====] - 0s 63ms/step
>850, dr[0.536,0.702], df[0.517,0.054], g[1.885,0.087]
2/2 [=====] - 0s 64ms/step
>851, dr[0.590,0.853], df[0.579,0.075], g[1.680,0.111]
2/2 [=====] - 0s 66ms/step
>852, dr[0.438,0.592], df[0.604,0.227], g[1.934,0.060]
2/2 [=====] - 0s 73ms/step
>853, dr[0.783,0.370], df[0.707,0.190], g[1.724,0.179]
2/2 [=====] - 0s 64ms/step
>854, dr[0.625,0.768], df[0.568,0.198], g[1.587,0.070]
2/2 [=====] - 0s 67ms/step
>855, dr[0.506,0.817], df[0.586,0.135], g[1.583,0.108]
2/2 [=====] - 0s 63ms/step
>856, dr[0.567,0.323], df[0.633,0.057], g[1.658,0.082]
2/2 [=====] - 0s 61ms/step
>857, dr[0.431,0.551], df[0.570,0.102], g[2.052,0.143]
2/2 [=====] - 0s 64ms/step
>858, dr[0.593,0.526], df[0.600,0.111], g[2.212,0.143]
2/2 [=====] - 0s 64ms/step
>859, dr[0.739,0.931], df[0.558,0.196], g[1.783,0.097]
2/2 [=====] - 0s 62ms/step
>860, dr[0.503,0.711], df[0.613,0.124], g[1.659,0.162]
2/2 [=====] - 0s 68ms/step
>861, dr[0.551,0.719], df[0.536,0.045], g[1.822,0.092]
2/2 [=====] - 0s 69ms/step
>862, dr[0.568,0.847], df[0.556,0.071], g[1.979,0.097]
2/2 [=====] - 0s 64ms/step
>863, dr[0.574,0.650], df[0.583,0.166], g[1.796,0.080]
2/2 [=====] - 0s 74ms/step
>864, dr[0.712,0.771], df[0.670,0.064], g[1.659,0.092]
2/2 [=====] - 0s 67ms/step
>865, dr[0.513,0.797], df[0.525,0.257], g[1.829,0.086]
2/2 [=====] - 0s 67ms/step
>866, dr[0.657,0.753], df[0.604,0.048], g[1.655,0.090]
2/2 [=====] - 0s 65ms/step
>867, dr[0.643,0.838], df[0.870,0.137], g[1.705,0.133]
2/2 [=====] - 0s 63ms/step
```

```
>868, dr[0.460,0.675], df[0.546,0.163], g[2.001,0.146]
2/2 [=====] - 0s 71ms/step
>869, dr[0.738,0.595], df[0.664,0.132], g[1.743,0.114]
2/2 [=====] - 0s 65ms/step
>870, dr[0.588,0.489], df[0.718,0.117], g[1.993,0.110]
2/2 [=====] - 0s 66ms/step
>871, dr[0.618,0.455], df[0.783,0.196], g[1.982,0.115]
2/2 [=====] - 0s 64ms/step
>872, dr[0.914,0.495], df[0.576,0.151], g[1.612,0.061]
2/2 [=====] - 0s 68ms/step
>873, dr[0.600,0.498], df[0.540,0.104], g[1.551,0.170]
2/2 [=====] - 0s 73ms/step
>874, dr[0.537,0.596], df[0.632,0.063], g[1.653,0.119]
2/2 [=====] - 0s 73ms/step
>875, dr[0.573,0.446], df[0.543,0.182], g[1.532,0.083]
2/2 [=====] - 0s 66ms/step
>876, dr[0.463,0.818], df[0.595,0.088], g[1.818,0.137]
2/2 [=====] - 0s 67ms/step
>877, dr[0.641,0.531], df[0.776,0.199], g[2.187,0.053]
2/2 [=====] - 0s 69ms/step
>878, dr[0.772,0.460], df[0.751,0.191], g[1.977,0.159]
2/2 [=====] - 0s 79ms/step
>879, dr[0.736,0.624], df[0.614,0.095], g[1.779,0.092]
2/2 [=====] - 0s 67ms/step
>880, dr[0.577,0.879], df[0.500,0.101], g[1.488,0.094]
2/2 [=====] - 0s 56ms/step
>881, dr[0.620,0.686], df[0.819,0.068], g[1.458,0.103]
2/2 [=====] - 0s 59ms/step
>882, dr[0.450,0.837], df[0.383,0.130], g[1.707,0.096]
2/2 [=====] - 0s 66ms/step
>883, dr[0.573,0.683], df[0.658,0.079], g[1.604,0.095]
2/2 [=====] - 0s 66ms/step
>884, dr[0.504,0.488], df[0.621,0.096], g[2.003,0.127]
2/2 [=====] - 0s 65ms/step
>885, dr[0.691,0.798], df[0.663,0.101], g[1.726,0.061]
2/2 [=====] - 0s 65ms/step
>886, dr[0.664,0.739], df[0.585,0.133], g[1.780,0.175]
2/2 [=====] - 0s 69ms/step
>887, dr[0.631,0.481], df[0.632,0.087], g[1.535,0.133]
2/2 [=====] - 0s 71ms/step
>888, dr[0.564,0.783], df[0.688,0.169], g[1.825,0.088]
2/2 [=====] - 0s 60ms/step
>889, dr[0.567,0.576], df[0.499,0.112], g[1.761,0.123]
2/2 [=====] - 0s 65ms/step
>890, dr[0.542,0.552], df[0.606,0.120], g[1.606,0.163]
2/2 [=====] - 0s 60ms/step
>891, dr[0.763,0.547], df[0.633,0.087], g[1.548,0.141]
2/2 [=====] - 0s 73ms/step
>892, dr[0.569,0.628], df[0.658,0.099], g[1.663,0.205]
2/2 [=====] - 0s 67ms/step
>893, dr[0.566,0.260], df[0.629,0.154], g[2.024,0.090]
2/2 [=====] - 0s 64ms/step
>894, dr[0.713,0.526], df[0.540,0.143], g[2.035,0.135]
2/2 [=====] - 0s 67ms/step
>895, dr[0.654,0.492], df[0.635,0.087], g[1.739,0.114]
2/2 [=====] - 0s 64ms/step
>896, dr[0.782,0.593], df[0.652,0.135], g[1.527,0.077]
2/2 [=====] - 0s 65ms/step
>897, dr[0.499,0.433], df[0.688,0.151], g[1.901,0.135]
2/2 [=====] - 0s 69ms/step
```

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>898, dr[0.658,0.784], df[0.678,0.105], g[1.826,0.158]
2/2 [=====] - 0s 62ms/step
>899, dr[0.576,0.444], df[0.497,0.052], g[1.630,0.114]
2/2 [=====] - 0s 60ms/step
>900, dr[0.521,0.798], df[0.760,0.162], g[1.962,0.127]
2/2 [=====] - 0s 96ms/step
>901, dr[0.575,0.342], df[0.412,0.085], g[1.628,0.120]
2/2 [=====] - 0s 67ms/step
>902, dr[0.547,0.572], df[0.596,0.126], g[1.539,0.099]
2/2 [=====] - 0s 68ms/step
>903, dr[0.580,0.708], df[0.719,0.060], g[1.694,0.168]
2/2 [=====] - 0s 69ms/step
>904, dr[0.569,0.825], df[0.771,0.168], g[1.723,0.075]
2/2 [=====] - 0s 66ms/step
>905, dr[0.585,0.746], df[0.654,0.117], g[1.582,0.189]
2/2 [=====] - 0s 85ms/step
>906, dr[0.696,0.749], df[0.680,0.145], g[1.554,0.072]
2/2 [=====] - 0s 79ms/step
>907, dr[0.699,0.533], df[1.048,0.092], g[1.604,0.171]
2/2 [=====] - 0s 78ms/step
>908, dr[0.652,0.916], df[0.854,0.158], g[1.994,0.078]
2/2 [=====] - 0s 68ms/step
>909, dr[0.873,0.482], df[0.454,0.084], g[1.336,0.067]
2/2 [=====] - 0s 88ms/step
>910, dr[0.539,0.545], df[0.670,0.139], g[1.526,0.101]
2/2 [=====] - 0s 67ms/step
>911, dr[0.517,0.699], df[0.510,0.134], g[1.464,0.081]
2/2 [=====] - 0s 75ms/step
>912, dr[0.408,0.619], df[0.621,0.107], g[1.805,0.103]
2/2 [=====] - 0s 62ms/step
>913, dr[0.678,0.545], df[0.504,0.066], g[1.516,0.123]
2/2 [=====] - 0s 62ms/step
>914, dr[0.580,0.487], df[0.663,0.058], g[1.990,0.221]
2/2 [=====] - 0s 74ms/step
>915, dr[0.636,0.570], df[0.687,0.116], g[2.210,0.184]
2/2 [=====] - 0s 63ms/step
>916, dr[0.672,0.409], df[0.489,0.078], g[1.794,0.166]
2/2 [=====] - 0s 70ms/step
>917, dr[0.841,0.465], df[0.646,0.081], g[1.672,0.177]
2/2 [=====] - 0s 64ms/step
>918, dr[0.380,0.359], df[0.407,0.095], g[1.820,0.155]
2/2 [=====] - 0s 66ms/step
>919, dr[0.682,0.863], df[0.409,0.127], g[1.477,0.135]
2/2 [=====] - 0s 94ms/step
>920, dr[0.355,0.879], df[0.595,0.199], g[1.701,0.116]
2/2 [=====] - 0s 74ms/step
>921, dr[0.816,0.968], df[0.551,0.131], g[1.756,0.117]
2/2 [=====] - 0s 77ms/step
>922, dr[0.451,0.757], df[0.450,0.109], g[1.457,0.173]
2/2 [=====] - 0s 71ms/step
>923, dr[0.482,0.661], df[0.697,0.136], g[1.673,0.090]
2/2 [=====] - 0s 66ms/step
>924, dr[0.669,0.708], df[0.657,0.076], g[1.621,0.133]
2/2 [=====] - 0s 63ms/step
>925, dr[0.621,0.517], df[0.884,0.176], g[1.596,0.103]
2/2 [=====] - 0s 62ms/step
>926, dr[0.695,0.550], df[0.835,0.142], g[2.095,0.138]
2/2 [=====] - 0s 74ms/step
>927, dr[0.718,0.556], df[0.615,0.138], g[2.069,0.066]
2/2 [=====] - 0s 63ms/step
```

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>928, dr[0.647,0.567], df[0.753,0.098], g[1.785,0.121]
2/2 [=====] - 0s 61ms/step
>929, dr[0.578,0.736], df[0.648,0.099], g[2.077,0.177]
2/2 [=====] - 0s 64ms/step
>930, dr[0.602,0.499], df[0.682,0.075], g[2.291,0.091]
2/2 [=====] - 0s 76ms/step
>931, dr[0.652,0.682], df[0.503,0.221], g[2.050,0.113]
2/2 [=====] - 0s 64ms/step
>932, dr[0.670,1.106], df[0.603,0.095], g[1.700,0.151]
2/2 [=====] - 0s 67ms/step
>933, dr[0.496,0.607], df[0.522,0.125], g[2.055,0.143]
2/2 [=====] - 0s 78ms/step
>934, dr[0.585,0.448], df[0.424,0.070], g[2.193,0.089]
2/2 [=====] - 0s 68ms/step
>935, dr[0.615,1.202], df[0.591,0.081], g[1.946,0.182]
2/2 [=====] - 0s 72ms/step
>936, dr[0.538,0.791], df[0.439,0.163], g[1.861,0.092]
4/4 [=====] - 0s 49ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0936.png and model_0936.h5
2/2 [=====] - 0s 65ms/step
>937, dr[0.402,0.913], df[0.603,0.101], g[1.998,0.152]
2/2 [=====] - 0s 67ms/step
>938, dr[0.532,0.695], df[0.541,0.083], g[2.217,0.124]
2/2 [=====] - 0s 68ms/step
>939, dr[0.701,0.584], df[0.717,0.195], g[1.800,0.138]
2/2 [=====] - 0s 66ms/step
>940, dr[0.500,0.947], df[0.457,0.131], g[1.851,0.119]
2/2 [=====] - 0s 88ms/step
>941, dr[0.517,0.403], df[0.592,0.077], g[1.712,0.098]
2/2 [=====] - 0s 81ms/step
>942, dr[0.701,0.690], df[0.748,0.110], g[1.902,0.165]
2/2 [=====] - 0s 80ms/step
>943, dr[0.592,0.847], df[0.563,0.184], g[1.994,0.112]
2/2 [=====] - 0s 82ms/step
>944, dr[0.653,0.610], df[0.556,0.172], g[1.857,0.087]
2/2 [=====] - 0s 63ms/step
>945, dr[0.570,0.581], df[0.623,0.077], g[1.773,0.138]
2/2 [=====] - 0s 77ms/step
>946, dr[0.583,0.525], df[0.610,0.070], g[1.827,0.108]
2/2 [=====] - 0s 101ms/step
>947, dr[0.580,0.756], df[0.502,0.152], g[1.761,0.162]
2/2 [=====] - 0s 84ms/step
>948, dr[0.416,0.695], df[0.645,0.098], g[1.848,0.179]
2/2 [=====] - 0s 58ms/step
>949, dr[0.714,0.532], df[0.676,0.155], g[2.362,0.142]
2/2 [=====] - 0s 64ms/step
>950, dr[0.787,0.534], df[0.545,0.109], g[1.851,0.195]
2/2 [=====] - 0s 60ms/step
>951, dr[0.589,0.597], df[0.794,0.225], g[2.175,0.125]
2/2 [=====] - 0s 71ms/step
>952, dr[0.849,0.626], df[0.528,0.124], g[1.829,0.119]
2/2 [=====] - 0s 63ms/step
>953, dr[0.619,0.486], df[0.634,0.182], g[1.817,0.155]
2/2 [=====] - 0s 62ms/step
>954, dr[0.673,0.583], df[0.587,0.119], g[1.922,0.093]
2/2 [=====] - 0s 61ms/step
>955, dr[0.562,0.480], df[0.472,0.100], g[1.551,0.077]
2/2 [=====] - 0s 69ms/step
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>956, dr[0.521,0.819], df[0.687,0.241], g[1.863,0.146]
2/2 [=====] - 0s 60ms/step
>957, dr[0.571,0.724], df[0.606,0.087], g[1.732,0.109]
2/2 [=====] - 0s 57ms/step
>958, dr[0.424,0.305], df[0.551,0.128], g[1.939,0.140]
2/2 [=====] - 0s 59ms/step
>959, dr[0.607,0.757], df[0.545,0.066], g[2.132,0.082]
2/2 [=====] - 0s 58ms/step
>960, dr[0.728,0.858], df[0.592,0.120], g[1.793,0.108]
2/2 [=====] - 0s 59ms/step
>961, dr[0.430,0.490], df[0.574,0.116], g[1.896,0.143]
2/2 [=====] - 0s 58ms/step
>962, dr[0.507,0.454], df[0.649,0.045], g[1.810,0.065]
2/2 [=====] - 0s 60ms/step
>963, dr[0.654,0.692], df[0.516,0.128], g[1.854,0.091]
2/2 [=====] - 0s 59ms/step
>964, dr[0.566,0.401], df[0.627,0.052], g[1.894,0.067]
2/2 [=====] - 0s 64ms/step
>965, dr[0.545,0.836], df[0.595,0.042], g[1.716,0.096]
2/2 [=====] - 0s 64ms/step
>966, dr[0.653,0.430], df[0.661,0.041], g[1.792,0.113]
2/2 [=====] - 0s 64ms/step
>967, dr[0.565,0.404], df[0.486,0.068], g[2.089,0.095]
2/2 [=====] - 0s 64ms/step
>968, dr[0.599,0.376], df[0.684,0.194], g[2.147,0.120]
2/2 [=====] - 0s 63ms/step
>969, dr[0.785,0.823], df[0.541,0.113], g[2.111,0.155]
2/2 [=====] - 0s 64ms/step
>970, dr[0.747,0.599], df[0.731,0.075], g[1.633,0.122]
2/2 [=====] - 0s 64ms/step
>971, dr[0.705,0.573], df[0.811,0.127], g[1.639,0.063]
2/2 [=====] - 0s 60ms/step
>972, dr[0.427,0.987], df[0.614,0.074], g[2.002,0.080]
2/2 [=====] - 0s 59ms/step
>973, dr[0.572,0.693], df[0.415,0.095], g[2.043,0.109]
2/2 [=====] - 0s 58ms/step
>974, dr[0.531,0.697], df[0.575,0.158], g[1.645,0.090]
2/2 [=====] - 0s 64ms/step
>975, dr[0.508,0.483], df[0.567,0.088], g[1.589,0.092]
2/2 [=====] - 0s 58ms/step
>976, dr[0.512,0.583], df[0.714,0.068], g[2.085,0.070]
2/2 [=====] - 0s 63ms/step
>977, dr[0.470,0.412], df[0.387,0.070], g[2.265,0.155]
2/2 [=====] - 0s 58ms/step
>978, dr[0.549,0.860], df[0.623,0.113], g[1.643,0.116]
2/2 [=====] - 0s 59ms/step
>979, dr[0.534,0.654], df[0.577,0.067], g[2.051,0.137]
2/2 [=====] - 0s 62ms/step
>980, dr[0.562,0.480], df[0.369,0.114], g[1.751,0.101]
2/2 [=====] - 0s 64ms/step
>981, dr[0.525,0.827], df[0.708,0.037], g[1.718,0.066]
2/2 [=====] - 0s 58ms/step
>982, dr[0.442,0.562], df[0.562,0.046], g[2.124,0.082]
2/2 [=====] - 0s 59ms/step
>983, dr[0.600,0.868], df[0.467,0.101], g[1.970,0.152]
2/2 [=====] - 0s 60ms/step
>984, dr[0.648,0.827], df[0.506,0.095], g[1.953,0.080]
2/2 [=====] - 0s 59ms/step
>985, dr[0.637,0.466], df[0.569,0.113], g[1.615,0.094]
2/2 [=====] - 0s 69ms/step
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>986, dr[0.555,0.593], df[0.604,0.099], g[1.755,0.129]
2/2 [=====] - 0s 64ms/step
>987, dr[0.462,0.907], df[0.623,0.045], g[2.172,0.108]
2/2 [=====] - 0s 62ms/step
>988, dr[0.619,0.702], df[0.455,0.107], g[1.805,0.147]
2/2 [=====] - 0s 62ms/step
>989, dr[0.639,0.423], df[0.546,0.211], g[1.825,0.089]
2/2 [=====] - 0s 59ms/step
>990, dr[0.598,0.843], df[0.675,0.135], g[1.701,0.203]
2/2 [=====] - 0s 62ms/step
>991, dr[0.277,0.676], df[0.629,0.135], g[2.252,0.129]
2/2 [=====] - 0s 57ms/step
>992, dr[0.782,0.516], df[0.330,0.077], g[1.968,0.103]
2/2 [=====] - 0s 58ms/step
>993, dr[0.577,0.464], df[0.568,0.077], g[2.066,0.105]
2/2 [=====] - 0s 62ms/step
>994, dr[0.584,0.616], df[0.653,0.161], g[1.775,0.073]
2/2 [=====] - 0s 61ms/step
>995, dr[0.566,0.979], df[0.552,0.107], g[1.954,0.126]
2/2 [=====] - 0s 61ms/step
>996, dr[0.453,0.874], df[0.514,0.100], g[2.084,0.130]
2/2 [=====] - 0s 57ms/step
>997, dr[0.608,0.447], df[0.494,0.142], g[1.910,0.076]
2/2 [=====] - 0s 59ms/step
>998, dr[0.635,0.915], df[0.527,0.161], g[1.500,0.084]
2/2 [=====] - 0s 57ms/step
>999, dr[0.574,0.495], df[0.694,0.163], g[1.511,0.074]
2/2 [=====] - 0s 59ms/step
>1000, dr[0.423,0.549], df[0.575,0.137], g[1.849,0.121]
2/2 [=====] - 0s 67ms/step
>1001, dr[0.650,0.677], df[0.561,0.072], g[1.767,0.088]
2/2 [=====] - 0s 63ms/step
>1002, dr[0.579,0.703], df[0.594,0.069], g[1.749,0.116]
2/2 [=====] - 0s 64ms/step
>1003, dr[0.440,0.879], df[0.628,0.179], g[1.927,0.046]
2/2 [=====] - 0s 66ms/step
>1004, dr[0.652,0.611], df[0.520,0.121], g[1.727,0.118]
2/2 [=====] - 0s 65ms/step
>1005, dr[0.593,0.908], df[0.643,0.152], g[1.907,0.102]
2/2 [=====] - 0s 62ms/step
>1006, dr[0.455,0.558], df[0.502,0.061], g[2.057,0.091]
2/2 [=====] - 0s 60ms/step
>1007, dr[0.654,0.626], df[0.508,0.070], g[1.605,0.066]
2/2 [=====] - 0s 59ms/step
>1008, dr[0.527,0.631], df[0.593,0.057], g[1.674,0.085]
2/2 [=====] - 0s 64ms/step
>1009, dr[0.588,0.587], df[0.768,0.106], g[1.801,0.069]
2/2 [=====] - 0s 57ms/step
>1010, dr[0.888,0.848], df[0.677,0.089], g[1.703,0.094]
2/2 [=====] - 0s 59ms/step
>1011, dr[0.626,0.621], df[0.628,0.130], g[1.668,0.106]
2/2 [=====] - 0s 61ms/step
>1012, dr[0.502,0.658], df[0.638,0.139], g[1.665,0.109]
2/2 [=====] - 0s 59ms/step
>1013, dr[0.642,0.617], df[0.433,0.067], g[1.794,0.078]
2/2 [=====] - 0s 58ms/step
>1014, dr[0.486,0.428], df[0.753,0.078], g[1.933,0.076]
2/2 [=====] - 0s 55ms/step
>1015, dr[0.600,0.759], df[0.557,0.119], g[1.630,0.107]
2/2 [=====] - 0s 60ms/step
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>1016, dr[0.579,0.848], df[0.505,0.106], g[1.776,0.122]
2/2 [=====] - 0s 60ms/step
>1017, dr[0.445,0.721], df[0.572,0.099], g[1.733,0.112]
2/2 [=====] - 0s 65ms/step
>1018, dr[0.591,0.798], df[0.597,0.036], g[1.881,0.120]
2/2 [=====] - 0s 57ms/step
>1019, dr[0.432,0.303], df[0.462,0.098], g[1.893,0.070]
2/2 [=====] - 0s 67ms/step
>1020, dr[0.538,0.488], df[0.527,0.087], g[1.683,0.120]
2/2 [=====] - 0s 61ms/step
>1021, dr[0.594,0.636], df[0.500,0.102], g[1.653,0.119]
2/2 [=====] - 0s 64ms/step
>1022, dr[0.491,0.666], df[0.746,0.176], g[1.569,0.129]
2/2 [=====] - 0s 63ms/step
>1023, dr[0.696,0.540], df[0.632,0.066], g[1.619,0.107]
2/2 [=====] - 0s 64ms/step
>1024, dr[0.622,0.553], df[0.525,0.068], g[1.799,0.103]
2/2 [=====] - 0s 66ms/step
>1025, dr[0.709,0.620], df[0.743,0.078], g[1.680,0.121]
2/2 [=====] - 0s 62ms/step
>1026, dr[0.673,0.561], df[0.623,0.077], g[1.803,0.100]
2/2 [=====] - 0s 59ms/step
>1027, dr[0.610,0.862], df[0.642,0.194], g[1.730,0.080]
2/2 [=====] - 0s 57ms/step
>1028, dr[0.523,0.721], df[0.639,0.072], g[1.945,0.065]
2/2 [=====] - 0s 58ms/step
>1029, dr[0.550,0.418], df[0.540,0.062], g[1.607,0.125]
2/2 [=====] - 0s 60ms/step
>1030, dr[0.659,0.552], df[0.689,0.071], g[1.719,0.086]
2/2 [=====] - 0s 58ms/step
>1031, dr[0.445,0.656], df[0.732,0.096], g[1.812,0.132]
2/2 [=====] - 0s 59ms/step
>1032, dr[0.755,0.870], df[0.517,0.052], g[1.840,0.157]
2/2 [=====] - 0s 58ms/step
>1033, dr[0.475,0.662], df[0.571,0.038], g[1.854,0.099]
2/2 [=====] - 0s 57ms/step
>1034, dr[0.483,0.393], df[0.473,0.087], g[1.787,0.092]
2/2 [=====] - 0s 59ms/step
>1035, dr[0.643,0.757], df[0.565,0.129], g[1.638,0.122]
2/2 [=====] - 0s 59ms/step
>1036, dr[0.486,0.774], df[0.397,0.091], g[1.583,0.090]
2/2 [=====] - 0s 63ms/step
>1037, dr[0.437,0.472], df[0.508,0.199], g[1.922,0.062]
2/2 [=====] - 0s 62ms/step
>1038, dr[0.603,0.686], df[0.360,0.086], g[1.712,0.137]
2/2 [=====] - 0s 69ms/step
>1039, dr[0.412,0.707], df[0.643,0.094], g[1.589,0.081]
2/2 [=====] - 0s 69ms/step
>1040, dr[0.522,0.602], df[0.449,0.064], g[1.777,0.106]
2/2 [=====] - 0s 73ms/step
>1041, dr[0.628,0.463], df[0.654,0.103], g[1.702,0.206]
2/2 [=====] - 0s 62ms/step
>1042, dr[0.574,0.559], df[0.477,0.125], g[1.576,0.148]
2/2 [=====] - 0s 67ms/step
>1043, dr[0.419,0.885], df[0.537,0.110], g[1.463,0.096]
2/2 [=====] - 0s 63ms/step
>1044, dr[0.481,0.574], df[0.517,0.111], g[1.755,0.071]
2/2 [=====] - 0s 61ms/step
>1045, dr[0.600,0.529], df[0.520,0.083], g[1.579,0.151]
2/2 [=====] - 0s 60ms/step
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>1046, dr[0.585,0.699], df[0.591,0.037], g[1.427,0.176]
2/2 [=====] - 0s 72ms/step
>1047, dr[0.434,0.365], df[0.679,0.042], g[1.826,0.122]
2/2 [=====] - 0s 62ms/step
>1048, dr[0.655,0.847], df[0.488,0.075], g[1.925,0.071]
2/2 [=====] - 0s 60ms/step
>1049, dr[0.372,0.390], df[0.592,0.118], g[1.941,0.089]
2/2 [=====] - 0s 65ms/step
>1050, dr[0.429,0.618], df[0.413,0.149], g[2.337,0.082]
2/2 [=====] - 0s 74ms/step
>1051, dr[0.476,0.296], df[0.393,0.067], g[2.046,0.105]
2/2 [=====] - 0s 80ms/step
>1052, dr[0.499,0.956], df[0.463,0.070], g[2.019,0.131]
2/2 [=====] - 0s 72ms/step
>1053, dr[0.454,0.327], df[0.661,0.064], g[1.936,0.113]
2/2 [=====] - 0s 68ms/step
>1054, dr[0.559,0.589], df[0.649,0.120], g[2.308,0.108]
2/2 [=====] - 0s 67ms/step
>1055, dr[0.639,0.838], df[0.484,0.142], g[2.010,0.132]
2/2 [=====] - 0s 71ms/step
>1056, dr[0.426,0.457], df[0.473,0.128], g[1.992,0.177]
2/2 [=====] - 0s 74ms/step
>1057, dr[0.739,0.800], df[0.490,0.073], g[1.662,0.203]
2/2 [=====] - 0s 68ms/step
>1058, dr[0.422,0.453], df[0.514,0.052], g[1.885,0.153]
2/2 [=====] - 0s 68ms/step
>1059, dr[0.655,0.699], df[0.603,0.139], g[1.778,0.115]
2/2 [=====] - 0s 66ms/step
>1060, dr[0.475,0.582], df[0.501,0.144], g[1.724,0.095]
2/2 [=====] - 0s 66ms/step
>1061, dr[0.696,0.571], df[0.551,0.096], g[1.556,0.123]
2/2 [=====] - 0s 63ms/step
>1062, dr[0.478,0.559], df[0.628,0.090], g[1.642,0.172]
2/2 [=====] - 0s 62ms/step
>1063, dr[0.484,0.653], df[0.730,0.170], g[2.060,0.162]
2/2 [=====] - 0s 62ms/step
>1064, dr[0.501,0.757], df[0.370,0.041], g[1.940,0.072]
2/2 [=====] - 0s 62ms/step
>1065, dr[0.538,0.412], df[0.508,0.112], g[1.902,0.111]
2/2 [=====] - 0s 68ms/step
>1066, dr[0.671,0.777], df[0.748,0.216], g[1.835,0.082]
2/2 [=====] - 0s 77ms/step
>1067, dr[0.508,0.680], df[0.573,0.133], g[1.989,0.060]
2/2 [=====] - 0s 68ms/step
>1068, dr[0.721,0.563], df[0.684,0.085], g[1.923,0.052]
2/2 [=====] - 0s 61ms/step
>1069, dr[0.597,0.635], df[0.543,0.100], g[1.827,0.126]
2/2 [=====] - 0s 63ms/step
>1070, dr[0.694,0.793], df[0.563,0.031], g[1.636,0.071]
2/2 [=====] - 0s 61ms/step
>1071, dr[0.563,0.476], df[0.759,0.108], g[2.021,0.124]
2/2 [=====] - 0s 58ms/step
>1072, dr[0.732,0.715], df[0.487,0.071], g[1.771,0.086]
2/2 [=====] - 0s 58ms/step
>1073, dr[0.431,0.565], df[0.585,0.074], g[2.069,0.124]
2/2 [=====] - 0s 66ms/step
>1074, dr[0.675,0.494], df[0.522,0.193], g[2.049,0.087]
2/2 [=====] - 0s 62ms/step
>1075, dr[0.576,0.544], df[0.692,0.244], g[2.100,0.108]
2/2 [=====] - 0s 59ms/step
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>1076, dr[0.731,0.457], df[0.367,0.119], g[1.923,0.116]
2/2 [=====] - 0s 57ms/step
>1077, dr[0.618,0.794], df[0.971,0.144], g[1.862,0.072]
2/2 [=====] - 0s 62ms/step
>1078, dr[0.743,0.987], df[0.596,0.088], g[1.760,0.192]
2/2 [=====] - 0s 66ms/step
>1079, dr[0.483,0.616], df[0.423,0.144], g[1.768,0.138]
2/2 [=====] - 0s 62ms/step
>1080, dr[0.572,0.623], df[0.567,0.115], g[1.948,0.096]
2/2 [=====] - 0s 57ms/step
>1081, dr[0.633,0.683], df[0.496,0.142], g[1.668,0.131]
2/2 [=====] - 0s 66ms/step
>1082, dr[0.508,0.694], df[0.735,0.302], g[2.067,0.165]
2/2 [=====] - 0s 99ms/step
>1083, dr[0.546,0.563], df[0.540,0.149], g[1.926,0.134]
2/2 [=====] - 0s 61ms/step
>1084, dr[0.474,0.481], df[0.641,0.168], g[2.057,0.132]
2/2 [=====] - 0s 64ms/step
>1085, dr[0.687,0.563], df[0.485,0.235], g[1.553,0.141]
2/2 [=====] - 0s 60ms/step
>1086, dr[0.462,1.036], df[0.742,0.079], g[1.721,0.143]
2/2 [=====] - 0s 60ms/step
>1087, dr[0.582,0.596], df[0.464,0.103], g[1.587,0.112]
2/2 [=====] - 0s 60ms/step
>1088, dr[0.484,0.660], df[0.480,0.086], g[1.691,0.107]
2/2 [=====] - 0s 64ms/step
>1089, dr[0.517,0.545], df[0.473,0.066], g[1.475,0.141]
2/2 [=====] - 0s 62ms/step
>1090, dr[0.473,0.530], df[0.703,0.126], g[1.760,0.113]
2/2 [=====] - 0s 63ms/step
>1091, dr[0.435,0.574], df[0.389,0.095], g[1.944,0.092]
2/2 [=====] - 0s 57ms/step
>1092, dr[0.664,0.537], df[0.615,0.063], g[1.538,0.094]
2/2 [=====] - 0s 59ms/step
>1093, dr[0.540,0.411], df[0.705,0.121], g[1.924,0.082]
2/2 [=====] - 0s 60ms/step
>1094, dr[0.431,0.507], df[0.405,0.113], g[1.805,0.103]
2/2 [=====] - 0s 59ms/step
>1095, dr[0.714,0.600], df[0.555,0.139], g[1.644,0.138]
2/2 [=====] - 0s 61ms/step
>1096, dr[0.761,0.780], df[0.629,0.067], g[1.413,0.127]
2/2 [=====] - 0s 61ms/step
>1097, dr[0.419,0.762], df[0.689,0.245], g[1.511,0.107]
2/2 [=====] - 0s 64ms/step
>1098, dr[0.648,0.702], df[0.541,0.104], g[1.698,0.110]
2/2 [=====] - 0s 67ms/step
>1099, dr[0.340,0.367], df[0.551,0.187], g[1.883,0.063]
2/2 [=====] - 0s 64ms/step
>1100, dr[0.571,0.982], df[0.346,0.048], g[1.709,0.133]
2/2 [=====] - 0s 64ms/step
>1101, dr[0.779,0.614], df[0.728,0.130], g[1.660,0.065]
2/2 [=====] - 0s 57ms/step
>1102, dr[0.637,0.460], df[0.591,0.163], g[1.725,0.072]
2/2 [=====] - 0s 58ms/step
>1103, dr[0.616,0.456], df[0.649,0.087], g[1.605,0.177]
2/2 [=====] - 0s 57ms/step
>1104, dr[0.481,0.672], df[0.480,0.081], g[1.615,0.123]
2/2 [=====] - 0s 57ms/step
>1105, dr[0.686,0.706], df[0.716,0.140], g[1.627,0.096]
2/2 [=====] - 0s 58ms/step
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>1106, dr[0.782,0.547], df[0.634,0.085], g[1.846,0.076]
2/2 [=====] - 0s 57ms/step
>1107, dr[0.571,0.579], df[0.591,0.114], g[1.661,0.137]
2/2 [=====] - 0s 63ms/step
>1108, dr[0.516,0.520], df[0.531,0.108], g[1.682,0.095]
2/2 [=====] - 0s 63ms/step
>1109, dr[0.728,0.415], df[0.722,0.077], g[1.466,0.052]
2/2 [=====] - 0s 73ms/step
>1110, dr[0.516,0.881], df[0.486,0.133], g[1.696,0.141]
2/2 [=====] - 0s 62ms/step
>1111, dr[0.625,0.379], df[0.516,0.051], g[1.719,0.065]
2/2 [=====] - 0s 60ms/step
>1112, dr[0.452,0.569], df[0.456,0.059], g[1.671,0.126]
2/2 [=====] - 0s 58ms/step
>1113, dr[0.565,0.602], df[0.533,0.084], g[1.693,0.047]
2/2 [=====] - 0s 56ms/step
>1114, dr[0.607,0.665], df[0.618,0.205], g[1.586,0.128]
2/2 [=====] - 0s 58ms/step
>1115, dr[0.477,0.667], df[0.597,0.101], g[1.644,0.157]
2/2 [=====] - 0s 58ms/step
>1116, dr[0.740,0.551], df[0.561,0.114], g[1.663,0.111]
2/2 [=====] - 0s 59ms/step
>1117, dr[0.558,0.487], df[0.660,0.113], g[1.851,0.113]
2/2 [=====] - 0s 62ms/step
>1118, dr[0.573,0.601], df[0.567,0.086], g[1.792,0.088]
2/2 [=====] - 0s 57ms/step
>1119, dr[0.595,0.615], df[0.574,0.086], g[1.771,0.075]
2/2 [=====] - 0s 57ms/step
>1120, dr[0.521,0.801], df[0.513,0.034], g[2.091,0.105]
2/2 [=====] - 0s 62ms/step
>1121, dr[0.453,0.298], df[0.477,0.118], g[1.885,0.109]
2/2 [=====] - 0s 57ms/step
>1122, dr[0.514,0.623], df[0.503,0.177], g[1.963,0.110]
2/2 [=====] - 0s 61ms/step
>1123, dr[0.508,0.665], df[0.587,0.106], g[1.948,0.072]
2/2 [=====] - 0s 68ms/step
>1124, dr[0.481,0.534], df[0.534,0.072], g[1.727,0.098]
2/2 [=====] - 0s 61ms/step
>1125, dr[0.440,0.667], df[0.510,0.051], g[1.697,0.105]
2/2 [=====] - 0s 63ms/step
>1126, dr[0.568,0.596], df[0.458,0.059], g[1.444,0.083]
2/2 [=====] - 0s 62ms/step
>1127, dr[0.306,0.389], df[0.610,0.091], g[1.855,0.140]
2/2 [=====] - 0s 59ms/step
>1128, dr[0.726,0.773], df[0.558,0.094], g[2.098,0.107]
2/2 [=====] - 0s 59ms/step
>1129, dr[0.624,0.561], df[0.577,0.088], g[2.187,0.101]
2/2 [=====] - 0s 58ms/step
>1130, dr[0.676,0.726], df[0.547,0.060], g[1.786,0.091]
2/2 [=====] - 0s 63ms/step
>1131, dr[0.601,0.603], df[0.552,0.056], g[1.731,0.102]
2/2 [=====] - 0s 59ms/step
>1132, dr[0.465,0.455], df[0.657,0.068], g[1.845,0.101]
2/2 [=====] - 0s 58ms/step
>1133, dr[0.483,0.508], df[0.570,0.080], g[1.725,0.134]
2/2 [=====] - 0s 66ms/step
>1134, dr[0.580,0.608], df[0.521,0.046], g[1.608,0.091]
2/2 [=====] - 0s 57ms/step
>1135, dr[0.363,0.675], df[0.400,0.142], g[1.689,0.062]
2/2 [=====] - 0s 61ms/step
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>1136, dr[0.571,0.626], df[0.568,0.112], g[1.591,0.050]
2/2 [=====] - 0s 61ms/step
>1137, dr[0.586,1.139], df[0.543,0.074], g[1.609,0.081]
2/2 [=====] - 0s 65ms/step
>1138, dr[0.559,0.820], df[0.549,0.114], g[1.709,0.107]
2/2 [=====] - 0s 63ms/step
>1139, dr[0.551,1.054], df[0.546,0.085], g[1.690,0.129]
2/2 [=====] - 0s 64ms/step
>1140, dr[0.525,0.539], df[0.534,0.077], g[1.743,0.033]
2/2 [=====] - 0s 64ms/step
>1141, dr[0.535,0.541], df[0.605,0.064], g[1.624,0.073]
2/2 [=====] - 0s 63ms/step
>1142, dr[0.467,0.657], df[0.478,0.116], g[1.681,0.120]
2/2 [=====] - 0s 60ms/step
>1143, dr[0.433,0.641], df[0.524,0.105], g[1.774,0.093]
2/2 [=====] - 0s 60ms/step
>1144, dr[0.644,0.597], df[0.610,0.059], g[1.677,0.086]
2/2 [=====] - 0s 61ms/step
>1145, dr[0.523,0.798], df[0.549,0.103], g[1.919,0.083]
2/2 [=====] - 0s 71ms/step
>1146, dr[0.782,0.946], df[0.730,0.130], g[1.740,0.115]
2/2 [=====] - 0s 63ms/step
>1147, dr[0.590,0.537], df[0.639,0.086], g[1.798,0.129]
2/2 [=====] - 0s 60ms/step
>1148, dr[0.667,0.591], df[0.684,0.199], g[1.887,0.177]
2/2 [=====] - 0s 57ms/step
>1149, dr[0.684,0.692], df[0.354,0.066], g[1.851,0.101]
2/2 [=====] - 0s 58ms/step
>1150, dr[0.444,0.521], df[0.540,0.075], g[1.669,0.125]
2/2 [=====] - 0s 62ms/step
>1151, dr[0.403,0.386], df[0.528,0.116], g[2.035,0.049]
2/2 [=====] - 0s 66ms/step
>1152, dr[0.652,0.533], df[0.504,0.150], g[1.790,0.079]
2/2 [=====] - 0s 66ms/step
>1153, dr[0.733,0.641], df[0.537,0.103], g[1.550,0.127]
2/2 [=====] - 0s 67ms/step
>1154, dr[0.424,0.756], df[0.565,0.157], g[1.652,0.074]
2/2 [=====] - 0s 74ms/step
>1155, dr[0.530,0.346], df[0.631,0.173], g[1.873,0.092]
2/2 [=====] - 0s 65ms/step
>1156, dr[0.708,0.673], df[0.623,0.152], g[1.684,0.134]
2/2 [=====] - 0s 67ms/step
>1157, dr[0.646,0.353], df[0.651,0.197], g[1.706,0.124]
2/2 [=====] - 0s 61ms/step
>1158, dr[0.546,0.702], df[0.652,0.171], g[1.827,0.110]
2/2 [=====] - 0s 61ms/step
>1159, dr[0.576,0.697], df[0.602,0.140], g[1.687,0.134]
2/2 [=====] - 0s 68ms/step
>1160, dr[0.614,0.521], df[0.384,0.102], g[1.472,0.106]
2/2 [=====] - 0s 59ms/step
>1161, dr[0.501,0.446], df[0.833,0.146], g[1.855,0.069]
2/2 [=====] - 0s 66ms/step
>1162, dr[0.585,0.884], df[0.587,0.113], g[1.919,0.079]
2/2 [=====] - 0s 61ms/step
>1163, dr[0.656,0.510], df[0.553,0.137], g[1.806,0.131]
2/2 [=====] - 0s 58ms/step
>1164, dr[0.494,0.808], df[0.594,0.120], g[1.831,0.136]
2/2 [=====] - 0s 60ms/step
>1165, dr[0.490,0.616], df[0.473,0.087], g[1.904,0.248]
2/2 [=====] - 0s 60ms/step
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>1166, dr[0.666,0.579], df[0.676,0.118], g[1.958,0.122]
2/2 [=====] - 0s 65ms/step
>1167, dr[0.715,0.573], df[0.464,0.101], g[2.054,0.108]
2/2 [=====] - 0s 65ms/step
>1168, dr[0.557,0.925], df[0.665,0.078], g[1.901,0.059]
2/2 [=====] - 0s 62ms/step
>1169, dr[0.629,0.690], df[0.666,0.041], g[2.026,0.092]
2/2 [=====] - 0s 67ms/step
>1170, dr[0.482,0.773], df[0.400,0.162], g[1.754,0.098]
2/2 [=====] - 0s 60ms/step
>1171, dr[0.554,0.755], df[0.540,0.076], g[1.664,0.151]
2/2 [=====] - 0s 62ms/step
>1172, dr[0.829,0.556], df[0.689,0.107], g[1.439,0.134]
2/2 [=====] - 0s 64ms/step
>1173, dr[0.318,0.630], df[0.495,0.110], g[2.062,0.137]
2/2 [=====] - 0s 74ms/step
>1174, dr[0.665,0.655], df[0.579,0.101], g[1.549,0.127]
2/2 [=====] - 0s 63ms/step
>1175, dr[0.411,0.369], df[0.736,0.188], g[2.014,0.064]
2/2 [=====] - 0s 60ms/step
>1176, dr[0.704,0.506], df[0.405,0.098], g[1.888,0.081]
2/2 [=====] - 0s 61ms/step
>1177, dr[0.716,0.352], df[0.489,0.089], g[1.482,0.081]
2/2 [=====] - 0s 63ms/step
>1178, dr[0.357,0.790], df[0.453,0.159], g[1.507,0.148]
2/2 [=====] - 0s 69ms/step
>1179, dr[0.502,0.673], df[0.683,0.253], g[1.725,0.108]
2/2 [=====] - 0s 70ms/step
>1180, dr[0.493,0.599], df[0.623,0.076], g[2.088,0.138]
2/2 [=====] - 0s 62ms/step
>1181, dr[0.693,0.484], df[0.374,0.124], g[1.956,0.096]
2/2 [=====] - 0s 68ms/step
>1182, dr[0.556,0.707], df[0.581,0.130], g[1.742,0.130]
2/2 [=====] - 0s 66ms/step
>1183, dr[0.607,0.557], df[0.653,0.147], g[1.751,0.123]
2/2 [=====] - 0s 69ms/step
>1184, dr[0.765,0.547], df[0.542,0.108], g[1.516,0.078]
2/2 [=====] - 0s 70ms/step
>1185, dr[0.480,0.842], df[0.522,0.106], g[1.587,0.081]
2/2 [=====] - 0s 71ms/step
>1186, dr[0.641,0.701], df[0.590,0.071], g[1.589,0.131]
2/2 [=====] - 0s 65ms/step
>1187, dr[0.396,0.498], df[0.553,0.099], g[1.899,0.077]
2/2 [=====] - 0s 67ms/step
>1188, dr[0.528,0.691], df[0.470,0.071], g[2.119,0.085]
2/2 [=====] - 0s 67ms/step
>1189, dr[0.666,0.701], df[0.505,0.095], g[1.992,0.151]
2/2 [=====] - 0s 66ms/step
>1190, dr[0.567,0.755], df[0.581,0.128], g[1.709,0.104]
2/2 [=====] - 0s 64ms/step
>1191, dr[0.580,0.570], df[0.582,0.173], g[1.572,0.082]
2/2 [=====] - 0s 63ms/step
>1192, dr[0.570,0.569], df[0.734,0.103], g[1.778,0.110]
2/2 [=====] - 0s 68ms/step
>1193, dr[0.578,0.354], df[0.513,0.115], g[1.850,0.075]
2/2 [=====] - 0s 75ms/step
>1194, dr[0.548,0.741], df[0.493,0.055], g[1.866,0.112]
2/2 [=====] - 0s 67ms/step
>1195, dr[0.582,0.404], df[0.552,0.322], g[1.580,0.110]
2/2 [=====] - 0s 70ms/step
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>1196, dr[0.480,0.574], df[0.486,0.181], g[1.628,0.102]
2/2 [=====] - 0s 67ms/step
>1197, dr[0.402,0.417], df[0.412,0.171], g[1.779,0.152]
2/2 [=====] - 0s 67ms/step
>1198, dr[0.652,0.758], df[0.569,0.141], g[1.551,0.136]
2/2 [=====] - 0s 66ms/step
>1199, dr[0.530,0.512], df[0.776,0.139], g[2.138,0.120]
2/2 [=====] - 0s 59ms/step
>1200, dr[0.687,0.926], df[0.401,0.232], g[1.622,0.130]
2/2 [=====] - 0s 80ms/step
>1201, dr[0.606,0.522], df[0.655,0.139], g[1.747,0.097]
2/2 [=====] - 0s 59ms/step
>1202, dr[0.511,0.965], df[0.456,0.135], g[1.871,0.046]
2/2 [=====] - 0s 59ms/step
>1203, dr[0.636,0.795], df[0.460,0.094], g[1.579,0.061]
2/2 [=====] - 0s 60ms/step
>1204, dr[0.517,0.682], df[0.566,0.135], g[1.846,0.065]
2/2 [=====] - 0s 59ms/step
>1205, dr[0.651,0.478], df[0.519,0.047], g[1.606,0.135]
2/2 [=====] - 0s 68ms/step
>1206, dr[0.633,0.541], df[0.491,0.163], g[1.809,0.076]
2/2 [=====] - 0s 72ms/step
>1207, dr[0.569,0.501], df[0.610,0.128], g[1.477,0.086]
2/2 [=====] - 0s 70ms/step
>1208, dr[0.559,0.669], df[0.577,0.099], g[1.457,0.123]
2/2 [=====] - 0s 72ms/step
>1209, dr[0.496,0.498], df[0.493,0.098], g[1.806,0.108]
2/2 [=====] - 0s 60ms/step
>1210, dr[0.557,0.784], df[0.551,0.137], g[1.568,0.123]
2/2 [=====] - 0s 67ms/step
>1211, dr[0.516,0.530], df[0.492,0.188], g[1.834,0.080]
2/2 [=====] - 0s 69ms/step
>1212, dr[0.407,0.429], df[0.497,0.133], g[1.677,0.122]
2/2 [=====] - 0s 82ms/step
>1213, dr[0.565,0.649], df[0.508,0.067], g[1.638,0.078]
2/2 [=====] - 0s 64ms/step
>1214, dr[0.495,0.456], df[0.585,0.151], g[1.645,0.091]
2/2 [=====] - 0s 64ms/step
>1215, dr[0.481,0.323], df[0.534,0.101], g[2.010,0.115]
2/2 [=====] - 0s 63ms/step
>1216, dr[0.494,0.381], df[0.515,0.065], g[1.931,0.181]
2/2 [=====] - 0s 66ms/step
>1217, dr[0.655,0.808], df[0.545,0.118], g[1.734,0.094]
2/2 [=====] - 0s 62ms/step
>1218, dr[0.506,0.486], df[0.552,0.097], g[1.690,0.079]
2/2 [=====] - 0s 58ms/step
>1219, dr[0.388,0.535], df[0.434,0.169], g[1.705,0.111]
2/2 [=====] - 0s 58ms/step
>1220, dr[0.466,0.731], df[0.500,0.134], g[1.932,0.051]
2/2 [=====] - 0s 59ms/step
>1221, dr[0.595,0.508], df[0.503,0.036], g[1.895,0.080]
2/2 [=====] - 0s 59ms/step
>1222, dr[0.585,0.524], df[0.595,0.109], g[1.563,0.172]
2/2 [=====] - 0s 62ms/step
>1223, dr[0.503,0.674], df[0.487,0.101], g[2.014,0.074]
2/2 [=====] - 0s 58ms/step
>1224, dr[0.589,0.482], df[0.610,0.220], g[1.772,0.156]
2/2 [=====] - 0s 58ms/step
>1225, dr[0.400,0.563], df[0.504,0.133], g[1.950,0.080]
2/2 [=====] - 0s 66ms/step
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>1226, dr[0.608,0.623], df[0.441,0.218], g[2.038,0.132]
2/2 [=====] - 0s 66ms/step
>1227, dr[0.706,0.641], df[0.462,0.144], g[1.757,0.074]
2/2 [=====] - 0s 59ms/step
>1228, dr[0.533,0.439], df[0.674,0.075], g[1.738,0.101]
2/2 [=====] - 0s 67ms/step
>1229, dr[0.533,1.015], df[0.615,0.107], g[1.795,0.103]
2/2 [=====] - 0s 59ms/step
>1230, dr[0.584,0.648], df[0.477,0.055], g[1.856,0.099]
2/2 [=====] - 0s 61ms/step
>1231, dr[0.490,0.721], df[0.497,0.088], g[1.759,0.096]
2/2 [=====] - 0s 62ms/step
>1232, dr[0.460,0.581], df[0.644,0.108], g[1.808,0.136]
2/2 [=====] - 0s 58ms/step
>1233, dr[0.640,0.519], df[0.513,0.109], g[1.964,0.059]
2/2 [=====] - 0s 63ms/step
>1234, dr[0.557,0.578], df[0.499,0.087], g[1.488,0.062]
2/2 [=====] - 0s 62ms/step
>1235, dr[0.499,0.747], df[0.718,0.094], g[1.642,0.108]
2/2 [=====] - 0s 57ms/step
>1236, dr[0.502,1.016], df[0.531,0.093], g[1.674,0.127]
2/2 [=====] - 0s 59ms/step
>1237, dr[0.380,0.930], df[0.307,0.063], g[1.910,0.117]
2/2 [=====] - 0s 62ms/step
>1238, dr[0.616,0.734], df[0.527,0.193], g[1.531,0.072]
2/2 [=====] - 0s 57ms/step
>1239, dr[0.403,0.813], df[0.716,0.088], g[1.768,0.120]
2/2 [=====] - 0s 59ms/step
>1240, dr[0.753,0.551], df[0.691,0.150], g[1.701,0.183]
2/2 [=====] - 0s 64ms/step
>1241, dr[0.387,0.550], df[0.545,0.090], g[1.883,0.075]
2/2 [=====] - 0s 59ms/step
>1242, dr[0.596,0.522], df[0.626,0.250], g[2.095,0.065]
2/2 [=====] - 0s 57ms/step
>1243, dr[0.740,0.645], df[0.557,0.123], g[1.710,0.135]
2/2 [=====] - 0s 67ms/step
>1244, dr[0.517,0.461], df[0.391,0.069], g[1.713,0.106]
2/2 [=====] - 0s 60ms/step
>1245, dr[0.541,0.556], df[0.541,0.154], g[1.697,0.086]
2/2 [=====] - 0s 64ms/step
>1246, dr[0.604,0.735], df[0.420,0.089], g[1.781,0.098]
2/2 [=====] - 0s 64ms/step
>1247, dr[0.496,0.648], df[0.621,0.363], g[1.881,0.042]
2/2 [=====] - 0s 64ms/step
>1248, dr[0.450,0.492], df[0.418,0.088], g[1.627,0.070]
2/2 [=====] - 0s 59ms/step
>1249, dr[0.628,0.779], df[0.623,0.066], g[1.805,0.097]
2/2 [=====] - 0s 59ms/step
>1250, dr[0.534,0.469], df[0.534,0.136], g[1.731,0.056]
2/2 [=====] - 0s 59ms/step
>1251, dr[0.513,0.622], df[0.580,0.179], g[1.827,0.090]
2/2 [=====] - 0s 58ms/step
>1252, dr[0.550,0.895], df[0.532,0.083], g[1.620,0.076]
2/2 [=====] - 0s 61ms/step
>1253, dr[0.642,1.003], df[0.635,0.102], g[1.701,0.071]
2/2 [=====] - 0s 62ms/step
>1254, dr[0.388,0.524], df[0.573,0.119], g[1.769,0.091]
2/2 [=====] - 0s 60ms/step
>1255, dr[0.586,0.709], df[0.486,0.097], g[1.760,0.108]
2/2 [=====] - 0s 61ms/step
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>1256, dr[0.601,0.645], df[0.490,0.182], g[1.659,0.134]
2/2 [=====] - 0s 57ms/step
>1257, dr[0.450,0.511], df[0.495,0.086], g[1.626,0.247]
2/2 [=====] - 0s 60ms/step
>1258, dr[0.600,0.992], df[0.588,0.092], g[1.510,0.151]
2/2 [=====] - 0s 61ms/step
>1259, dr[0.495,0.859], df[0.587,0.112], g[1.670,0.075]
2/2 [=====] - 0s 63ms/step
>1260, dr[0.435,0.612], df[0.371,0.066], g[1.874,0.166]
2/2 [=====] - 0s 68ms/step
>1261, dr[0.468,0.830], df[0.564,0.080], g[1.774,0.132]
2/2 [=====] - 0s 61ms/step
>1262, dr[0.478,0.359], df[0.588,0.264], g[1.741,0.208]
2/2 [=====] - 0s 57ms/step
>1263, dr[0.827,0.468], df[0.558,0.127], g[1.588,0.163]
2/2 [=====] - 0s 61ms/step
>1264, dr[0.516,0.645], df[0.526,0.086], g[1.517,0.227]
2/2 [=====] - 0s 57ms/step
>1265, dr[0.482,0.651], df[0.552,0.070], g[1.854,0.070]
2/2 [=====] - 0s 59ms/step
>1266, dr[0.534,0.462], df[0.486,0.112], g[1.616,0.119]
2/2 [=====] - 0s 59ms/step
>1267, dr[0.493,0.566], df[0.515,0.135], g[1.823,0.171]
2/2 [=====] - 0s 65ms/step
>1268, dr[0.451,0.540], df[0.429,0.111], g[1.683,0.063]
2/2 [=====] - 0s 58ms/step
>1269, dr[0.360,0.452], df[0.498,0.070], g[1.869,0.080]
2/2 [=====] - 0s 58ms/step
>1270, dr[0.529,0.503], df[0.455,0.185], g[1.850,0.131]
2/2 [=====] - 0s 61ms/step
>1271, dr[0.443,0.537], df[0.483,0.111], g[1.942,0.162]
2/2 [=====] - 0s 63ms/step
>1272, dr[0.479,0.642], df[0.433,0.176], g[1.539,0.102]
2/2 [=====] - 0s 61ms/step
>1273, dr[0.458,0.632], df[0.512,0.099], g[1.774,0.097]
2/2 [=====] - 0s 63ms/step
>1274, dr[0.584,0.564], df[0.577,0.116], g[1.585,0.132]
2/2 [=====] - 0s 73ms/step
>1275, dr[0.526,0.727], df[0.589,0.167], g[1.797,0.121]
2/2 [=====] - 0s 59ms/step
>1276, dr[0.591,0.768], df[0.408,0.134], g[1.498,0.097]
2/2 [=====] - 0s 60ms/step
>1277, dr[0.435,0.527], df[0.615,0.141], g[1.762,0.095]
2/2 [=====] - 0s 61ms/step
>1278, dr[0.526,0.794], df[0.617,0.102], g[1.720,0.163]
2/2 [=====] - 0s 58ms/step
>1279, dr[0.622,0.848], df[0.370,0.236], g[1.477,0.114]
2/2 [=====] - 0s 61ms/step
>1280, dr[0.517,0.841], df[0.706,0.205], g[1.752,0.114]
2/2 [=====] - 0s 59ms/step
>1281, dr[0.476,0.613], df[0.490,0.130], g[1.791,0.131]
2/2 [=====] - 0s 70ms/step
>1282, dr[0.560,0.390], df[0.390,0.093], g[1.826,0.086]
2/2 [=====] - 0s 58ms/step
>1283, dr[0.555,0.667], df[0.493,0.250], g[1.494,0.091]
2/2 [=====] - 0s 57ms/step
>1284, dr[0.412,0.678], df[0.533,0.122], g[1.676,0.085]
2/2 [=====] - 0s 58ms/step
>1285, dr[0.409,0.459], df[0.504,0.137], g[1.791,0.163]
2/2 [=====] - 0s 63ms/step
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>1286, dr[0.527,0.386], df[0.520,0.213], g[1.940,0.104]
2/2 [=====] - 0s 62ms/step
>1287, dr[0.506,0.382], df[0.424,0.118], g[1.706,0.139]
2/2 [=====] - 0s 67ms/step
>1288, dr[0.484,0.617], df[0.467,0.090], g[1.629,0.075]
2/2 [=====] - 0s 83ms/step
>1289, dr[0.443,0.546], df[0.585,0.107], g[2.055,0.167]
2/2 [=====] - 0s 65ms/step
>1290, dr[0.482,0.651], df[0.585,0.120], g[1.693,0.106]
2/2 [=====] - 0s 60ms/step
>1291, dr[0.598,0.632], df[0.527,0.165], g[1.755,0.110]
2/2 [=====] - 0s 61ms/step
>1292, dr[0.478,0.317], df[0.644,0.064], g[1.922,0.096]
2/2 [=====] - 0s 61ms/step
>1293, dr[0.591,0.628], df[0.546,0.057], g[1.805,0.097]
2/2 [=====] - 0s 59ms/step
>1294, dr[0.509,0.451], df[0.574,0.130], g[1.930,0.068]
2/2 [=====] - 0s 59ms/step
>1295, dr[0.677,0.912], df[0.473,0.069], g[1.587,0.128]
2/2 [=====] - 0s 60ms/step
>1296, dr[0.619,0.594], df[0.753,0.130], g[1.895,0.098]
2/2 [=====] - 0s 68ms/step
>1297, dr[0.548,0.457], df[0.425,0.209], g[1.793,0.111]
2/2 [=====] - 0s 63ms/step
>1298, dr[0.509,0.355], df[0.479,0.123], g[1.817,0.138]
2/2 [=====] - 0s 61ms/step
>1299, dr[0.529,0.417], df[0.611,0.108], g[1.908,0.046]
2/2 [=====] - 0s 62ms/step
>1300, dr[0.487,0.584], df[0.431,0.255], g[1.855,0.086]
2/2 [=====] - 0s 61ms/step
>1301, dr[0.467,0.672], df[0.610,0.070], g[1.876,0.152]
2/2 [=====] - 0s 63ms/step
>1302, dr[0.657,0.645], df[0.498,0.108], g[1.942,0.099]
2/2 [=====] - 0s 65ms/step
>1303, dr[0.698,0.728], df[0.535,0.058], g[1.598,0.081]
2/2 [=====] - 0s 64ms/step
>1304, dr[0.481,0.519], df[0.646,0.075], g[1.858,0.040]
2/2 [=====] - 0s 61ms/step
>1305, dr[0.584,0.817], df[0.426,0.127], g[1.913,0.071]
2/2 [=====] - 0s 63ms/step
>1306, dr[0.670,0.596], df[0.421,0.084], g[1.405,0.167]
2/2 [=====] - 0s 63ms/step
>1307, dr[0.495,0.840], df[0.883,0.162], g[1.451,0.071]
2/2 [=====] - 0s 75ms/step
>1308, dr[0.447,0.810], df[0.580,0.108], g[1.578,0.106]
2/2 [=====] - 0s 73ms/step
>1309, dr[0.390,0.406], df[0.494,0.101], g[1.893,0.079]
2/2 [=====] - 0s 66ms/step
>1310, dr[0.699,0.669], df[0.574,0.091], g[1.584,0.095]
2/2 [=====] - 0s 68ms/step
>1311, dr[0.420,0.646], df[0.539,0.234], g[1.679,0.188]
2/2 [=====] - 0s 66ms/step
>1312, dr[0.470,0.642], df[0.363,0.137], g[1.705,0.097]
2/2 [=====] - 0s 62ms/step
>1313, dr[0.430,0.410], df[0.638,0.210], g[1.813,0.099]
2/2 [=====] - 0s 65ms/step
>1314, dr[0.578,0.374], df[0.454,0.141], g[1.849,0.091]
2/2 [=====] - 0s 63ms/step
>1315, dr[0.707,0.469], df[0.663,0.206], g[1.700,0.207]
2/2 [=====] - 0s 63ms/step
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>1316, dr[0.387,0.429], df[0.461,0.154], g[1.770,0.173]
2/2 [=====] - 0s 63ms/step
>1317, dr[0.366,0.369], df[0.420,0.089], g[1.941,0.145]
2/2 [=====] - 0s 65ms/step
>1318, dr[0.659,0.408], df[0.578,0.089], g[1.619,0.169]
2/2 [=====] - 0s 60ms/step
>1319, dr[0.471,0.402], df[0.611,0.120], g[1.814,0.045]
2/2 [=====] - 0s 71ms/step
>1320, dr[0.587,0.670], df[0.507,0.087], g[1.756,0.096]
2/2 [=====] - 0s 66ms/step
>1321, dr[0.331,0.483], df[0.507,0.070], g[1.671,0.129]
2/2 [=====] - 0s 65ms/step
>1322, dr[0.569,0.387], df[0.397,0.113], g[1.727,0.120]
2/2 [=====] - 0s 58ms/step
>1323, dr[0.556,0.469], df[0.494,0.024], g[1.749,0.104]
2/2 [=====] - 0s 63ms/step
>1324, dr[0.420,0.627], df[0.524,0.059], g[1.574,0.074]
2/2 [=====] - 0s 65ms/step
>1325, dr[0.586,0.935], df[0.415,0.055], g[1.451,0.155]
2/2 [=====] - 0s 63ms/step
>1326, dr[0.528,0.699], df[0.430,0.095], g[1.495,0.160]
2/2 [=====] - 0s 61ms/step
>1327, dr[0.458,0.507], df[0.490,0.136], g[1.412,0.130]
2/2 [=====] - 0s 58ms/step
>1328, dr[0.418,0.620], df[0.560,0.094], g[1.750,0.053]
2/2 [=====] - 0s 69ms/step
>1329, dr[0.479,0.510], df[0.496,0.114], g[1.917,0.064]
2/2 [=====] - 0s 59ms/step
>1330, dr[0.492,0.625], df[0.413,0.074], g[1.748,0.055]
2/2 [=====] - 0s 71ms/step
>1331, dr[0.419,0.594], df[0.455,0.142], g[1.857,0.114]
2/2 [=====] - 0s 70ms/step
>1332, dr[0.464,0.608], df[0.368,0.071], g[1.559,0.106]
2/2 [=====] - 0s 65ms/step
>1333, dr[0.629,0.543], df[0.760,0.103], g[1.400,0.176]
2/2 [=====] - 0s 64ms/step
>1334, dr[0.421,0.766], df[0.443,0.054], g[1.711,0.084]
2/2 [=====] - 0s 77ms/step
>1335, dr[0.483,0.483], df[0.524,0.072], g[1.648,0.115]
2/2 [=====] - 0s 62ms/step
>1336, dr[0.487,0.470], df[0.549,0.154], g[1.907,0.074]
2/2 [=====] - 0s 63ms/step
>1337, dr[0.634,0.741], df[0.473,0.065], g[1.880,0.132]
2/2 [=====] - 0s 61ms/step
>1338, dr[0.527,0.377], df[0.511,0.092], g[1.680,0.066]
2/2 [=====] - 0s 65ms/step
>1339, dr[0.576,0.722], df[0.587,0.062], g[1.595,0.093]
2/2 [=====] - 0s 59ms/step
>1340, dr[0.385,1.188], df[0.463,0.156], g[1.747,0.129]
2/2 [=====] - 0s 65ms/step
>1341, dr[0.521,0.577], df[0.513,0.153], g[1.759,0.152]
2/2 [=====] - 0s 64ms/step
>1342, dr[0.470,0.407], df[0.361,0.138], g[1.755,0.136]
2/2 [=====] - 0s 60ms/step
>1343, dr[0.494,0.729], df[0.577,0.174], g[1.626,0.192]
2/2 [=====] - 0s 63ms/step
>1344, dr[0.531,0.465], df[0.679,0.107], g[1.759,0.100]
2/2 [=====] - 0s 59ms/step
>1345, dr[0.633,0.702], df[0.630,0.146], g[1.723,0.123]
2/2 [=====] - 0s 69ms/step
```

```
>1346, dr[0.456,0.815], df[0.706,0.184], g[1.963,0.161]
2/2 [=====] - 0s 70ms/step
>1347, dr[0.715,0.581], df[0.405,0.178], g[1.759,0.064]
2/2 [=====] - 0s 59ms/step
>1348, dr[0.463,0.606], df[0.592,0.275], g[1.704,0.082]
2/2 [=====] - 0s 64ms/step
>1349, dr[0.587,0.595], df[0.508,0.080], g[1.858,0.165]
2/2 [=====] - 0s 59ms/step
>1350, dr[0.462,0.706], df[0.523,0.156], g[1.949,0.067]
2/2 [=====] - 0s 58ms/step
>1351, dr[0.572,0.794], df[0.499,0.103], g[1.926,0.084]
2/2 [=====] - 0s 66ms/step
>1352, dr[0.471,0.462], df[0.407,0.127], g[1.744,0.122]
2/2 [=====] - 0s 64ms/step
>1353, dr[0.515,0.290], df[0.576,0.131], g[1.778,0.100]
2/2 [=====] - 0s 63ms/step
>1354, dr[0.520,0.825], df[0.391,0.048], g[1.588,0.138]
2/2 [=====] - 0s 60ms/step
>1355, dr[0.423,0.521], df[0.545,0.084], g[1.494,0.165]
2/2 [=====] - 0s 58ms/step
>1356, dr[0.458,0.724], df[0.543,0.043], g[1.959,0.100]
2/2 [=====] - 0s 61ms/step
>1357, dr[0.598,0.806], df[0.485,0.159], g[1.735,0.112]
2/2 [=====] - 0s 59ms/step
>1358, dr[0.375,0.580], df[0.433,0.176], g[1.809,0.094]
2/2 [=====] - 0s 64ms/step
>1359, dr[0.490,0.723], df[0.439,0.106], g[1.649,0.128]
2/2 [=====] - 0s 61ms/step
>1360, dr[0.449,0.761], df[0.551,0.085], g[1.667,0.094]
2/2 [=====] - 0s 63ms/step
>1361, dr[0.441,0.310], df[0.658,0.147], g[1.991,0.122]
2/2 [=====] - 0s 59ms/step
>1362, dr[0.508,0.379], df[0.389,0.112], g[1.948,0.137]
2/2 [=====] - 0s 58ms/step
>1363, dr[0.439,0.511], df[0.582,0.101], g[1.747,0.076]
2/2 [=====] - 0s 60ms/step
>1364, dr[0.582,0.499], df[0.441,0.122], g[1.566,0.151]
2/2 [=====] - 0s 62ms/step
>1365, dr[0.440,0.561], df[0.500,0.093], g[1.614,0.154]
2/2 [=====] - 0s 64ms/step
>1366, dr[0.498,0.680], df[0.426,0.079], g[1.633,0.094]
2/2 [=====] - 0s 66ms/step
>1367, dr[0.509,0.412], df[0.500,0.084], g[1.675,0.101]
2/2 [=====] - 0s 68ms/step
>1368, dr[0.338,0.823], df[0.400,0.076], g[1.830,0.057]
2/2 [=====] - 0s 57ms/step
>1369, dr[0.446,0.749], df[0.452,0.134], g[1.623,0.111]
2/2 [=====] - 0s 61ms/step
>1370, dr[0.440,0.897], df[0.460,0.115], g[1.711,0.106]
2/2 [=====] - 0s 60ms/step
>1371, dr[0.527,0.716], df[0.567,0.106], g[1.574,0.080]
2/2 [=====] - 0s 59ms/step
>1372, dr[0.380,0.766], df[0.407,0.048], g[1.654,0.084]
2/2 [=====] - 0s 60ms/step
>1373, dr[0.432,0.565], df[0.397,0.090], g[1.684,0.113]
2/2 [=====] - 0s 59ms/step
>1374, dr[0.546,0.740], df[0.522,0.106], g[1.708,0.076]
2/2 [=====] - 0s 95ms/step
>1375, dr[0.432,0.501], df[0.464,0.116], g[1.704,0.120]
2/2 [=====] - 0s 60ms/step
```

```

>1376, dr[0.644,0.720], df[0.439,0.052], g[1.740,0.072]
2/2 [=====] - 0s 57ms/step
>1377, dr[0.411,0.515], df[0.450,0.060], g[1.612,0.142]
2/2 [=====] - 0s 58ms/step
>1378, dr[0.375,0.773], df[0.442,0.045], g[1.940,0.179]
2/2 [=====] - 0s 60ms/step
>1379, dr[0.384,0.427], df[0.383,0.075], g[2.072,0.078]
2/2 [=====] - 0s 63ms/step
>1380, dr[0.839,0.709], df[0.574,0.086], g[1.750,0.141]
2/2 [=====] - 0s 64ms/step
>1381, dr[0.418,0.640], df[0.474,0.165], g[1.729,0.165]
2/2 [=====] - 0s 65ms/step
>1382, dr[0.363,0.670], df[0.422,0.125], g[1.578,0.075]
2/2 [=====] - 0s 59ms/step
>1383, dr[0.496,0.588], df[0.539,0.112], g[1.840,0.111]
2/2 [=====] - 0s 60ms/step
>1384, dr[0.543,0.767], df[0.511,0.094], g[1.536,0.132]
2/2 [=====] - 0s 59ms/step
>1385, dr[0.410,0.476], df[0.483,0.077], g[1.996,0.142]
2/2 [=====] - 0s 59ms/step
>1386, dr[0.636,0.717], df[0.376,0.063], g[1.703,0.127]
2/2 [=====] - 0s 58ms/step
>1387, dr[0.468,0.726], df[0.600,0.125], g[1.658,0.098]
2/2 [=====] - 0s 61ms/step
>1388, dr[0.368,0.805], df[0.611,0.078], g[1.830,0.126]
2/2 [=====] - 0s 64ms/step
>1389, dr[0.569,0.525], df[0.477,0.163], g[1.779,0.171]
2/2 [=====] - 0s 66ms/step
>1390, dr[0.564,0.757], df[0.484,0.068], g[1.783,0.088]
2/2 [=====] - 0s 61ms/step
>1391, dr[0.419,0.603], df[0.451,0.062], g[1.742,0.064]
2/2 [=====] - 0s 72ms/step
>1392, dr[0.382,0.745], df[0.483,0.096], g[1.745,0.181]
2/2 [=====] - 0s 57ms/step
>1393, dr[0.474,0.560], df[0.483,0.188], g[1.900,0.136]
2/2 [=====] - 0s 58ms/step
>1394, dr[0.491,0.421], df[0.509,0.204], g[1.674,0.112]
2/2 [=====] - 0s 60ms/step
>1395, dr[0.531,0.771], df[0.605,0.153], g[2.197,0.167]
2/2 [=====] - 0s 59ms/step
>1396, dr[0.578,0.462], df[0.498,0.056], g[1.928,0.140]
2/2 [=====] - 0s 67ms/step
>1397, dr[0.615,0.434], df[0.499,0.095], g[1.738,0.078]
2/2 [=====] - 0s 69ms/step
>1398, dr[0.369,0.492], df[0.427,0.091], g[1.727,0.120]
2/2 [=====] - 0s 70ms/step
>1399, dr[0.475,1.032], df[0.501,0.152], g[1.862,0.101]
2/2 [=====] - 0s 63ms/step
>1400, dr[0.626,0.882], df[0.483,0.085], g[1.530,0.171]
2/2 [=====] - 0s 64ms/step
>1401, dr[0.391,0.506], df[0.529,0.058], g[1.659,0.106]
2/2 [=====] - 0s 62ms/step
>1402, dr[0.415,0.631], df[0.382,0.118], g[1.947,0.120]
2/2 [=====] - 0s 61ms/step
>1403, dr[0.453,0.710], df[0.333,0.085], g[1.736,0.075]
2/2 [=====] - 0s 61ms/step
>1404, dr[0.522,0.279], df[0.471,0.150], g[1.594,0.105]
4/4 [=====] - 0s 50ms/step

```

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be built. `model.compile_metrics` will be empty until you train or evaluate the model.

```
>Saved: generated_plot_1404.png and model_1404.h5
2/2 [=====] - 0s 64ms/step
>1405, dr[0.626,0.492], df[0.539,0.119], g[1.564,0.050]
2/2 [=====] - 0s 65ms/step
>1406, dr[0.319,0.634], df[0.387,0.055], g[1.581,0.096]
2/2 [=====] - 0s 60ms/step
>1407, dr[0.441,0.392], df[0.596,0.122], g[1.589,0.196]
2/2 [=====] - 0s 65ms/step
>1408, dr[0.718,0.576], df[0.661,0.148], g[1.740,0.073]
2/2 [=====] - 0s 59ms/step
>1409, dr[0.377,0.274], df[0.547,0.062], g[1.712,0.121]
2/2 [=====] - 0s 60ms/step
>1410, dr[0.453,0.490], df[0.382,0.085], g[2.151,0.061]
2/2 [=====] - 0s 68ms/step
>1411, dr[0.482,0.754], df[0.403,0.130], g[1.717,0.116]
2/2 [=====] - 0s 61ms/step
>1412, dr[0.426,0.688], df[0.453,0.210], g[1.690,0.084]
2/2 [=====] - 0s 63ms/step
>1413, dr[0.453,0.731], df[0.386,0.084], g[1.698,0.102]
2/2 [=====] - 0s 72ms/step
>1414, dr[0.389,0.479], df[0.451,0.084], g[1.685,0.116]
2/2 [=====] - 0s 60ms/step
>1415, dr[0.436,1.070], df[0.590,0.155], g[1.785,0.135]
2/2 [=====] - 0s 64ms/step
>1416, dr[0.371,0.691], df[0.488,0.340], g[1.881,0.126]
2/2 [=====] - 0s 67ms/step
>1417, dr[0.536,0.621], df[0.435,0.114], g[2.002,0.105]
2/2 [=====] - 0s 61ms/step
>1418, dr[0.482,0.553], df[0.437,0.164], g[1.760,0.088]
2/2 [=====] - 0s 62ms/step
>1419, dr[0.544,0.620], df[0.506,0.061], g[1.725,0.069]
2/2 [=====] - 0s 63ms/step
>1420, dr[0.504,0.548], df[0.588,0.149], g[1.848,0.093]
2/2 [=====] - 0s 66ms/step
>1421, dr[0.516,0.468], df[0.590,0.123], g[2.053,0.107]
2/2 [=====] - 0s 65ms/step
>1422, dr[0.557,0.445], df[0.373,0.104], g[1.785,0.088]
2/2 [=====] - 0s 67ms/step
>1423, dr[0.538,0.531], df[0.456,0.204], g[1.821,0.059]
2/2 [=====] - 0s 68ms/step
>1424, dr[0.493,0.628], df[0.457,0.058], g[1.840,0.147]
2/2 [=====] - 0s 63ms/step
>1425, dr[0.393,0.665], df[0.486,0.320], g[1.909,0.131]
2/2 [=====] - 0s 70ms/step
>1426, dr[0.490,0.598], df[0.386,0.088], g[1.599,0.216]
2/2 [=====] - 0s 66ms/step
>1427, dr[0.471,0.654], df[0.538,0.078], g[1.692,0.084]
2/2 [=====] - 0s 63ms/step
>1428, dr[0.617,0.614], df[0.569,0.160], g[1.687,0.094]
2/2 [=====] - 0s 65ms/step
>1429, dr[0.562,0.935], df[0.479,0.079], g[1.573,0.109]
2/2 [=====] - 0s 74ms/step
>1430, dr[0.358,0.711], df[0.576,0.082], g[1.757,0.138]
2/2 [=====] - 0s 73ms/step
>1431, dr[0.408,0.893], df[0.524,0.088], g[1.837,0.086]
2/2 [=====] - 0s 62ms/step
>1432, dr[0.524,0.595], df[0.384,0.124], g[1.942,0.071]
2/2 [=====] - 0s 63ms/step
>1433, dr[0.482,0.592], df[0.405,0.059], g[1.489,0.124]
2/2 [=====] - 0s 63ms/step
```

```
>1434, dr[0.456,0.408], df[0.570,0.102], g[1.822,0.081]
2/2 [=====] - 0s 72ms/step
>1435, dr[0.408,0.461], df[0.392,0.169], g[1.782,0.103]
2/2 [=====] - 0s 61ms/step
>1436, dr[0.520,0.677], df[0.562,0.076], g[1.981,0.138]
2/2 [=====] - 0s 62ms/step
>1437, dr[0.621,0.528], df[0.478,0.108], g[1.730,0.075]
2/2 [=====] - 0s 95ms/step
>1438, dr[0.432,0.399], df[0.418,0.052], g[1.726,0.085]
2/2 [=====] - 0s 61ms/step
>1439, dr[0.508,0.358], df[0.615,0.214], g[1.701,0.204]
2/2 [=====] - 0s 63ms/step
>1440, dr[0.548,0.572], df[0.563,0.111], g[1.850,0.149]
2/2 [=====] - 0s 63ms/step
>1441, dr[0.504,0.502], df[0.356,0.091], g[1.674,0.105]
2/2 [=====] - 0s 61ms/step
>1442, dr[0.616,0.574], df[0.577,0.187], g[1.521,0.171]
2/2 [=====] - 0s 64ms/step
>1443, dr[0.374,0.653], df[0.544,0.234], g[1.724,0.038]
2/2 [=====] - 0s 59ms/step
>1444, dr[0.342,0.543], df[0.426,0.099], g[1.938,0.070]
2/2 [=====] - 0s 59ms/step
>1445, dr[0.391,0.551], df[0.420,0.126], g[1.898,0.098]
2/2 [=====] - 0s 85ms/step
>1446, dr[0.462,0.586], df[0.480,0.130], g[1.842,0.043]
2/2 [=====] - 0s 63ms/step
>1447, dr[0.489,0.400], df[0.611,0.084], g[1.837,0.134]
2/2 [=====] - 0s 60ms/step
>1448, dr[0.564,0.441], df[0.383,0.095], g[1.814,0.156]
2/2 [=====] - 0s 60ms/step
>1449, dr[0.470,0.626], df[0.415,0.117], g[1.634,0.144]
2/2 [=====] - 0s 60ms/step
>1450, dr[0.345,0.346], df[0.852,0.230], g[1.982,0.157]
2/2 [=====] - 0s 61ms/step
>1451, dr[0.561,0.571], df[0.375,0.111], g[2.139,0.089]
2/2 [=====] - 0s 60ms/step
>1452, dr[0.638,0.936], df[0.370,0.060], g[1.590,0.124]
2/2 [=====] - 0s 61ms/step
>1453, dr[0.398,0.528], df[0.506,0.150], g[1.619,0.109]
2/2 [=====] - 0s 63ms/step
>1454, dr[0.365,0.756], df[0.448,0.194], g[2.014,0.190]
2/2 [=====] - 0s 68ms/step
>1455, dr[0.586,0.613], df[0.572,0.110], g[1.829,0.150]
2/2 [=====] - 0s 61ms/step
>1456, dr[0.556,0.650], df[0.515,0.112], g[1.811,0.089]
2/2 [=====] - 0s 61ms/step
>1457, dr[0.420,0.625], df[0.542,0.133], g[1.742,0.104]
2/2 [=====] - 0s 58ms/step
>1458, dr[0.509,0.667], df[0.476,0.125], g[1.880,0.103]
2/2 [=====] - 0s 62ms/step
>1459, dr[0.498,0.539], df[0.498,0.091], g[1.697,0.099]
2/2 [=====] - 0s 59ms/step
>1460, dr[0.411,0.555], df[0.562,0.041], g[2.041,0.073]
2/2 [=====] - 0s 60ms/step
>1461, dr[0.522,0.600], df[0.311,0.125], g[1.719,0.053]
2/2 [=====] - 0s 64ms/step
>1462, dr[0.477,0.350], df[0.603,0.123], g[1.566,0.056]
2/2 [=====] - 0s 59ms/step
>1463, dr[0.401,0.478], df[0.286,0.062], g[1.721,0.047]
2/2 [=====] - 0s 64ms/step
```

```
>1464, dr[0.358,0.738], df[0.506,0.065], g[1.778,0.113]
2/2 [=====] - 0s 67ms/step
>1465, dr[0.409,0.487], df[0.477,0.130], g[1.765,0.153]
2/2 [=====] - 0s 58ms/step
>1466, dr[0.625,0.576], df[0.446,0.174], g[2.003,0.073]
2/2 [=====] - 0s 63ms/step
>1467, dr[0.534,0.799], df[0.488,0.125], g[1.715,0.087]
2/2 [=====] - 0s 59ms/step
>1468, dr[0.416,0.759], df[0.598,0.128], g[1.657,0.094]
2/2 [=====] - 0s 61ms/step
>1469, dr[0.489,0.680], df[0.416,0.069], g[1.631,0.145]
2/2 [=====] - 0s 68ms/step
>1470, dr[0.448,0.496], df[0.603,0.057], g[1.715,0.078]
2/2 [=====] - 0s 62ms/step
>1471, dr[0.498,0.541], df[0.481,0.156], g[1.700,0.109]
2/2 [=====] - 0s 64ms/step
>1472, dr[0.592,0.717], df[0.557,0.065], g[1.558,0.107]
2/2 [=====] - 0s 65ms/step
>1473, dr[0.423,0.759], df[0.574,0.119], g[1.802,0.048]
2/2 [=====] - 0s 63ms/step
>1474, dr[0.502,0.624], df[0.582,0.082], g[1.734,0.096]
2/2 [=====] - 0s 58ms/step
>1475, dr[0.439,0.488], df[0.438,0.165], g[1.886,0.141]
2/2 [=====] - 0s 60ms/step
>1476, dr[0.463,0.429], df[0.553,0.082], g[1.717,0.119]
2/2 [=====] - 0s 59ms/step
>1477, dr[0.537,0.390], df[0.409,0.115], g[1.724,0.112]
2/2 [=====] - 0s 63ms/step
>1478, dr[0.434,0.642], df[0.621,0.112], g[1.848,0.098]
2/2 [=====] - 0s 60ms/step
>1479, dr[0.531,0.373], df[0.572,0.144], g[2.071,0.077]
2/2 [=====] - 0s 58ms/step
>1480, dr[0.615,0.647], df[0.415,0.069], g[1.810,0.095]
2/2 [=====] - 0s 59ms/step
>1481, dr[0.605,0.590], df[0.526,0.068], g[1.818,0.123]
2/2 [=====] - 0s 59ms/step
>1482, dr[0.369,0.647], df[0.553,0.141], g[1.906,0.059]
2/2 [=====] - 0s 63ms/step
>1483, dr[0.720,0.564], df[0.475,0.204], g[1.720,0.097]
2/2 [=====] - 0s 60ms/step
>1484, dr[0.394,0.402], df[0.567,0.083], g[1.854,0.124]
2/2 [=====] - 0s 59ms/step
>1485, dr[0.514,0.478], df[0.453,0.104], g[1.480,0.062]
2/2 [=====] - 0s 65ms/step
>1486, dr[0.584,0.648], df[0.718,0.112], g[1.865,0.106]
2/2 [=====] - 0s 63ms/step
>1487, dr[0.700,0.406], df[0.438,0.176], g[1.510,0.079]
2/2 [=====] - 0s 63ms/step
>1488, dr[0.463,0.513], df[0.438,0.086], g[1.409,0.134]
2/2 [=====] - 0s 64ms/step
>1489, dr[0.419,0.596], df[0.592,0.209], g[1.458,0.117]
2/2 [=====] - 0s 63ms/step
>1490, dr[0.380,0.698], df[0.528,0.079], g[2.018,0.078]
2/2 [=====] - 0s 62ms/step
>1491, dr[0.654,0.486], df[0.496,0.124], g[1.778,0.096]
2/2 [=====] - 0s 59ms/step
>1492, dr[0.560,0.535], df[0.561,0.097], g[1.549,0.147]
2/2 [=====] - 0s 60ms/step
>1493, dr[0.442,0.449], df[0.537,0.113], g[1.847,0.087]
2/2 [=====] - 0s 64ms/step
```

```
>1494, dr[0.577,0.452], df[0.424,0.206], g[1.529,0.179]
2/2 [=====] - 0s 66ms/step
>1495, dr[0.550,0.556], df[0.732,0.177], g[1.667,0.086]
2/2 [=====] - 0s 62ms/step
>1496, dr[0.608,0.505], df[0.349,0.077], g[1.754,0.058]
2/2 [=====] - 0s 62ms/step
>1497, dr[0.379,0.427], df[0.691,0.097], g[1.749,0.072]
2/2 [=====] - 0s 63ms/step
>1498, dr[0.437,0.562], df[0.405,0.088], g[1.940,0.075]
2/2 [=====] - 0s 65ms/step
>1499, dr[0.567,0.607], df[0.471,0.040], g[1.676,0.112]
2/2 [=====] - 0s 62ms/step
>1500, dr[0.578,0.756], df[0.428,0.149], g[1.592,0.142]
2/2 [=====] - 0s 61ms/step
>1501, dr[0.454,0.702], df[0.551,0.083], g[1.487,0.153]
2/2 [=====] - 0s 61ms/step
>1502, dr[0.477,0.398], df[0.489,0.091], g[1.765,0.054]
2/2 [=====] - 0s 66ms/step
>1503, dr[0.591,0.929], df[0.582,0.200], g[1.595,0.162]
2/2 [=====] - 0s 61ms/step
>1504, dr[0.669,0.651], df[0.472,0.143], g[1.479,0.172]
2/2 [=====] - 0s 65ms/step
>1505, dr[0.337,0.611], df[0.446,0.047], g[1.679,0.124]
2/2 [=====] - 0s 67ms/step
>1506, dr[0.457,0.515], df[0.475,0.133], g[1.911,0.085]
2/2 [=====] - 0s 63ms/step
>1507, dr[0.601,0.557], df[0.456,0.044], g[1.609,0.106]
2/2 [=====] - 0s 70ms/step
>1508, dr[0.485,0.419], df[0.532,0.068], g[1.424,0.064]
2/2 [=====] - 0s 76ms/step
>1509, dr[0.340,0.519], df[0.741,0.122], g[1.821,0.125]
2/2 [=====] - 0s 79ms/step
>1510, dr[0.451,0.482], df[0.329,0.049], g[2.066,0.053]
2/2 [=====] - 0s 76ms/step
>1511, dr[0.582,0.648], df[0.457,0.050], g[1.713,0.091]
2/2 [=====] - 0s 70ms/step
>1512, dr[0.598,0.459], df[0.581,0.108], g[1.806,0.080]
2/2 [=====] - 0s 74ms/step
>1513, dr[0.360,0.551], df[0.485,0.084], g[1.857,0.078]
2/2 [=====] - 0s 75ms/step
>1514, dr[0.609,0.559], df[0.412,0.094], g[1.764,0.054]
2/2 [=====] - 0s 74ms/step
>1515, dr[0.484,0.533], df[0.613,0.176], g[2.005,0.095]
2/2 [=====] - 0s 80ms/step
>1516, dr[0.368,0.630], df[0.456,0.140], g[1.746,0.092]
2/2 [=====] - 0s 60ms/step
>1517, dr[0.563,0.594], df[0.472,0.075], g[1.648,0.076]
2/2 [=====] - 0s 61ms/step
>1518, dr[0.529,0.684], df[0.648,0.064], g[1.795,0.126]
2/2 [=====] - 0s 62ms/step
>1519, dr[0.403,0.639], df[0.511,0.106], g[1.923,0.057]
2/2 [=====] - 0s 72ms/step
>1520, dr[0.482,0.372], df[0.360,0.100], g[1.720,0.146]
2/2 [=====] - 0s 68ms/step
>1521, dr[0.590,0.666], df[0.400,0.157], g[1.680,0.074]
2/2 [=====] - 0s 66ms/step
>1522, dr[0.407,0.690], df[0.448,0.084], g[1.619,0.077]
2/2 [=====] - 0s 100ms/step
>1523, dr[0.438,0.520], df[0.690,0.128], g[1.746,0.113]
2/2 [=====] - 0s 65ms/step
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>1524, dr[0.506,0.591], df[0.558,0.081], g[1.876,0.060]
2/2 [=====] - 0s 58ms/step
>1525, dr[0.676,0.860], df[0.384,0.151], g[1.503,0.073]
2/2 [=====] - 0s 63ms/step
>1526, dr[0.482,0.807], df[0.518,0.069], g[1.574,0.107]
2/2 [=====] - 0s 68ms/step
>1527, dr[0.570,0.520], df[0.681,0.097], g[1.600,0.070]
2/2 [=====] - 0s 76ms/step
>1528, dr[0.428,0.695], df[0.561,0.142], g[1.590,0.178]
2/2 [=====] - 0s 64ms/step
>1529, dr[0.430,0.527], df[0.479,0.123], g[1.611,0.180]
2/2 [=====] - 0s 63ms/step
>1530, dr[0.617,0.641], df[0.478,0.066], g[1.621,0.056]
2/2 [=====] - 0s 63ms/step
>1531, dr[0.523,0.607], df[0.562,0.069], g[1.597,0.080]
2/2 [=====] - 0s 62ms/step
>1532, dr[0.471,0.997], df[0.474,0.083], g[1.671,0.066]
2/2 [=====] - 0s 60ms/step
>1533, dr[0.573,0.654], df[0.591,0.140], g[1.600,0.169]
2/2 [=====] - 0s 59ms/step
>1534, dr[0.427,0.510], df[0.421,0.029], g[1.712,0.172]
2/2 [=====] - 0s 67ms/step
>1535, dr[0.532,0.565], df[0.534,0.097], g[1.615,0.109]
2/2 [=====] - 0s 73ms/step
>1536, dr[0.455,0.531], df[0.437,0.074], g[1.591,0.085]
2/2 [=====] - 0s 68ms/step
>1537, dr[0.416,0.444], df[0.366,0.058], g[1.646,0.123]
2/2 [=====] - 0s 65ms/step
>1538, dr[0.472,0.533], df[0.534,0.104], g[1.541,0.161]
2/2 [=====] - 0s 66ms/step
>1539, dr[0.401,0.512], df[0.572,0.133], g[1.595,0.132]
2/2 [=====] - 0s 64ms/step
>1540, dr[0.511,0.729], df[0.536,0.152], g[1.835,0.081]
2/2 [=====] - 0s 60ms/step
>1541, dr[0.566,0.825], df[0.543,0.123], g[1.759,0.128]
2/2 [=====] - 0s 66ms/step
>1542, dr[0.529,0.700], df[0.447,0.101], g[1.596,0.121]
2/2 [=====] - 0s 61ms/step
>1543, dr[0.456,0.790], df[0.618,0.156], g[1.771,0.136]
2/2 [=====] - 0s 66ms/step
>1544, dr[0.452,0.628], df[0.383,0.065], g[1.801,0.159]
2/2 [=====] - 0s 64ms/step
>1545, dr[0.540,0.429], df[0.461,0.098], g[1.601,0.091]
2/2 [=====] - 0s 67ms/step
>1546, dr[0.488,0.710], df[0.594,0.076], g[1.735,0.184]
2/2 [=====] - 0s 70ms/step
>1547, dr[0.457,0.539], df[0.464,0.092], g[1.665,0.110]
2/2 [=====] - 0s 64ms/step
>1548, dr[0.502,0.313], df[0.611,0.108], g[1.629,0.117]
2/2 [=====] - 0s 69ms/step
>1549, dr[0.561,0.778], df[0.378,0.090], g[1.768,0.123]
2/2 [=====] - 0s 69ms/step
>1550, dr[0.376,0.406], df[0.482,0.078], g[1.653,0.099]
2/2 [=====] - 0s 65ms/step
>1551, dr[0.601,0.646], df[0.425,0.067], g[1.510,0.095]
2/2 [=====] - 0s 65ms/step
>1552, dr[0.468,0.458], df[0.560,0.078], g[1.621,0.131]
2/2 [=====] - 0s 70ms/step
>1553, dr[0.408,0.520], df[0.524,0.100], g[1.706,0.080]
2/2 [=====] - 0s 69ms/step
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>1554, dr[0.422,0.529], df[0.476,0.109], g[2.101,0.107]
2/2 [=====] - 0s 67ms/step
>1555, dr[0.711,0.721], df[0.680,0.114], g[1.599,0.091]
2/2 [=====] - 0s 72ms/step
>1556, dr[0.614,0.729], df[0.627,0.124], g[1.711,0.110]
2/2 [=====] - 0s 71ms/step
>1557, dr[0.680,0.730], df[0.469,0.059], g[1.791,0.131]
2/2 [=====] - 0s 65ms/step
>1558, dr[0.325,0.585], df[0.440,0.105], g[1.734,0.102]
2/2 [=====] - 0s 64ms/step
>1559, dr[0.467,0.701], df[0.436,0.088], g[1.810,0.089]
2/2 [=====] - 0s 63ms/step
>1560, dr[0.343,0.745], df[0.416,0.098], g[1.921,0.073]
2/2 [=====] - 0s 62ms/step
>1561, dr[0.402,0.526], df[0.582,0.120], g[1.895,0.149]
2/2 [=====] - 0s 66ms/step
>1562, dr[0.606,0.472], df[0.451,0.033], g[1.569,0.137]
2/2 [=====] - 0s 61ms/step
>1563, dr[0.499,0.753], df[0.512,0.179], g[1.659,0.075]
2/2 [=====] - 0s 68ms/step
>1564, dr[0.399,0.629], df[0.449,0.165], g[1.626,0.115]
2/2 [=====] - 0s 66ms/step
>1565, dr[0.336,0.334], df[0.360,0.082], g[1.715,0.129]
2/2 [=====] - 0s 59ms/step
>1566, dr[0.598,0.754], df[0.508,0.113], g[1.573,0.104]
2/2 [=====] - 0s 63ms/step
>1567, dr[0.343,0.795], df[0.497,0.153], g[1.688,0.125]
2/2 [=====] - 0s 65ms/step
>1568, dr[0.411,0.511], df[0.418,0.121], g[1.841,0.129]
2/2 [=====] - 0s 61ms/step
>1569, dr[0.458,0.492], df[0.516,0.116], g[1.834,0.072]
2/2 [=====] - 0s 60ms/step
>1570, dr[0.547,0.418], df[0.563,0.137], g[1.963,0.143]
2/2 [=====] - 0s 60ms/step
>1571, dr[0.507,0.818], df[0.511,0.061], g[1.776,0.079]
2/2 [=====] - 0s 60ms/step
>1572, dr[0.688,0.630], df[0.520,0.141], g[1.567,0.147]
2/2 [=====] - 0s 58ms/step
>1573, dr[0.371,0.500], df[0.563,0.079], g[1.620,0.164]
2/2 [=====] - 0s 58ms/step
>1574, dr[0.492,0.765], df[0.385,0.167], g[1.870,0.114]
2/2 [=====] - 0s 58ms/step
>1575, dr[0.489,0.554], df[0.444,0.054], g[1.716,0.142]
2/2 [=====] - 0s 59ms/step
>1576, dr[0.515,0.342], df[0.592,0.078], g[1.738,0.094]
2/2 [=====] - 0s 58ms/step
>1577, dr[0.505,0.785], df[0.444,0.123], g[1.609,0.109]
2/2 [=====] - 0s 60ms/step
>1578, dr[0.428,0.442], df[0.696,0.199], g[1.604,0.103]
2/2 [=====] - 0s 60ms/step
>1579, dr[0.558,0.595], df[0.563,0.114], g[1.514,0.064]
2/2 [=====] - 0s 64ms/step
>1580, dr[0.494,0.496], df[0.573,0.042], g[1.837,0.134]
2/2 [=====] - 0s 62ms/step
>1581, dr[0.507,0.574], df[0.512,0.206], g[1.859,0.127]
2/2 [=====] - 0s 70ms/step
>1582, dr[0.417,0.330], df[0.405,0.164], g[2.072,0.094]
2/2 [=====] - 0s 74ms/step
>1583, dr[0.505,0.602], df[0.387,0.130], g[1.831,0.115]
2/2 [=====] - 0s 64ms/step
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>1584, dr[0.390,0.777], df[0.459,0.130], g[1.904,0.038]
2/2 [=====] - 0s 64ms/step
>1585, dr[0.600,0.657], df[0.465,0.182], g[1.748,0.222]
2/2 [=====] - 0s 61ms/step
>1586, dr[0.422,0.551], df[0.594,0.092], g[1.502,0.144]
2/2 [=====] - 0s 62ms/step
>1587, dr[0.441,0.446], df[0.541,0.186], g[1.639,0.098]
2/2 [=====] - 0s 63ms/step
>1588, dr[0.353,0.438], df[0.574,0.075], g[2.009,0.128]
2/2 [=====] - 0s 66ms/step
>1589, dr[0.602,0.578], df[0.480,0.124], g[1.824,0.106]
2/2 [=====] - 0s 66ms/step
>1590, dr[0.630,1.099], df[0.586,0.108], g[1.484,0.073]
2/2 [=====] - 0s 63ms/step
>1591, dr[0.512,0.441], df[0.470,0.069], g[1.466,0.140]
2/2 [=====] - 0s 61ms/step
>1592, dr[0.371,0.613], df[0.540,0.074], g[1.560,0.095]
2/2 [=====] - 0s 65ms/step
>1593, dr[0.358,0.593], df[0.397,0.075], g[1.758,0.182]
2/2 [=====] - 0s 62ms/step
>1594, dr[0.464,0.849], df[0.446,0.144], g[1.795,0.126]
2/2 [=====] - 0s 65ms/step
>1595, dr[0.505,0.612], df[0.496,0.144], g[1.799,0.069]
2/2 [=====] - 0s 59ms/step
>1596, dr[0.707,0.613], df[0.556,0.099], g[1.599,0.090]
2/2 [=====] - 0s 59ms/step
>1597, dr[0.427,0.634], df[0.686,0.114], g[2.021,0.112]
2/2 [=====] - 0s 58ms/step
>1598, dr[0.559,0.880], df[0.523,0.063], g[1.674,0.095]
2/2 [=====] - 0s 60ms/step
>1599, dr[0.522,0.801], df[0.352,0.149], g[1.819,0.067]
2/2 [=====] - 0s 66ms/step
>1600, dr[0.536,0.687], df[0.531,0.102], g[1.386,0.120]
2/2 [=====] - 0s 63ms/step
>1601, dr[0.410,0.555], df[0.649,0.123], g[1.914,0.079]
2/2 [=====] - 0s 58ms/step
>1602, dr[0.569,0.910], df[0.405,0.159], g[1.737,0.132]
2/2 [=====] - 0s 61ms/step
>1603, dr[0.427,0.476], df[0.334,0.044], g[1.840,0.111]
2/2 [=====] - 0s 62ms/step
>1604, dr[0.384,0.653], df[0.466,0.080], g[1.834,0.095]
2/2 [=====] - 0s 62ms/step
>1605, dr[0.451,0.427], df[0.478,0.081], g[1.699,0.157]
2/2 [=====] - 0s 66ms/step
>1606, dr[0.519,0.361], df[0.638,0.070], g[1.834,0.190]
2/2 [=====] - 0s 62ms/step
>1607, dr[0.688,0.750], df[0.561,0.137], g[1.670,0.122]
2/2 [=====] - 0s 66ms/step
>1608, dr[0.467,1.102], df[0.451,0.246], g[1.606,0.111]
2/2 [=====] - 0s 64ms/step
>1609, dr[0.545,0.722], df[0.459,0.085], g[1.659,0.120]
2/2 [=====] - 0s 59ms/step
>1610, dr[0.299,0.639], df[0.485,0.127], g[1.752,0.109]
2/2 [=====] - 0s 61ms/step
>1611, dr[0.526,0.798], df[0.368,0.170], g[1.336,0.236]
2/2 [=====] - 0s 58ms/step
>1612, dr[0.406,0.452], df[0.735,0.107], g[1.509,0.101]
2/2 [=====] - 0s 60ms/step
>1613, dr[0.632,0.373], df[0.403,0.122], g[1.547,0.121]
2/2 [=====] - 0s 59ms/step
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>1614, dr[0.463,0.487], df[0.523,0.082], g[1.817,0.099]
2/2 [=====] - 0s 57ms/step
>1615, dr[0.434,0.351], df[0.623,0.158], g[1.973,0.089]
2/2 [=====] - 0s 69ms/step
>1616, dr[0.623,0.692], df[0.409,0.105], g[1.758,0.226]
2/2 [=====] - 0s 63ms/step
>1617, dr[0.648,0.788], df[0.626,0.138], g[1.633,0.066]
2/2 [=====] - 0s 57ms/step
>1618, dr[0.450,0.659], df[0.453,0.153], g[1.829,0.207]
2/2 [=====] - 0s 66ms/step
>1619, dr[0.537,0.677], df[0.417,0.136], g[1.525,0.108]
2/2 [=====] - 0s 63ms/step
>1620, dr[0.307,0.286], df[0.612,0.188], g[1.912,0.127]
2/2 [=====] - 0s 62ms/step
>1621, dr[0.486,0.392], df[0.405,0.131], g[1.789,0.105]
2/2 [=====] - 0s 63ms/step
>1622, dr[0.477,0.769], df[0.444,0.088], g[1.656,0.165]
2/2 [=====] - 0s 63ms/step
>1623, dr[0.590,0.770], df[0.558,0.141], g[1.231,0.089]
2/2 [=====] - 0s 62ms/step
>1624, dr[0.371,0.675], df[0.608,0.103], g[1.940,0.089]
2/2 [=====] - 0s 60ms/step
>1625, dr[0.611,0.692], df[0.609,0.100], g[1.749,0.055]
2/2 [=====] - 0s 58ms/step
>1626, dr[0.503,0.534], df[0.416,0.074], g[1.727,0.104]
2/2 [=====] - 0s 68ms/step
>1627, dr[0.483,0.672], df[0.573,0.117], g[1.467,0.053]
2/2 [=====] - 0s 74ms/step
>1628, dr[0.453,0.722], df[0.709,0.093], g[1.858,0.148]
2/2 [=====] - 0s 66ms/step
>1629, dr[0.672,0.396], df[0.480,0.163], g[1.867,0.068]
2/2 [=====] - 0s 64ms/step
>1630, dr[0.689,0.625], df[0.390,0.076], g[1.624,0.077]
2/2 [=====] - 0s 63ms/step
>1631, dr[0.349,0.551], df[0.580,0.097], g[1.822,0.079]
2/2 [=====] - 0s 66ms/step
>1632, dr[0.561,0.572], df[0.465,0.128], g[1.298,0.169]
2/2 [=====] - 0s 64ms/step
>1633, dr[0.434,0.492], df[0.499,0.029], g[1.731,0.074]
2/2 [=====] - 0s 61ms/step
>1634, dr[0.346,0.509], df[0.507,0.069], g[1.757,0.186]
2/2 [=====] - 0s 58ms/step
>1635, dr[0.530,0.465], df[0.466,0.074], g[1.836,0.105]
2/2 [=====] - 0s 84ms/step
>1636, dr[0.589,1.114], df[0.588,0.067], g[1.437,0.186]
2/2 [=====] - 0s 78ms/step
>1637, dr[0.562,0.381], df[0.609,0.074], g[1.685,0.170]
2/2 [=====] - 0s 77ms/step
>1638, dr[0.621,1.021], df[0.714,0.079], g[1.681,0.078]
2/2 [=====] - 0s 78ms/step
>1639, dr[0.474,0.576], df[0.566,0.093], g[1.703,0.172]
2/2 [=====] - 0s 76ms/step
>1640, dr[0.620,0.702], df[0.481,0.237], g[1.787,0.102]
2/2 [=====] - 0s 73ms/step
>1641, dr[0.486,0.470], df[0.469,0.096], g[1.900,0.109]
2/2 [=====] - 0s 68ms/step
>1642, dr[0.600,0.583], df[0.497,0.052], g[1.679,0.103]
2/2 [=====] - 0s 65ms/step
>1643, dr[0.563,0.478], df[0.676,0.226], g[1.489,0.135]
2/2 [=====] - 0s 71ms/step
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>1644, dr[0.377,0.454], df[0.639,0.209], g[1.718,0.194]
2/2 [=====] - 0s 60ms/step
>1645, dr[0.530,0.315], df[0.338,0.155], g[1.592,0.126]
2/2 [=====] - 0s 70ms/step
>1646, dr[0.485,0.565], df[0.507,0.121], g[1.595,0.131]
2/2 [=====] - 0s 66ms/step
>1647, dr[0.330,0.539], df[0.578,0.161], g[1.598,0.122]
2/2 [=====] - 0s 82ms/step
>1648, dr[0.432,0.519], df[0.458,0.064], g[1.603,0.141]
2/2 [=====] - 0s 75ms/step
>1649, dr[0.412,0.691], df[0.428,0.094], g[1.750,0.113]
2/2 [=====] - 0s 72ms/step
>1650, dr[0.478,0.697], df[0.470,0.082], g[1.772,0.088]
2/2 [=====] - 0s 74ms/step
>1651, dr[0.642,0.433], df[0.590,0.142], g[1.595,0.119]
2/2 [=====] - 0s 68ms/step
>1652, dr[0.439,0.665], df[0.623,0.113], g[1.759,0.118]
2/2 [=====] - 0s 72ms/step
>1653, dr[0.529,0.499], df[0.480,0.064], g[2.073,0.062]
2/2 [=====] - 0s 77ms/step
>1654, dr[0.686,0.541], df[0.637,0.141], g[1.711,0.122]
2/2 [=====] - 0s 76ms/step
>1655, dr[0.523,0.531], df[0.439,0.200], g[1.544,0.114]
2/2 [=====] - 0s 68ms/step
>1656, dr[0.420,1.164], df[0.611,0.188], g[1.597,0.072]
2/2 [=====] - 0s 68ms/step
>1657, dr[0.497,0.513], df[0.462,0.091], g[1.813,0.088]
2/2 [=====] - 0s 75ms/step
>1658, dr[0.492,0.792], df[0.518,0.065], g[1.640,0.078]
2/2 [=====] - 0s 69ms/step
>1659, dr[0.599,0.773], df[0.649,0.107], g[1.821,0.121]
2/2 [=====] - 0s 71ms/step
>1660, dr[0.622,0.537], df[0.443,0.111], g[1.754,0.090]
2/2 [=====] - 0s 67ms/step
>1661, dr[0.351,0.553], df[0.463,0.154], g[1.602,0.068]
2/2 [=====] - 0s 69ms/step
>1662, dr[0.627,0.727], df[0.482,0.181], g[1.522,0.146]
2/2 [=====] - 0s 68ms/step
>1663, dr[0.739,0.623], df[0.747,0.058], g[1.411,0.113]
2/2 [=====] - 0s 80ms/step
>1664, dr[0.432,0.526], df[0.575,0.147], g[1.572,0.151]
2/2 [=====] - 0s 62ms/step
>1665, dr[0.468,0.845], df[0.526,0.052], g[1.606,0.084]
2/2 [=====] - 0s 62ms/step
>1666, dr[0.356,0.526], df[0.472,0.094], g[2.205,0.114]
2/2 [=====] - 0s 68ms/step
>1667, dr[0.502,0.521], df[0.352,0.115], g[1.850,0.142]
2/2 [=====] - 0s 71ms/step
>1668, dr[0.591,0.763], df[0.631,0.094], g[1.645,0.131]
2/2 [=====] - 0s 67ms/step
>1669, dr[0.531,0.470], df[0.638,0.117], g[1.536,0.091]
2/2 [=====] - 0s 72ms/step
>1670, dr[0.539,0.795], df[0.410,0.118], g[1.568,0.118]
2/2 [=====] - 0s 65ms/step
>1671, dr[0.480,0.756], df[0.727,0.092], g[1.680,0.110]
2/2 [=====] - 0s 64ms/step
>1672, dr[0.593,0.457], df[0.468,0.056], g[1.527,0.108]
2/2 [=====] - 0s 68ms/step
>1673, dr[0.351,0.710], df[0.339,0.098], g[1.598,0.066]
2/2 [=====] - 0s 70ms/step
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>1674, dr[0.372,0.408], df[0.577,0.082], g[1.752,0.194]
2/2 [=====] - 0s 67ms/step
>1675, dr[0.451,0.753], df[0.622,0.167], g[1.914,0.118]
2/2 [=====] - 0s 65ms/step
>1676, dr[0.494,0.511], df[0.625,0.173], g[2.053,0.061]
2/2 [=====] - 0s 70ms/step
>1677, dr[0.723,0.499], df[0.373,0.108], g[1.712,0.156]
2/2 [=====] - 0s 63ms/step
>1678, dr[0.623,0.748], df[0.635,0.115], g[1.647,0.127]
2/2 [=====] - 0s 64ms/step
>1679, dr[0.399,0.685], df[0.482,0.107], g[1.586,0.124]
2/2 [=====] - 0s 63ms/step
>1680, dr[0.469,0.403], df[0.582,0.074], g[1.533,0.121]
2/2 [=====] - 0s 65ms/step
>1681, dr[0.598,0.334], df[0.449,0.079], g[1.665,0.072]
2/2 [=====] - 0s 64ms/step
>1682, dr[0.512,0.505], df[0.541,0.079], g[1.632,0.129]
2/2 [=====] - 0s 62ms/step
>1683, dr[0.645,0.834], df[0.746,0.155], g[1.451,0.147]
2/2 [=====] - 0s 69ms/step
>1684, dr[0.417,0.654], df[0.463,0.135], g[1.743,0.131]
2/2 [=====] - 0s 72ms/step
>1685, dr[0.733,0.585], df[0.544,0.105], g[1.666,0.089]
2/2 [=====] - 0s 67ms/step
>1686, dr[0.414,0.778], df[0.536,0.099], g[1.721,0.075]
2/2 [=====] - 0s 59ms/step
>1687, dr[0.559,0.664], df[0.403,0.044], g[1.577,0.144]
2/2 [=====] - 0s 60ms/step
>1688, dr[0.536,0.567], df[0.588,0.079], g[1.590,0.158]
2/2 [=====] - 0s 62ms/step
>1689, dr[0.412,0.577], df[0.526,0.094], g[1.454,0.127]
2/2 [=====] - 0s 64ms/step
>1690, dr[0.405,0.560], df[0.508,0.051], g[1.799,0.090]
2/2 [=====] - 0s 63ms/step
>1691, dr[0.511,1.007], df[0.438,0.102], g[1.744,0.205]
2/2 [=====] - 0s 71ms/step
>1692, dr[0.531,0.587], df[0.501,0.106], g[1.647,0.089]
2/2 [=====] - 0s 62ms/step
>1693, dr[0.482,0.492], df[0.451,0.125], g[1.665,0.159]
2/2 [=====] - 0s 63ms/step
>1694, dr[0.464,0.533], df[0.517,0.084], g[1.640,0.055]
2/2 [=====] - 0s 58ms/step
>1695, dr[0.492,0.459], df[0.427,0.173], g[1.691,0.071]
2/2 [=====] - 0s 65ms/step
>1696, dr[0.432,0.409], df[0.546,0.119], g[1.645,0.062]
2/2 [=====] - 0s 58ms/step
>1697, dr[0.669,0.601], df[0.538,0.119], g[1.408,0.107]
2/2 [=====] - 0s 58ms/step
>1698, dr[0.376,0.571], df[0.618,0.221], g[1.771,0.165]
2/2 [=====] - 0s 60ms/step
>1699, dr[0.512,0.711], df[0.670,0.136], g[1.578,0.170]
2/2 [=====] - 0s 58ms/step
>1700, dr[0.482,0.585], df[0.379,0.152], g[1.822,0.145]
2/2 [=====] - 0s 60ms/step
>1701, dr[0.643,0.835], df[0.531,0.135], g[1.592,0.132]
2/2 [=====] - 0s 58ms/step
>1702, dr[0.521,0.672], df[0.581,0.226], g[1.641,0.088]
2/2 [=====] - 0s 58ms/step
>1703, dr[0.553,0.447], df[0.504,0.175], g[1.490,0.136]
2/2 [=====] - 0s 59ms/step
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>1704, dr[0.506,0.442], df[0.680,0.099], g[1.694,0.158]
2/2 [=====] - 0s 77ms/step
>1705, dr[0.582,0.711], df[0.619,0.136], g[1.768,0.089]
2/2 [=====] - 0s 70ms/step
>1706, dr[0.512,0.441], df[0.539,0.065], g[1.733,0.120]
2/2 [=====] - 0s 58ms/step
>1707, dr[0.552,0.596], df[0.335,0.128], g[1.360,0.114]
2/2 [=====] - 0s 65ms/step
>1708, dr[0.731,0.936], df[0.650,0.207], g[1.260,0.138]
2/2 [=====] - 0s 59ms/step
>1709, dr[0.365,0.809], df[0.542,0.178], g[1.555,0.116]
2/2 [=====] - 0s 61ms/step
>1710, dr[0.458,0.580], df[0.506,0.150], g[1.902,0.065]
2/2 [=====] - 0s 88ms/step
>1711, dr[0.644,0.755], df[0.709,0.133], g[1.783,0.092]
2/2 [=====] - 0s 69ms/step
>1712, dr[0.674,0.716], df[0.501,0.233], g[1.843,0.090]
2/2 [=====] - 0s 72ms/step
>1713, dr[0.498,0.552], df[0.557,0.085], g[1.559,0.135]
2/2 [=====] - 0s 58ms/step
>1714, dr[0.529,0.545], df[0.638,0.156], g[1.714,0.099]
2/2 [=====] - 0s 59ms/step
>1715, dr[0.418,0.659], df[0.499,0.129], g[1.968,0.140]
2/2 [=====] - 0s 59ms/step
>1716, dr[0.662,0.647], df[0.601,0.211], g[1.694,0.153]
2/2 [=====] - 0s 59ms/step
>1717, dr[0.554,0.468], df[0.526,0.185], g[1.588,0.067]
2/2 [=====] - 0s 60ms/step
>1718, dr[0.590,0.627], df[0.517,0.068], g[1.523,0.104]
2/2 [=====] - 0s 67ms/step
>1719, dr[0.408,0.497], df[0.567,0.089], g[1.662,0.070]
2/2 [=====] - 0s 62ms/step
>1720, dr[0.502,0.572], df[0.509,0.221], g[1.683,0.099]
2/2 [=====] - 0s 64ms/step
>1721, dr[0.496,0.599], df[0.437,0.093], g[1.358,0.120]
2/2 [=====] - 0s 67ms/step
>1722, dr[0.515,0.471], df[0.479,0.164], g[1.570,0.152]
2/2 [=====] - 0s 64ms/step
>1723, dr[0.398,0.427], df[0.645,0.190], g[1.805,0.131]
2/2 [=====] - 0s 61ms/step
>1724, dr[0.574,0.952], df[0.345,0.168], g[1.521,0.122]
2/2 [=====] - 0s 59ms/step
>1725, dr[0.539,0.769], df[0.543,0.065], g[1.466,0.139]
2/2 [=====] - 0s 62ms/step
>1726, dr[0.417,0.717], df[0.755,0.050], g[1.546,0.104]
2/2 [=====] - 0s 59ms/step
>1727, dr[0.622,0.667], df[0.532,0.065], g[1.852,0.186]
2/2 [=====] - 0s 58ms/step
>1728, dr[0.596,0.492], df[0.539,0.096], g[1.688,0.154]
2/2 [=====] - 0s 59ms/step
>1729, dr[0.559,0.509], df[0.498,0.141], g[1.650,0.124]
2/2 [=====] - 0s 68ms/step
>1730, dr[0.418,0.567], df[0.481,0.128], g[1.619,0.124]
2/2 [=====] - 0s 58ms/step
>1731, dr[0.378,0.478], df[0.429,0.053], g[1.673,0.170]
2/2 [=====] - 0s 64ms/step
>1732, dr[0.614,0.590], df[0.537,0.178], g[1.526,0.105]
2/2 [=====] - 0s 60ms/step
>1733, dr[0.502,0.360], df[0.533,0.126], g[1.578,0.115]
2/2 [=====] - 0s 65ms/step
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>1734, dr[0.399,0.495], df[0.438,0.161], g[1.637,0.112]
2/2 [=====] - 0s 59ms/step
>1735, dr[0.460,0.439], df[0.388,0.186], g[1.566,0.158]
2/2 [=====] - 0s 65ms/step
>1736, dr[0.349,0.736], df[0.498,0.190], g[1.736,0.163]
2/2 [=====] - 0s 63ms/step
>1737, dr[0.606,0.557], df[0.575,0.131], g[1.810,0.162]
2/2 [=====] - 0s 64ms/step
>1738, dr[0.471,0.786], df[0.441,0.058], g[1.641,0.134]
2/2 [=====] - 0s 63ms/step
>1739, dr[0.577,0.637], df[0.480,0.215], g[1.416,0.123]
2/2 [=====] - 0s 92ms/step
>1740, dr[0.380,0.736], df[0.619,0.321], g[1.640,0.142]
2/2 [=====] - 0s 60ms/step
>1741, dr[0.492,0.624], df[0.530,0.136], g[1.693,0.138]
2/2 [=====] - 0s 65ms/step
>1742, dr[0.626,0.489], df[0.474,0.069], g[1.656,0.231]
2/2 [=====] - 0s 60ms/step
>1743, dr[0.524,0.557], df[0.545,0.103], g[1.545,0.159]
2/2 [=====] - 0s 59ms/step
>1744, dr[0.435,0.449], df[0.520,0.130], g[1.690,0.131]
2/2 [=====] - 0s 60ms/step
>1745, dr[0.561,0.548], df[0.432,0.131], g[1.661,0.141]
2/2 [=====] - 0s 58ms/step
>1746, dr[0.475,0.825], df[0.514,0.325], g[1.556,0.149]
2/2 [=====] - 0s 60ms/step
>1747, dr[0.523,0.410], df[0.436,0.085], g[1.528,0.158]
2/2 [=====] - 0s 60ms/step
>1748, dr[0.600,0.606], df[0.513,0.182], g[1.456,0.121]
2/2 [=====] - 0s 64ms/step
>1749, dr[0.492,0.212], df[0.674,0.155], g[1.550,0.047]
2/2 [=====] - 0s 58ms/step
>1750, dr[0.676,0.553], df[0.535,0.226], g[1.554,0.113]
2/2 [=====] - 0s 61ms/step
>1751, dr[0.411,0.673], df[0.483,0.149], g[1.635,0.100]
2/2 [=====] - 0s 64ms/step
>1752, dr[0.705,0.904], df[0.645,0.144], g[1.469,0.190]
2/2 [=====] - 0s 64ms/step
>1753, dr[0.470,0.592], df[0.436,0.149], g[1.646,0.104]
2/2 [=====] - 0s 63ms/step
>1754, dr[0.605,0.865], df[0.776,0.150], g[1.564,0.125]
2/2 [=====] - 0s 62ms/step
>1755, dr[0.427,0.455], df[0.352,0.184], g[1.592,0.173]
2/2 [=====] - 0s 59ms/step
>1756, dr[0.532,0.785], df[0.484,0.171], g[1.606,0.087]
2/2 [=====] - 0s 58ms/step
>1757, dr[0.439,0.551], df[0.557,0.189], g[1.410,0.127]
2/2 [=====] - 0s 57ms/step
>1758, dr[0.561,0.418], df[0.596,0.154], g[1.515,0.248]
2/2 [=====] - 0s 59ms/step
>1759, dr[0.477,0.626], df[0.513,0.234], g[1.796,0.146]
2/2 [=====] - 0s 61ms/step
>1760, dr[0.614,0.679], df[0.532,0.234], g[1.584,0.090]
2/2 [=====] - 0s 59ms/step
>1761, dr[0.386,0.448], df[0.365,0.095], g[1.647,0.103]
2/2 [=====] - 0s 57ms/step
>1762, dr[0.439,0.422], df[0.540,0.227], g[1.679,0.099]
2/2 [=====] - 0s 58ms/step
>1763, dr[0.485,0.518], df[0.471,0.119], g[1.549,0.115]
2/2 [=====] - 0s 66ms/step
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>1764, dr[0.509,0.565], df[0.439,0.121], g[1.582,0.106]
2/2 [=====] - 0s 58ms/step
>1765, dr[0.462,0.658], df[0.600,0.288], g[2.003,0.082]
2/2 [=====] - 0s 64ms/step
>1766, dr[0.532,0.776], df[0.604,0.192], g[1.648,0.098]
2/2 [=====] - 0s 63ms/step
>1767, dr[0.635,0.195], df[0.595,0.109], g[1.698,0.112]
2/2 [=====] - 0s 64ms/step
>1768, dr[0.471,0.537], df[0.442,0.086], g[1.790,0.123]
2/2 [=====] - 0s 70ms/step
>1769, dr[0.492,0.712], df[0.414,0.094], g[1.778,0.083]
2/2 [=====] - 0s 64ms/step
>1770, dr[0.531,0.832], df[0.579,0.202], g[1.473,0.125]
2/2 [=====] - 0s 59ms/step
>1771, dr[0.553,0.540], df[0.589,0.109], g[1.502,0.162]
2/2 [=====] - 0s 63ms/step
>1772, dr[0.538,0.439], df[0.494,0.273], g[1.389,0.148]
2/2 [=====] - 0s 57ms/step
>1773, dr[0.483,0.534], df[0.684,0.178], g[1.433,0.162]
2/2 [=====] - 0s 60ms/step
>1774, dr[0.660,0.489], df[0.511,0.152], g[1.576,0.104]
2/2 [=====] - 0s 58ms/step
>1775, dr[0.566,0.533], df[0.641,0.223], g[1.504,0.096]
2/2 [=====] - 0s 56ms/step
>1776, dr[0.491,0.976], df[0.936,0.211], g[1.751,0.064]
2/2 [=====] - 0s 67ms/step
>1777, dr[0.679,0.736], df[0.460,0.059], g[1.893,0.145]
2/2 [=====] - 0s 60ms/step
>1778, dr[0.593,0.500], df[0.474,0.116], g[1.662,0.120]
2/2 [=====] - 0s 59ms/step
>1779, dr[0.709,0.836], df[0.518,0.095], g[1.333,0.150]
2/2 [=====] - 0s 81ms/step
>1780, dr[0.354,0.977], df[0.654,0.198], g[1.762,0.224]
2/2 [=====] - 0s 62ms/step
>1781, dr[0.542,0.502], df[0.428,0.073], g[1.814,0.137]
2/2 [=====] - 0s 60ms/step
>1782, dr[0.469,0.594], df[0.565,0.131], g[1.743,0.119]
2/2 [=====] - 0s 61ms/step
>1783, dr[0.610,0.553], df[0.377,0.101], g[1.399,0.146]
2/2 [=====] - 0s 62ms/step
>1784, dr[0.444,0.448], df[0.529,0.283], g[1.684,0.163]
2/2 [=====] - 0s 62ms/step
>1785, dr[0.562,0.541], df[0.475,0.100], g[1.381,0.094]
2/2 [=====] - 0s 64ms/step
>1786, dr[0.560,0.901], df[0.570,0.259], g[1.251,0.182]
2/2 [=====] - 0s 68ms/step
>1787, dr[0.488,0.463], df[0.675,0.078], g[1.515,0.139]
2/2 [=====] - 0s 67ms/step
>1788, dr[0.510,0.508], df[0.594,0.231], g[1.418,0.114]
2/2 [=====] - 0s 69ms/step
>1789, dr[0.472,0.745], df[0.570,0.075], g[1.610,0.156]
2/2 [=====] - 0s 67ms/step
>1790, dr[0.521,0.393], df[0.648,0.127], g[1.586,0.138]
2/2 [=====] - 0s 64ms/step
>1791, dr[0.611,0.503], df[0.416,0.172], g[1.888,0.106]
2/2 [=====] - 0s 67ms/step
>1792, dr[0.550,0.411], df[0.463,0.128], g[1.748,0.105]
2/2 [=====] - 0s 68ms/step
>1793, dr[0.470,0.723], df[0.653,0.123], g[1.509,0.097]
2/2 [=====] - 0s 64ms/step
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>1794, dr[0.607,0.481], df[0.381,0.172], g[1.327,0.180]
2/2 [=====] - 0s 69ms/step
>1795, dr[0.583,0.661], df[0.792,0.126], g[1.453,0.153]
2/2 [=====] - 0s 72ms/step
>1796, dr[0.378,0.560], df[0.522,0.206], g[1.848,0.129]
2/2 [=====] - 0s 65ms/step
>1797, dr[0.525,0.714], df[0.488,0.170], g[1.707,0.102]
2/2 [=====] - 0s 73ms/step
>1798, dr[0.682,0.809], df[0.500,0.224], g[1.533,0.133]
2/2 [=====] - 0s 67ms/step
>1799, dr[0.596,0.538], df[0.774,0.130], g[1.531,0.153]
2/2 [=====] - 0s 67ms/step
>1800, dr[0.591,0.570], df[0.874,0.117], g[1.815,0.089]
2/2 [=====] - 0s 79ms/step
>1801, dr[0.604,0.800], df[0.345,0.124], g[1.851,0.108]
2/2 [=====] - 0s 69ms/step
>1802, dr[0.814,0.886], df[0.621,0.108], g[1.364,0.180]
2/2 [=====] - 0s 68ms/step
>1803, dr[0.554,0.818], df[0.562,0.144], g[1.414,0.215]
2/2 [=====] - 0s 70ms/step
>1804, dr[0.443,0.807], df[0.755,0.177], g[1.395,0.190]
2/2 [=====] - 0s 68ms/step
>1805, dr[0.563,0.530], df[0.519,0.159], g[1.719,0.127]
2/2 [=====] - 0s 67ms/step
>1806, dr[0.561,0.432], df[0.476,0.175], g[1.592,0.119]
2/2 [=====] - 0s 66ms/step
>1807, dr[0.671,0.351], df[0.667,0.099], g[1.652,0.075]
2/2 [=====] - 0s 67ms/step
>1808, dr[0.711,0.667], df[0.601,0.094], g[1.498,0.089]
2/2 [=====] - 0s 67ms/step
>1809, dr[0.421,0.386], df[0.604,0.149], g[1.669,0.093]
2/2 [=====] - 0s 69ms/step
>1810, dr[0.563,0.802], df[0.495,0.082], g[1.679,0.053]
2/2 [=====] - 0s 74ms/step
>1811, dr[0.487,0.490], df[0.563,0.081], g[1.434,0.087]
2/2 [=====] - 0s 64ms/step
>1812, dr[0.625,0.686], df[0.600,0.132], g[1.465,0.078]
2/2 [=====] - 0s 65ms/step
>1813, dr[0.430,0.517], df[0.543,0.102], g[1.564,0.140]
2/2 [=====] - 0s 57ms/step
>1814, dr[0.754,0.489], df[0.639,0.169], g[1.539,0.231]
2/2 [=====] - 0s 56ms/step
>1815, dr[0.508,0.392], df[0.509,0.158], g[1.388,0.149]
2/2 [=====] - 0s 57ms/step
>1816, dr[0.479,0.624], df[0.539,0.113], g[1.845,0.141]
2/2 [=====] - 0s 66ms/step
>1817, dr[0.539,1.057], df[0.708,0.119], g[1.397,0.184]
2/2 [=====] - 0s 62ms/step
>1818, dr[0.564,0.697], df[0.548,0.090], g[1.725,0.100]
2/2 [=====] - 0s 72ms/step
>1819, dr[0.666,0.562], df[0.471,0.095], g[1.610,0.110]
2/2 [=====] - 0s 64ms/step
>1820, dr[0.710,0.761], df[0.572,0.137], g[1.488,0.137]
2/2 [=====] - 0s 61ms/step
>1821, dr[0.499,0.497], df[0.690,0.095], g[1.314,0.128]
2/2 [=====] - 0s 58ms/step
>1822, dr[0.456,0.596], df[0.508,0.147], g[1.514,0.097]
2/2 [=====] - 0s 58ms/step
>1823, dr[0.449,0.691], df[0.432,0.053], g[1.628,0.117]
2/2 [=====] - 0s 58ms/step
```

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>1824, dr[0.646,0.777], df[0.549,0.153], g[1.426,0.109]
2/2 [=====] - 0s 58ms/step
>1825, dr[0.532,0.712], df[0.517,0.312], g[1.410,0.076]
2/2 [=====] - 0s 61ms/step
>1826, dr[0.485,0.401], df[0.610,0.102], g[1.386,0.136]
2/2 [=====] - 0s 60ms/step
>1827, dr[0.423,0.550], df[0.665,0.059], g[1.789,0.137]
2/2 [=====] - 0s 59ms/step
>1828, dr[0.516,0.500], df[0.500,0.187], g[2.006,0.088]
2/2 [=====] - 0s 58ms/step
>1829, dr[0.702,0.869], df[0.619,0.063], g[1.680,0.106]
2/2 [=====] - 0s 63ms/step
>1830, dr[0.499,0.522], df[0.505,0.090], g[1.525,0.152]
2/2 [=====] - 0s 67ms/step
>1831, dr[0.513,0.433], df[0.493,0.196], g[1.560,0.186]
2/2 [=====] - 0s 58ms/step
>1832, dr[0.642,0.675], df[0.636,0.120], g[1.518,0.122]
2/2 [=====] - 0s 61ms/step
>1833, dr[0.497,0.358], df[0.626,0.124], g[1.656,0.120]
2/2 [=====] - 0s 67ms/step
>1834, dr[0.596,0.760], df[0.668,0.100], g[1.695,0.118]
2/2 [=====] - 0s 66ms/step
>1835, dr[0.621,0.509], df[0.492,0.153], g[1.706,0.065]
2/2 [=====] - 0s 65ms/step
>1836, dr[0.523,0.730], df[0.705,0.135], g[1.645,0.191]
2/2 [=====] - 0s 67ms/step
>1837, dr[0.567,0.569], df[0.426,0.222], g[1.672,0.127]
2/2 [=====] - 0s 63ms/step
>1838, dr[0.591,0.462], df[0.516,0.158], g[1.342,0.178]
2/2 [=====] - 0s 58ms/step
>1839, dr[0.477,0.448], df[0.615,0.074], g[1.550,0.132]
2/2 [=====] - 0s 58ms/step
>1840, dr[0.478,0.639], df[0.563,0.224], g[1.642,0.118]
2/2 [=====] - 0s 63ms/step
>1841, dr[0.483,0.425], df[0.490,0.073], g[1.787,0.067]
2/2 [=====] - 0s 63ms/step
>1842, dr[0.580,0.684], df[0.513,0.083], g[1.527,0.084]
2/2 [=====] - 0s 57ms/step
>1843, dr[0.647,0.659], df[0.534,0.102], g[1.471,0.074]
2/2 [=====] - 0s 58ms/step
>1844, dr[0.580,0.483], df[0.716,0.136], g[1.476,0.137]
2/2 [=====] - 0s 56ms/step
>1845, dr[0.572,0.714], df[0.571,0.285], g[1.448,0.109]
2/2 [=====] - 0s 63ms/step
>1846, dr[0.483,0.444], df[0.552,0.103], g[1.432,0.123]
2/2 [=====] - 0s 58ms/step
>1847, dr[0.495,0.529], df[0.535,0.047], g[1.361,0.103]
2/2 [=====] - 0s 58ms/step
>1848, dr[0.648,0.705], df[0.692,0.101], g[1.399,0.073]
2/2 [=====] - 0s 66ms/step
>1849, dr[0.449,0.607], df[0.625,0.086], g[1.708,0.128]
2/2 [=====] - 0s 62ms/step
>1850, dr[0.657,0.535], df[0.628,0.239], g[1.588,0.082]
2/2 [=====] - 0s 70ms/step
>1851, dr[0.586,0.888], df[0.515,0.135], g[1.676,0.143]
2/2 [=====] - 0s 63ms/step
>1852, dr[0.551,0.732], df[0.555,0.178], g[1.606,0.105]
2/2 [=====] - 0s 64ms/step
>1853, dr[0.768,0.649], df[0.595,0.074], g[1.418,0.103]
2/2 [=====] - 0s 62ms/step
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>1854, dr[0.513,0.483], df[0.609,0.181], g[1.627,0.101]
2/2 [=====] - 0s 64ms/step
>1855, dr[0.400,0.477], df[0.510,0.119], g[1.655,0.121]
2/2 [=====] - 0s 64ms/step
>1856, dr[0.576,0.472], df[0.506,0.124], g[1.707,0.139]
2/2 [=====] - 0s 61ms/step
>1857, dr[0.515,0.518], df[0.506,0.151], g[1.575,0.057]
2/2 [=====] - 0s 64ms/step
>1858, dr[0.618,0.478], df[0.625,0.121], g[1.532,0.114]
2/2 [=====] - 0s 58ms/step
>1859, dr[0.450,0.589], df[0.665,0.097], g[1.444,0.162]
2/2 [=====] - 0s 58ms/step
>1860, dr[0.387,0.551], df[0.491,0.225], g[1.649,0.149]
2/2 [=====] - 0s 58ms/step
>1861, dr[0.620,0.525], df[0.391,0.147], g[1.915,0.083]
2/2 [=====] - 0s 57ms/step
>1862, dr[0.483,0.644], df[0.469,0.086], g[1.603,0.101]
2/2 [=====] - 0s 61ms/step
>1863, dr[0.530,0.536], df[0.611,0.281], g[1.425,0.161]
2/2 [=====] - 0s 60ms/step
>1864, dr[0.556,0.834], df[0.462,0.069], g[1.329,0.162]
2/2 [=====] - 0s 60ms/step
>1865, dr[0.524,0.960], df[0.590,0.201], g[1.361,0.132]
2/2 [=====] - 0s 69ms/step
>1866, dr[0.440,0.671], df[0.618,0.160], g[1.548,0.185]
2/2 [=====] - 0s 71ms/step
>1867, dr[0.581,0.795], df[0.525,0.085], g[1.475,0.099]
2/2 [=====] - 0s 70ms/step
>1868, dr[0.475,0.577], df[0.494,0.109], g[1.404,0.110]
2/2 [=====] - 0s 59ms/step
>1869, dr[0.522,0.506], df[0.531,0.156], g[1.478,0.093]
2/2 [=====] - 0s 59ms/step
>1870, dr[0.568,0.492], df[0.586,0.094], g[1.503,0.076]
2/2 [=====] - 0s 58ms/step
>1871, dr[0.424,0.483], df[0.531,0.108], g[1.537,0.093]
2/2 [=====] - 0s 60ms/step
>1872, dr[0.463,0.368], df[0.530,0.101], g[1.530,0.089]
4/4 [=====] - 0s 51ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_1872.png and model_1872.h5
2/2 [=====] - 0s 66ms/step
>1873, dr[0.503,0.462], df[0.556,0.194], g[1.623,0.079]
2/2 [=====] - 0s 70ms/step
>1874, dr[0.447,0.407], df[0.380,0.126], g[1.611,0.115]
2/2 [=====] - 0s 77ms/step
>1875, dr[0.552,0.429], df[0.527,0.083], g[1.855,0.134]
2/2 [=====] - 0s 67ms/step
>1876, dr[0.620,0.549], df[0.687,0.158], g[1.663,0.066]
2/2 [=====] - 0s 95ms/step
>1877, dr[0.548,0.764], df[0.587,0.112], g[1.541,0.114]
2/2 [=====] - 0s 77ms/step
>1878, dr[0.529,0.383], df[0.589,0.169], g[1.602,0.111]
2/2 [=====] - 0s 79ms/step
>1879, dr[0.593,0.536], df[0.531,0.130], g[1.644,0.111]
2/2 [=====] - 0s 86ms/step
>1880, dr[0.436,0.489], df[0.503,0.257], g[1.728,0.116]
2/2 [=====] - 0s 100ms/step
>1881, dr[0.679,0.685], df[0.365,0.117], g[1.587,0.138]
2/2 [=====] - 0s 61ms/step
```

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>1882, dr[0.509,0.526], df[0.741,0.106], g[1.597,0.088]
2/2 [=====] - 0s 63ms/step
>1883, dr[0.600,0.826], df[0.528,0.267], g[1.323,0.077]
2/2 [=====] - 0s 66ms/step
>1884, dr[0.613,0.636], df[0.605,0.136], g[1.440,0.111]
2/2 [=====] - 0s 62ms/step
>1885, dr[0.429,0.741], df[0.549,0.107], g[1.355,0.103]
2/2 [=====] - 0s 61ms/step
>1886, dr[0.374,0.481], df[0.556,0.097], g[1.566,0.144]
2/2 [=====] - 0s 63ms/step
>1887, dr[0.596,0.540], df[0.603,0.123], g[1.534,0.077]
2/2 [=====] - 0s 63ms/step
>1888, dr[0.520,0.461], df[0.642,0.145], g[1.546,0.099]
2/2 [=====] - 0s 65ms/step
>1889, dr[0.575,0.740], df[0.547,0.046], g[1.528,0.122]
2/2 [=====] - 0s 67ms/step
>1890, dr[0.663,0.600], df[0.589,0.095], g[1.724,0.050]
2/2 [=====] - 0s 65ms/step
>1891, dr[0.539,0.552], df[0.578,0.155], g[1.454,0.091]
2/2 [=====] - 0s 64ms/step
>1892, dr[0.623,0.672], df[0.647,0.215], g[1.606,0.111]
2/2 [=====] - 0s 145ms/step
>1893, dr[0.481,0.420], df[0.530,0.175], g[1.656,0.091]
2/2 [=====] - 0s 74ms/step
>1894, dr[0.592,0.564], df[0.698,0.125], g[1.504,0.105]
2/2 [=====] - 0s 64ms/step
>1895, dr[0.508,0.439], df[0.558,0.097], g[1.487,0.091]
2/2 [=====] - 0s 73ms/step
>1896, dr[0.737,0.813], df[0.547,0.079], g[1.360,0.105]
2/2 [=====] - 0s 85ms/step
>1897, dr[0.386,0.366], df[0.603,0.049], g[1.575,0.166]
2/2 [=====] - 0s 76ms/step
>1898, dr[0.605,0.448], df[0.499,0.118], g[1.506,0.077]
2/2 [=====] - 0s 72ms/step
>1899, dr[0.675,0.720], df[0.676,0.157], g[1.321,0.121]
2/2 [=====] - 0s 71ms/step
>1900, dr[0.477,0.420], df[0.432,0.125], g[1.455,0.124]
2/2 [=====] - 0s 69ms/step
>1901, dr[0.537,0.566], df[0.673,0.179], g[1.567,0.096]
2/2 [=====] - 0s 74ms/step
>1902, dr[0.599,0.605], df[0.536,0.257], g[1.436,0.058]
2/2 [=====] - 0s 73ms/step
>1903, dr[0.333,0.866], df[0.568,0.074], g[1.628,0.127]
2/2 [=====] - 0s 78ms/step
>1904, dr[0.725,0.546], df[0.600,0.141], g[1.378,0.140]
2/2 [=====] - 0s 66ms/step
>1905, dr[0.399,0.780], df[0.611,0.280], g[1.560,0.201]
2/2 [=====] - 0s 77ms/step
>1906, dr[0.617,0.431], df[0.579,0.111], g[1.583,0.178]
2/2 [=====] - 0s 62ms/step
>1907, dr[0.591,0.610], df[0.493,0.085], g[1.597,0.153]
2/2 [=====] - 0s 62ms/step
>1908, dr[0.586,0.638], df[0.783,0.314], g[1.491,0.127]
2/2 [=====] - 0s 63ms/step
>1909, dr[0.589,0.715], df[0.607,0.250], g[1.585,0.113]
2/2 [=====] - 0s 70ms/step
>1910, dr[0.656,0.737], df[0.618,0.125], g[1.519,0.112]
2/2 [=====] - 0s 74ms/step
>1911, dr[0.555,0.441], df[0.685,0.123], g[1.568,0.209]
2/2 [=====] - 0s 77ms/step
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>1912, dr[0.595,0.778], df[0.550,0.083], g[1.612,0.139]
2/2 [=====] - 0s 73ms/step
>1913, dr[0.550,0.540], df[0.462,0.115], g[1.470,0.118]
2/2 [=====] - 0s 70ms/step
>1914, dr[0.503,0.448], df[0.551,0.156], g[1.348,0.091]
2/2 [=====] - 0s 100ms/step
>1915, dr[0.505,0.683], df[0.507,0.086], g[1.300,0.098]
2/2 [=====] - 0s 69ms/step
>1916, dr[0.499,0.459], df[0.578,0.062], g[1.439,0.095]
2/2 [=====] - 0s 64ms/step
>1917, dr[0.572,0.589], df[0.640,0.077], g[1.343,0.178]
2/2 [=====] - 0s 66ms/step
>1918, dr[0.564,0.649], df[0.536,0.236], g[1.611,0.091]
2/2 [=====] - 0s 63ms/step
>1919, dr[0.620,0.881], df[0.624,0.059], g[1.571,0.126]
2/2 [=====] - 0s 68ms/step
>1920, dr[0.423,0.413], df[0.537,0.086], g[1.658,0.097]
2/2 [=====] - 0s 63ms/step
>1921, dr[0.517,0.728], df[0.476,0.098], g[1.593,0.072]
2/2 [=====] - 0s 60ms/step
>1922, dr[0.517,0.531], df[0.442,0.069], g[1.393,0.205]
2/2 [=====] - 0s 63ms/step
>1923, dr[0.410,0.685], df[0.553,0.114], g[1.584,0.181]
2/2 [=====] - 0s 66ms/step
>1924, dr[0.434,0.365], df[0.428,0.083], g[1.698,0.175]
2/2 [=====] - 0s 66ms/step
>1925, dr[0.623,0.737], df[0.405,0.084], g[1.519,0.168]
2/2 [=====] - 0s 58ms/step
>1926, dr[0.559,0.669], df[0.733,0.183], g[1.485,0.059]
2/2 [=====] - 0s 58ms/step
>1927, dr[0.481,0.592], df[0.685,0.060], g[1.561,0.117]
2/2 [=====] - 0s 58ms/step
>1928, dr[0.402,0.267], df[0.427,0.226], g[1.543,0.132]
2/2 [=====] - 0s 60ms/step
>1929, dr[0.722,0.459], df[0.644,0.205], g[1.542,0.143]
2/2 [=====] - 0s 61ms/step
>1930, dr[0.584,1.002], df[0.679,0.126], g[1.512,0.081]
2/2 [=====] - 0s 59ms/step
>1931, dr[0.477,0.330], df[0.592,0.180], g[1.527,0.139]
2/2 [=====] - 0s 66ms/step
>1932, dr[0.634,0.671], df[0.598,0.080], g[1.451,0.153]
2/2 [=====] - 0s 63ms/step
>1933, dr[0.605,0.485], df[0.813,0.207], g[1.478,0.144]
2/2 [=====] - 0s 62ms/step
>1934, dr[0.720,0.604], df[0.533,0.074], g[1.380,0.115]
2/2 [=====] - 0s 65ms/step
>1935, dr[0.668,0.478], df[0.527,0.203], g[1.126,0.246]
2/2 [=====] - 0s 64ms/step
>1936, dr[0.535,0.506], df[0.716,0.349], g[1.162,0.195]
2/2 [=====] - 0s 66ms/step
>1937, dr[0.436,0.368], df[0.626,0.180], g[1.561,0.103]
2/2 [=====] - 0s 63ms/step
>1938, dr[0.528,0.607], df[0.328,0.067], g[1.442,0.106]
2/2 [=====] - 0s 59ms/step
>1939, dr[0.705,0.693], df[0.739,0.077], g[1.206,0.146]
2/2 [=====] - 0s 59ms/step
>1940, dr[0.472,0.455], df[0.663,0.171], g[1.406,0.130]
2/2 [=====] - 0s 64ms/step
>1941, dr[0.558,0.743], df[0.651,0.110], g[1.554,0.128]
2/2 [=====] - 0s 82ms/step
```

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>1942, dr[0.765,0.576], df[0.444,0.077], g[1.204,0.249]
2/2 [=====] - 0s 79ms/step
>1943, dr[0.559,0.583], df[0.650,0.089], g[1.325,0.082]
2/2 [=====] - 0s 77ms/step
>1944, dr[0.526,0.556], df[0.475,0.097], g[1.319,0.135]
2/2 [=====] - 0s 69ms/step
>1945, dr[0.480,0.520], df[0.696,0.110], g[1.254,0.114]
2/2 [=====] - 0s 114ms/step
>1946, dr[0.468,0.558], df[0.529,0.135], g[1.295,0.174]
2/2 [=====] - 0s 65ms/step
>1947, dr[0.606,0.573], df[0.741,0.137], g[1.416,0.108]
2/2 [=====] - 0s 63ms/step
>1948, dr[0.678,0.484], df[0.358,0.073], g[1.190,0.139]
2/2 [=====] - 0s 64ms/step
>1949, dr[0.552,0.610], df[0.677,0.105], g[1.091,0.147]
2/2 [=====] - 0s 69ms/step
>1950, dr[0.530,0.588], df[0.627,0.156], g[1.331,0.148]
2/2 [=====] - 0s 71ms/step
>1951, dr[0.408,0.405], df[0.490,0.242], g[1.513,0.188]
2/2 [=====] - 0s 63ms/step
>1952, dr[0.450,0.597], df[0.505,0.103], g[1.561,0.150]
2/2 [=====] - 0s 59ms/step
>1953, dr[0.479,0.331], df[0.559,0.151], g[1.589,0.086]
2/2 [=====] - 0s 61ms/step
>1954, dr[0.667,0.530], df[0.599,0.084], g[1.527,0.132]
2/2 [=====] - 0s 62ms/step
>1955, dr[0.559,0.654], df[0.404,0.108], g[1.382,0.127]
2/2 [=====] - 0s 59ms/step
>1956, dr[0.515,0.775], df[0.576,0.276], g[1.371,0.100]
2/2 [=====] - 0s 63ms/step
>1957, dr[0.453,0.530], df[0.548,0.189], g[1.550,0.120]
2/2 [=====] - 0s 60ms/step
>1958, dr[0.525,0.796], df[0.592,0.091], g[1.666,0.096]
2/2 [=====] - 0s 64ms/step
>1959, dr[0.480,0.660], df[0.323,0.105], g[1.648,0.161]
2/2 [=====] - 0s 59ms/step
>1960, dr[0.575,0.572], df[0.456,0.104], g[1.358,0.145]
2/2 [=====] - 0s 64ms/step
>1961, dr[0.344,0.483], df[0.588,0.129], g[1.430,0.211]
2/2 [=====] - 0s 60ms/step
>1962, dr[0.362,0.644], df[0.569,0.058], g[1.690,0.212]
2/2 [=====] - 0s 65ms/step
>1963, dr[0.594,0.478], df[0.388,0.168], g[1.485,0.119]
2/2 [=====] - 0s 60ms/step
>1964, dr[0.628,0.813], df[0.698,0.039], g[1.319,0.163]
2/2 [=====] - 0s 69ms/step
>1965, dr[0.580,0.671], df[0.431,0.110], g[1.360,0.105]
2/2 [=====] - 0s 60ms/step
>1966, dr[0.543,0.400], df[0.690,0.090], g[1.363,0.137]
2/2 [=====] - 0s 60ms/step
>1967, dr[0.507,0.629], df[0.396,0.036], g[1.262,0.179]
2/2 [=====] - 0s 62ms/step
>1968, dr[0.451,0.683], df[0.584,0.106], g[1.381,0.106]
2/2 [=====] - 0s 66ms/step
>1969, dr[0.490,1.079], df[0.543,0.094], g[1.421,0.150]
2/2 [=====] - 0s 63ms/step
>1970, dr[0.511,0.588], df[0.649,0.145], g[1.441,0.101]
2/2 [=====] - 0s 65ms/step
>1971, dr[0.423,0.515], df[0.502,0.145], g[1.693,0.078]
2/2 [=====] - 0s 62ms/step
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>1972, dr[0.902,0.738], df[0.602,0.083], g[1.317,0.116]
2/2 [=====] - 0s 60ms/step
>1973, dr[0.653,0.541], df[0.767,0.151], g[1.197,0.126]
2/2 [=====] - 0s 60ms/step
>1974, dr[0.584,0.911], df[0.629,0.199], g[1.434,0.109]
2/2 [=====] - 0s 59ms/step
>1975, dr[0.491,0.480], df[0.456,0.142], g[1.669,0.146]
2/2 [=====] - 0s 63ms/step
>1976, dr[0.556,0.335], df[0.573,0.108], g[1.342,0.117]
2/2 [=====] - 0s 67ms/step
>1977, dr[0.594,0.559], df[0.521,0.086], g[1.444,0.090]
2/2 [=====] - 0s 73ms/step
>1978, dr[0.645,0.664], df[0.677,0.065], g[1.515,0.089]
2/2 [=====] - 0s 63ms/step
>1979, dr[0.577,0.508], df[0.455,0.154], g[1.536,0.106]
2/2 [=====] - 0s 64ms/step
>1980, dr[0.524,0.541], df[0.505,0.082], g[1.283,0.185]
2/2 [=====] - 0s 63ms/step
>1981, dr[0.529,0.362], df[0.532,0.115], g[1.441,0.099]
2/2 [=====] - 0s 71ms/step
>1982, dr[0.544,0.745], df[0.590,0.161], g[1.417,0.134]
2/2 [=====] - 0s 62ms/step
>1983, dr[0.610,0.602], df[0.416,0.064], g[1.278,0.146]
2/2 [=====] - 0s 62ms/step
>1984, dr[0.556,0.607], df[0.601,0.144], g[1.353,0.089]
2/2 [=====] - 0s 59ms/step
>1985, dr[0.505,1.070], df[0.660,0.118], g[1.629,0.090]
2/2 [=====] - 0s 62ms/step
>1986, dr[0.563,0.618], df[0.517,0.062], g[1.480,0.097]
2/2 [=====] - 0s 62ms/step
>1987, dr[0.517,0.563], df[0.662,0.127], g[1.450,0.105]
2/2 [=====] - 0s 59ms/step
>1988, dr[0.564,0.345], df[0.446,0.205], g[1.481,0.193]
2/2 [=====] - 0s 61ms/step
>1989, dr[0.652,0.675], df[0.481,0.118], g[1.405,0.189]
2/2 [=====] - 0s 59ms/step
>1990, dr[0.520,0.415], df[0.616,0.263], g[1.562,0.091]
2/2 [=====] - 0s 58ms/step
>1991, dr[0.570,0.743], df[0.583,0.150], g[1.639,0.149]
2/2 [=====] - 0s 61ms/step
>1992, dr[0.583,0.343], df[0.600,0.059], g[1.519,0.073]
2/2 [=====] - 0s 64ms/step
>1993, dr[0.534,0.480], df[0.642,0.141], g[1.387,0.250]
2/2 [=====] - 0s 65ms/step
>1994, dr[0.438,0.433], df[0.519,0.093], g[1.702,0.115]
2/2 [=====] - 0s 60ms/step
>1995, dr[0.513,0.487], df[0.440,0.177], g[1.582,0.120]
2/2 [=====] - 0s 59ms/step
>1996, dr[0.451,0.386], df[0.492,0.112], g[1.538,0.118]
2/2 [=====] - 0s 59ms/step
>1997, dr[0.669,0.420], df[0.512,0.054], g[1.322,0.128]
2/2 [=====] - 0s 61ms/step
>1998, dr[0.605,0.590], df[0.711,0.107], g[1.364,0.165]
2/2 [=====] - 0s 64ms/step
>1999, dr[0.433,0.703], df[0.520,0.055], g[1.498,0.106]
2/2 [=====] - 0s 63ms/step
>2000, dr[0.590,0.293], df[0.715,0.136], g[1.488,0.093]
2/2 [=====] - 0s 65ms/step
>2001, dr[0.791,0.369], df[0.559,0.143], g[1.237,0.103]
2/2 [=====] - 0s 62ms/step
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>2002, dr[0.506,0.423], df[0.673,0.098], g[1.157,0.192]
2/2 [=====] - 0s 73ms/step
>2003, dr[0.409,0.428], df[0.583,0.060], g[1.411,0.176]
2/2 [=====] - 0s 62ms/step
>2004, dr[0.529,0.790], df[0.444,0.121], g[1.343,0.101]
2/2 [=====] - 0s 60ms/step
>2005, dr[0.591,0.463], df[0.529,0.110], g[1.352,0.087]
2/2 [=====] - 0s 65ms/step
>2006, dr[0.524,0.596], df[0.599,0.076], g[1.461,0.122]
2/2 [=====] - 0s 58ms/step
>2007, dr[0.349,0.327], df[0.583,0.112], g[1.577,0.118]
2/2 [=====] - 0s 63ms/step
>2008, dr[0.804,0.583], df[0.619,0.154], g[1.579,0.221]
2/2 [=====] - 0s 59ms/step
>2009, dr[0.612,0.449], df[0.451,0.095], g[1.422,0.072]
2/2 [=====] - 0s 59ms/step
>2010, dr[0.509,0.690], df[0.476,0.124], g[1.234,0.156]
2/2 [=====] - 0s 59ms/step
>2011, dr[0.481,0.823], df[0.542,0.126], g[1.462,0.108]
2/2 [=====] - 0s 64ms/step
>2012, dr[0.546,0.682], df[0.628,0.041], g[1.306,0.090]
2/2 [=====] - 0s 67ms/step
>2013, dr[0.568,0.469], df[0.635,0.067], g[1.425,0.153]
2/2 [=====] - 0s 60ms/step
>2014, dr[0.543,0.433], df[0.552,0.074], g[1.589,0.189]
2/2 [=====] - 0s 59ms/step
>2015, dr[0.582,0.540], df[0.461,0.184], g[1.401,0.136]
2/2 [=====] - 0s 60ms/step
>2016, dr[0.600,0.566], df[0.632,0.051], g[1.421,0.120]
2/2 [=====] - 0s 70ms/step
>2017, dr[0.537,0.703], df[0.520,0.102], g[1.220,0.130]
2/2 [=====] - 0s 61ms/step
>2018, dr[0.539,0.489], df[0.756,0.122], g[1.518,0.098]
2/2 [=====] - 0s 65ms/step
>2019, dr[0.510,0.298], df[0.540,0.092], g[1.381,0.158]
2/2 [=====] - 0s 69ms/step
>2020, dr[0.634,0.638], df[0.653,0.080], g[1.400,0.137]
2/2 [=====] - 0s 75ms/step
>2021, dr[0.584,0.363], df[0.576,0.165], g[1.411,0.096]
2/2 [=====] - 0s 80ms/step
>2022, dr[0.710,0.672], df[0.577,0.146], g[1.384,0.145]
2/2 [=====] - 0s 77ms/step
>2023, dr[0.625,0.699], df[0.589,0.090], g[1.506,0.056]
2/2 [=====] - 0s 69ms/step
>2024, dr[0.496,0.744], df[0.684,0.167], g[1.484,0.109]
2/2 [=====] - 0s 69ms/step
>2025, dr[0.575,0.711], df[0.556,0.170], g[1.575,0.087]
2/2 [=====] - 0s 76ms/step
>2026, dr[0.637,0.430], df[0.506,0.073], g[1.308,0.134]
2/2 [=====] - 0s 64ms/step
>2027, dr[0.562,0.444], df[0.455,0.083], g[1.307,0.073]
2/2 [=====] - 0s 71ms/step
>2028, dr[0.431,0.640], df[0.478,0.066], g[1.367,0.112]
2/2 [=====] - 0s 62ms/step
>2029, dr[0.483,0.408], df[0.580,0.263], g[1.411,0.106]
2/2 [=====] - 0s 67ms/step
>2030, dr[0.616,0.905], df[0.485,0.030], g[1.225,0.137]
2/2 [=====] - 0s 63ms/step
>2031, dr[0.313,0.376], df[0.566,0.119], g[1.437,0.225]
2/2 [=====] - 0s 71ms/step
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>2032, dr[0.513,0.455], df[0.565,0.115], g[1.665,0.106]
2/2 [=====] - 0s 66ms/step
>2033, dr[0.640,0.608], df[0.522,0.198], g[1.403,0.126]
2/2 [=====] - 0s 67ms/step
>2034, dr[0.571,0.519], df[0.422,0.145], g[1.476,0.109]
2/2 [=====] - 0s 64ms/step
>2035, dr[0.527,0.565], df[0.587,0.105], g[1.403,0.116]
2/2 [=====] - 0s 68ms/step
>2036, dr[0.335,0.374], df[0.509,0.157], g[1.534,0.115]
2/2 [=====] - 0s 63ms/step
>2037, dr[0.482,0.889], df[0.591,0.149], g[1.530,0.064]
2/2 [=====] - 0s 63ms/step
>2038, dr[0.547,0.402], df[0.506,0.067], g[1.562,0.143]
2/2 [=====] - 0s 67ms/step
>2039, dr[0.649,0.508], df[0.647,0.201], g[1.507,0.104]
2/2 [=====] - 0s 70ms/step
>2040, dr[0.593,0.661], df[0.490,0.101], g[1.568,0.075]
2/2 [=====] - 0s 62ms/step
>2041, dr[0.544,0.618], df[0.508,0.167], g[1.354,0.121]
2/2 [=====] - 0s 65ms/step
>2042, dr[0.587,0.596], df[0.552,0.128], g[1.194,0.095]
2/2 [=====] - 0s 62ms/step
>2043, dr[0.505,0.736], df[0.462,0.102], g[1.462,0.124]
2/2 [=====] - 0s 62ms/step
>2044, dr[0.374,0.484], df[0.454,0.150], g[1.394,0.098]
2/2 [=====] - 0s 66ms/step
>2045, dr[0.429,0.492], df[0.686,0.087], g[1.430,0.085]
2/2 [=====] - 0s 63ms/step
>2046, dr[0.601,0.485], df[0.512,0.119], g[1.464,0.100]
2/2 [=====] - 0s 83ms/step
>2047, dr[0.632,0.368], df[0.589,0.201], g[1.470,0.069]
2/2 [=====] - 0s 86ms/step
>2048, dr[0.476,0.621], df[0.523,0.134], g[1.250,0.124]
2/2 [=====] - 0s 78ms/step
>2049, dr[0.494,0.321], df[0.480,0.107], g[1.402,0.098]
2/2 [=====] - 0s 106ms/step
>2050, dr[0.518,0.633], df[0.529,0.165], g[1.325,0.100]
2/2 [=====] - 0s 166ms/step
>2051, dr[0.574,0.556], df[0.701,0.073], g[1.144,0.133]
2/2 [=====] - 0s 80ms/step
>2052, dr[0.448,0.596], df[0.522,0.133], g[1.221,0.098]
2/2 [=====] - 0s 77ms/step
>2053, dr[0.506,0.438], df[0.586,0.159], g[1.457,0.181]
2/2 [=====] - 0s 69ms/step
>2054, dr[0.479,0.734], df[0.515,0.153], g[1.537,0.104]
2/2 [=====] - 0s 84ms/step
>2055, dr[0.487,0.570], df[0.651,0.086], g[1.321,0.130]
2/2 [=====] - 0s 75ms/step
>2056, dr[0.532,0.762], df[0.489,0.053], g[1.352,0.095]
2/2 [=====] - 0s 72ms/step
>2057, dr[0.597,0.880], df[0.563,0.103], g[1.338,0.092]
2/2 [=====] - 0s 73ms/step
>2058, dr[0.580,0.686], df[0.702,0.185], g[1.353,0.079]
2/2 [=====] - 0s 68ms/step
>2059, dr[0.541,0.760], df[0.773,0.140], g[1.567,0.075]
2/2 [=====] - 0s 65ms/step
>2060, dr[0.638,0.568], df[0.482,0.136], g[1.417,0.157]
2/2 [=====] - 0s 59ms/step
>2061, dr[0.601,0.540], df[0.473,0.093], g[1.505,0.072]
2/2 [=====] - 0s 67ms/step
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>2062, dr[0.511,0.431], df[0.468,0.137], g[1.261,0.178]
2/2 [=====] - 0s 59ms/step
>2063, dr[0.483,0.400], df[0.564,0.186], g[1.110,0.130]
2/2 [=====] - 0s 60ms/step
>2064, dr[0.470,0.448], df[0.651,0.158], g[1.450,0.127]
2/2 [=====] - 0s 60ms/step
>2065, dr[0.544,0.441], df[0.722,0.129], g[1.340,0.110]
2/2 [=====] - 0s 67ms/step
>2066, dr[0.682,0.543], df[0.538,0.068], g[1.555,0.102]
2/2 [=====] - 0s 60ms/step
>2067, dr[0.631,0.643], df[0.591,0.212], g[1.202,0.171]
2/2 [=====] - 0s 59ms/step
>2068, dr[0.491,0.762], df[0.672,0.146], g[1.479,0.115]
2/2 [=====] - 0s 59ms/step
>2069, dr[0.543,0.641], df[0.559,0.133], g[1.382,0.082]
2/2 [=====] - 0s 60ms/step
>2070, dr[0.635,0.678], df[0.627,0.276], g[1.391,0.128]
2/2 [=====] - 0s 63ms/step
>2071, dr[0.470,0.539], df[0.436,0.055], g[1.588,0.128]
2/2 [=====] - 0s 63ms/step
>2072, dr[0.544,0.699], df[0.496,0.190], g[1.290,0.087]
2/2 [=====] - 0s 63ms/step
>2073, dr[0.461,0.650], df[0.531,0.113], g[1.343,0.088]
2/2 [=====] - 0s 60ms/step
>2074, dr[0.546,0.675], df[0.711,0.088], g[1.421,0.101]
2/2 [=====] - 0s 60ms/step
>2075, dr[0.447,0.409], df[0.524,0.038], g[1.468,0.133]
2/2 [=====] - 0s 61ms/step
>2076, dr[0.601,0.345], df[0.565,0.085], g[1.509,0.055]
2/2 [=====] - 0s 63ms/step
>2077, dr[0.498,0.490], df[0.538,0.100], g[1.458,0.139]
2/2 [=====] - 0s 60ms/step
>2078, dr[0.553,0.836], df[0.577,0.092], g[1.389,0.094]
2/2 [=====] - 0s 94ms/step
>2079, dr[0.526,0.571], df[0.631,0.056], g[1.352,0.099]
2/2 [=====] - 0s 71ms/step
>2080, dr[0.469,0.414], df[0.479,0.240], g[1.524,0.143]
2/2 [=====] - 0s 77ms/step
>2081, dr[0.779,0.523], df[0.524,0.126], g[1.464,0.172]
2/2 [=====] - 0s 63ms/step
>2082, dr[0.469,0.445], df[0.538,0.176], g[1.332,0.111]
2/2 [=====] - 0s 66ms/step
>2083, dr[0.558,0.752], df[0.533,0.049], g[1.414,0.148]
2/2 [=====] - 0s 68ms/step
>2084, dr[0.622,0.682], df[0.578,0.115], g[1.352,0.075]
2/2 [=====] - 0s 67ms/step
>2085, dr[0.616,0.610], df[0.618,0.103], g[1.578,0.154]
2/2 [=====] - 0s 69ms/step
>2086, dr[0.484,0.631], df[0.627,0.089], g[1.322,0.142]
2/2 [=====] - 0s 61ms/step
>2087, dr[0.548,0.599], df[0.480,0.055], g[1.421,0.093]
2/2 [=====] - 0s 66ms/step
>2088, dr[0.518,0.523], df[0.567,0.072], g[1.422,0.094]
2/2 [=====] - 0s 62ms/step
>2089, dr[0.585,0.429], df[0.457,0.119], g[1.321,0.096]
2/2 [=====] - 0s 78ms/step
>2090, dr[0.533,0.473], df[0.474,0.161], g[1.243,0.111]
2/2 [=====] - 0s 66ms/step
>2091, dr[0.373,0.335], df[0.721,0.075], g[1.571,0.071]
2/2 [=====] - 0s 69ms/step
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>2092, dr[0.685,0.328], df[0.492,0.207], g[1.403,0.196]
2/2 [=====] - 0s 64ms/step
>2093, dr[0.606,0.366], df[0.706,0.107], g[1.323,0.140]
2/2 [=====] - 0s 63ms/step
>2094, dr[0.429,0.683], df[0.608,0.104], g[1.525,0.069]
2/2 [=====] - 0s 71ms/step
>2095, dr[0.566,0.769], df[0.501,0.132], g[1.440,0.104]
2/2 [=====] - 0s 67ms/step
>2096, dr[0.484,0.587], df[0.533,0.043], g[1.468,0.073]
2/2 [=====] - 0s 59ms/step
>2097, dr[0.556,0.545], df[0.545,0.114], g[1.608,0.126]
2/2 [=====] - 0s 62ms/step
>2098, dr[0.500,0.734], df[0.523,0.059], g[1.444,0.051]
2/2 [=====] - 0s 67ms/step
>2099, dr[0.443,0.773], df[0.606,0.044], g[1.558,0.063]
2/2 [=====] - 0s 66ms/step
>2100, dr[0.471,0.426], df[0.405,0.108], g[1.310,0.068]
2/2 [=====] - 0s 68ms/step
>2101, dr[0.481,0.404], df[0.486,0.227], g[1.393,0.076]
2/2 [=====] - 0s 62ms/step
>2102, dr[0.605,0.417], df[0.492,0.126], g[1.396,0.088]
2/2 [=====] - 0s 70ms/step
>2103, dr[0.411,0.491], df[0.649,0.082], g[1.507,0.138]
2/2 [=====] - 0s 66ms/step
>2104, dr[0.597,0.302], df[0.547,0.096], g[1.558,0.112]
2/2 [=====] - 0s 61ms/step
>2105, dr[0.624,0.456], df[0.482,0.031], g[1.485,0.104]
2/2 [=====] - 0s 59ms/step
>2106, dr[0.384,0.496], df[0.582,0.195], g[1.395,0.133]
2/2 [=====] - 0s 63ms/step
>2107, dr[0.526,0.534], df[0.397,0.114], g[1.529,0.096]
2/2 [=====] - 0s 62ms/step
>2108, dr[0.529,0.488], df[0.648,0.038], g[1.516,0.178]
2/2 [=====] - 0s 60ms/step
>2109, dr[0.486,0.320], df[0.725,0.077], g[1.652,0.126]
2/2 [=====] - 0s 63ms/step
>2110, dr[0.473,0.585], df[0.400,0.165], g[1.764,0.196]
2/2 [=====] - 0s 61ms/step
>2111, dr[0.714,0.622], df[0.634,0.103], g[1.515,0.091]
2/2 [=====] - 0s 60ms/step
>2112, dr[0.652,0.644], df[0.418,0.067], g[1.271,0.104]
2/2 [=====] - 0s 60ms/step
>2113, dr[0.355,0.286], df[0.542,0.093], g[1.460,0.160]
2/2 [=====] - 0s 65ms/step
>2114, dr[0.459,0.315], df[0.553,0.061], g[1.437,0.112]
2/2 [=====] - 0s 62ms/step
>2115, dr[0.658,0.512], df[0.570,0.090], g[1.428,0.071]
2/2 [=====] - 0s 66ms/step
>2116, dr[0.615,0.455], df[0.552,0.069], g[1.310,0.127]
2/2 [=====] - 0s 59ms/step
>2117, dr[0.534,0.680], df[0.528,0.103], g[1.098,0.105]
2/2 [=====] - 0s 59ms/step
>2118, dr[0.487,0.350], df[0.589,0.080], g[1.343,0.122]
2/2 [=====] - 0s 61ms/step
>2119, dr[0.586,0.549], df[0.492,0.151], g[1.401,0.108]
2/2 [=====] - 0s 58ms/step
>2120, dr[0.532,0.328], df[0.679,0.091], g[1.381,0.129]
2/2 [=====] - 0s 62ms/step
>2121, dr[0.523,0.354], df[0.665,0.092], g[1.287,0.076]
2/2 [=====] - 0s 60ms/step
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>2122, dr[0.545,0.819], df[0.713,0.142], g[1.696,0.134]
2/2 [=====] - 0s 63ms/step
>2123, dr[0.541,0.947], df[0.466,0.147], g[1.495,0.128]
2/2 [=====] - 0s 63ms/step
>2124, dr[0.602,0.723], df[0.552,0.093], g[1.415,0.089]
2/2 [=====] - 0s 67ms/step
>2125, dr[0.531,0.572], df[0.698,0.114], g[1.481,0.128]
2/2 [=====] - 0s 75ms/step
>2126, dr[0.567,0.732], df[0.645,0.190], g[1.406,0.103]
2/2 [=====] - 0s 61ms/step
>2127, dr[0.789,0.618], df[0.682,0.227], g[1.418,0.096]
2/2 [=====] - 0s 65ms/step
>2128, dr[0.643,0.603], df[0.566,0.128], g[1.446,0.159]
2/2 [=====] - 0s 59ms/step
>2129, dr[0.568,0.586], df[0.501,0.028], g[1.392,0.113]
2/2 [=====] - 0s 64ms/step
>2130, dr[0.583,0.904], df[0.561,0.060], g[1.228,0.206]
2/2 [=====] - 0s 61ms/step
>2131, dr[0.492,0.720], df[0.655,0.149], g[1.239,0.153]
2/2 [=====] - 0s 65ms/step
>2132, dr[0.385,0.474], df[0.536,0.103], g[1.550,0.179]
2/2 [=====] - 0s 62ms/step
>2133, dr[0.667,0.584], df[0.376,0.145], g[1.468,0.111]
2/2 [=====] - 0s 74ms/step
>2134, dr[0.451,0.487], df[0.682,0.146], g[1.381,0.108]
2/2 [=====] - 0s 105ms/step
>2135, dr[0.573,0.674], df[0.673,0.082], g[1.601,0.083]
2/2 [=====] - 0s 65ms/step
>2136, dr[0.681,0.632], df[0.461,0.109], g[1.526,0.131]
2/2 [=====] - 0s 69ms/step
>2137, dr[0.434,0.467], df[0.504,0.111], g[1.475,0.110]
2/2 [=====] - 0s 64ms/step
>2138, dr[0.562,0.534], df[0.726,0.171], g[1.455,0.105]
2/2 [=====] - 0s 75ms/step
>2139, dr[0.580,0.554], df[0.494,0.124], g[1.375,0.098]
2/2 [=====] - 0s 80ms/step
>2140, dr[0.590,0.509], df[0.595,0.172], g[1.491,0.121]
2/2 [=====] - 0s 82ms/step
>2141, dr[0.599,0.907], df[0.508,0.164], g[1.314,0.129]
2/2 [=====] - 0s 88ms/step
>2142, dr[0.385,0.659], df[0.547,0.158], g[1.502,0.169]
2/2 [=====] - 0s 74ms/step
>2143, dr[0.616,0.435], df[0.609,0.105], g[1.562,0.165]
2/2 [=====] - 0s 67ms/step
>2144, dr[0.587,0.641], df[0.636,0.119], g[1.283,0.130]
2/2 [=====] - 0s 71ms/step
>2145, dr[0.596,0.632], df[0.526,0.077], g[1.306,0.111]
2/2 [=====] - 0s 70ms/step
>2146, dr[0.629,0.424], df[0.560,0.122], g[1.382,0.150]
2/2 [=====] - 0s 73ms/step
>2147, dr[0.512,0.569], df[0.744,0.144], g[1.281,0.191]
2/2 [=====] - 0s 73ms/step
>2148, dr[0.507,0.484], df[0.657,0.156], g[1.440,0.140]
2/2 [=====] - 0s 72ms/step
>2149, dr[0.754,0.334], df[0.499,0.081], g[1.247,0.113]
2/2 [=====] - 0s 76ms/step
>2150, dr[0.562,0.370], df[0.673,0.139], g[1.491,0.103]
2/2 [=====] - 0s 70ms/step
>2151, dr[0.587,0.754], df[0.667,0.176], g[1.557,0.153]
2/2 [=====] - 0s 70ms/step
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>2152, dr[0.789,0.771], df[0.445,0.054], g[1.288,0.113]
2/2 [=====] - 0s 75ms/step
>2153, dr[0.426,0.369], df[0.610,0.109], g[1.453,0.113]
2/2 [=====] - 0s 70ms/step
>2154, dr[0.570,0.444], df[0.535,0.097], g[1.341,0.071]
2/2 [=====] - 0s 63ms/step
>2155, dr[0.564,0.862], df[0.554,0.145], g[1.360,0.111]
2/2 [=====] - 0s 64ms/step
>2156, dr[0.585,0.655], df[0.517,0.115], g[1.590,0.143]
2/2 [=====] - 0s 62ms/step
>2157, dr[0.472,0.661], df[0.524,0.235], g[1.343,0.151]
2/2 [=====] - 0s 61ms/step
>2158, dr[0.538,0.516], df[0.555,0.101], g[1.260,0.144]
2/2 [=====] - 0s 63ms/step
>2159, dr[0.630,0.641], df[0.678,0.131], g[1.492,0.109]
2/2 [=====] - 0s 71ms/step
>2160, dr[0.523,0.534], df[0.584,0.088], g[1.478,0.114]
2/2 [=====] - 0s 77ms/step
>2161, dr[0.478,0.423], df[0.594,0.147], g[1.582,0.092]
2/2 [=====] - 0s 66ms/step
>2162, dr[0.578,0.517], df[0.519,0.181], g[1.517,0.085]
2/2 [=====] - 0s 67ms/step
>2163, dr[0.462,0.562], df[0.530,0.163], g[1.602,0.114]
2/2 [=====] - 0s 61ms/step
>2164, dr[0.613,0.788], df[0.527,0.143], g[1.248,0.152]
2/2 [=====] - 0s 63ms/step
>2165, dr[0.521,0.764], df[0.595,0.174], g[1.481,0.125]
2/2 [=====] - 0s 68ms/step
>2166, dr[0.689,0.542], df[0.536,0.105], g[1.170,0.110]
2/2 [=====] - 0s 69ms/step
>2167, dr[0.458,0.569], df[0.669,0.102], g[1.502,0.068]
2/2 [=====] - 0s 76ms/step
>2168, dr[0.633,0.414], df[0.574,0.108], g[1.227,0.144]
2/2 [=====] - 0s 63ms/step
>2169, dr[0.469,0.584], df[0.521,0.066], g[1.311,0.074]
2/2 [=====] - 0s 65ms/step
>2170, dr[0.621,0.539], df[0.564,0.077], g[1.378,0.105]
2/2 [=====] - 0s 62ms/step
>2171, dr[0.467,0.610], df[0.654,0.158], g[1.418,0.103]
2/2 [=====] - 0s 61ms/step
>2172, dr[0.586,0.792], df[0.497,0.130], g[1.499,0.119]
2/2 [=====] - 0s 60ms/step
>2173, dr[0.597,0.590], df[0.478,0.244], g[1.423,0.091]
2/2 [=====] - 0s 60ms/step
>2174, dr[0.602,0.539], df[0.603,0.120], g[1.276,0.120]
2/2 [=====] - 0s 72ms/step
>2175, dr[0.508,0.522], df[0.663,0.125], g[1.358,0.162]
2/2 [=====] - 0s 66ms/step
>2176, dr[0.639,0.769], df[0.488,0.078], g[1.225,0.146]
2/2 [=====] - 0s 58ms/step
>2177, dr[0.595,0.573], df[0.598,0.160], g[1.219,0.105]
2/2 [=====] - 0s 60ms/step
>2178, dr[0.540,0.401], df[0.586,0.080], g[1.275,0.090]
2/2 [=====] - 0s 63ms/step
>2179, dr[0.521,0.461], df[0.560,0.078], g[1.411,0.082]
2/2 [=====] - 0s 60ms/step
>2180, dr[0.548,0.650], df[0.488,0.065], g[1.482,0.112]
2/2 [=====] - 0s 59ms/step
>2181, dr[0.562,0.304], df[0.587,0.205], g[1.391,0.083]
2/2 [=====] - 0s 59ms/step
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>2182, dr[0.558,0.221], df[0.539,0.049], g[1.395,0.152]
2/2 [=====] - 0s 66ms/step
>2183, dr[0.435,0.377], df[0.594,0.176], g[1.388,0.105]
2/2 [=====] - 0s 62ms/step
>2184, dr[0.564,0.625], df[0.484,0.070], g[1.383,0.063]
2/2 [=====] - 0s 67ms/step
>2185, dr[0.511,0.711], df[0.636,0.142], g[1.438,0.084]
2/2 [=====] - 0s 76ms/step
>2186, dr[0.671,0.577], df[0.546,0.060], g[1.187,0.121]
2/2 [=====] - 0s 60ms/step
>2187, dr[0.534,0.439], df[0.720,0.043], g[1.335,0.125]
2/2 [=====] - 0s 60ms/step
>2188, dr[0.553,0.617], df[0.595,0.180], g[1.301,0.129]
2/2 [=====] - 0s 62ms/step
>2189, dr[0.523,0.496], df[0.531,0.151], g[1.410,0.066]
2/2 [=====] - 0s 61ms/step
>2190, dr[0.609,0.413], df[0.487,0.177], g[1.417,0.068]
2/2 [=====] - 0s 60ms/step
>2191, dr[0.498,0.598], df[0.646,0.067], g[1.277,0.114]
2/2 [=====] - 0s 60ms/step
>2192, dr[0.658,0.526], df[0.664,0.122], g[1.192,0.113]
2/2 [=====] - 0s 66ms/step
>2193, dr[0.493,0.938], df[0.652,0.096], g[1.404,0.117]
2/2 [=====] - 0s 66ms/step
>2194, dr[0.470,0.559], df[0.504,0.095], g[1.354,0.088]
2/2 [=====] - 0s 65ms/step
>2195, dr[0.536,0.685], df[0.540,0.122], g[1.387,0.094]
2/2 [=====] - 0s 63ms/step
>2196, dr[0.662,0.400], df[0.564,0.165], g[1.206,0.167]
2/2 [=====] - 0s 65ms/step
>2197, dr[0.561,0.378], df[0.640,0.100], g[1.348,0.144]
2/2 [=====] - 0s 64ms/step
>2198, dr[0.481,0.492], df[0.658,0.082], g[1.514,0.137]
2/2 [=====] - 0s 66ms/step
>2199, dr[0.547,0.422], df[0.457,0.103], g[1.510,0.113]
2/2 [=====] - 0s 71ms/step
>2200, dr[0.554,0.536], df[0.511,0.133], g[1.299,0.175]
2/2 [=====] - 0s 63ms/step
>2201, dr[0.478,0.609], df[0.643,0.110], g[1.655,0.124]
2/2 [=====] - 0s 66ms/step
>2202, dr[0.535,0.663], df[0.468,0.128], g[1.496,0.124]
2/2 [=====] - 0s 62ms/step
>2203, dr[0.721,0.451], df[0.615,0.143], g[1.390,0.097]
2/2 [=====] - 0s 63ms/step
>2204, dr[0.640,0.369], df[0.669,0.064], g[1.213,0.097]
2/2 [=====] - 0s 61ms/step
>2205, dr[0.486,0.812], df[0.655,0.162], g[1.475,0.107]
2/2 [=====] - 0s 60ms/step
>2206, dr[0.592,0.939], df[0.485,0.136], g[1.306,0.213]
2/2 [=====] - 0s 60ms/step
>2207, dr[0.574,0.372], df[0.683,0.178], g[1.661,0.115]
2/2 [=====] - 0s 62ms/step
>2208, dr[0.487,0.735], df[0.442,0.068], g[1.495,0.122]
2/2 [=====] - 0s 58ms/step
>2209, dr[0.618,0.700], df[0.459,0.085], g[1.273,0.123]
2/2 [=====] - 0s 63ms/step
>2210, dr[0.513,0.519], df[0.668,0.136], g[1.323,0.107]
2/2 [=====] - 0s 59ms/step
>2211, dr[0.436,0.608], df[0.552,0.213], g[1.553,0.117]
2/2 [=====] - 0s 59ms/step
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>2212, dr[0.592,0.632], df[0.545,0.099], g[1.701,0.078]
2/2 [=====] - 0s 63ms/step
>2213, dr[0.542,0.496], df[0.506,0.080], g[1.365,0.131]
2/2 [=====] - 0s 63ms/step
>2214, dr[0.505,0.776], df[0.532,0.112], g[1.342,0.138]
2/2 [=====] - 0s 67ms/step
>2215, dr[0.487,0.335], df[0.595,0.290], g[1.380,0.153]
2/2 [=====] - 0s 67ms/step
>2216, dr[0.569,0.455], df[0.478,0.122], g[1.450,0.140]
2/2 [=====] - 0s 64ms/step
>2217, dr[0.476,0.627], df[0.556,0.103], g[1.621,0.124]
2/2 [=====] - 0s 62ms/step
>2218, dr[0.563,0.591], df[0.604,0.130], g[1.523,0.133]
2/2 [=====] - 0s 97ms/step
>2219, dr[0.532,0.600], df[0.555,0.111], g[1.499,0.101]
2/2 [=====] - 0s 59ms/step
>2220, dr[0.617,0.322], df[0.461,0.068], g[1.230,0.141]
2/2 [=====] - 0s 74ms/step
>2221, dr[0.376,0.641], df[0.638,0.036], g[1.341,0.118]
2/2 [=====] - 0s 82ms/step
>2222, dr[0.645,0.649], df[0.633,0.128], g[1.533,0.173]
2/2 [=====] - 0s 71ms/step
>2223, dr[0.478,0.432], df[0.429,0.043], g[1.414,0.124]
2/2 [=====] - 0s 67ms/step
>2224, dr[0.558,0.579], df[0.554,0.150], g[1.374,0.193]
2/2 [=====] - 0s 64ms/step
>2225, dr[0.589,0.417], df[0.684,0.206], g[1.470,0.100]
2/2 [=====] - 0s 65ms/step
>2226, dr[0.577,0.488], df[0.487,0.058], g[1.295,0.089]
2/2 [=====] - 0s 63ms/step
>2227, dr[0.554,0.527], df[0.646,0.119], g[1.450,0.182]
2/2 [=====] - 0s 61ms/step
>2228, dr[0.490,0.866], df[0.564,0.086], g[1.597,0.078]
2/2 [=====] - 0s 67ms/step
>2229, dr[0.611,0.840], df[0.558,0.120], g[1.369,0.173]
2/2 [=====] - 0s 60ms/step
>2230, dr[0.609,0.623], df[0.723,0.096], g[1.560,0.147]
2/2 [=====] - 0s 63ms/step
>2231, dr[0.471,0.598], df[0.620,0.128], g[1.446,0.127]
2/2 [=====] - 0s 61ms/step
>2232, dr[0.602,0.659], df[0.468,0.074], g[1.579,0.090]
2/2 [=====] - 0s 60ms/step
>2233, dr[0.467,0.567], df[0.534,0.080], g[1.439,0.170]
2/2 [=====] - 0s 59ms/step
>2234, dr[0.605,0.649], df[0.575,0.094], g[1.351,0.075]
2/2 [=====] - 0s 63ms/step
>2235, dr[0.603,0.594], df[0.512,0.088], g[1.298,0.118]
2/2 [=====] - 0s 66ms/step
>2236, dr[0.514,0.675], df[0.568,0.046], g[1.392,0.144]
2/2 [=====] - 0s 60ms/step
>2237, dr[0.431,0.451], df[0.516,0.138], g[1.415,0.147]
2/2 [=====] - 0s 60ms/step
>2238, dr[0.530,0.527], df[0.628,0.186], g[1.292,0.086]
2/2 [=====] - 0s 63ms/step
>2239, dr[0.514,0.382], df[0.474,0.189], g[1.412,0.134]
2/2 [=====] - 0s 62ms/step
>2240, dr[0.599,0.656], df[0.527,0.059], g[1.383,0.100]
2/2 [=====] - 0s 63ms/step
>2241, dr[0.567,0.633], df[0.678,0.084], g[1.391,0.146]
2/2 [=====] - 0s 62ms/step
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>2242, dr[0.544,0.617], df[0.577,0.124], g[1.367,0.148]
2/2 [=====] - 0s 62ms/step
>2243, dr[0.458,0.521], df[0.402,0.108], g[1.313,0.065]
2/2 [=====] - 0s 64ms/step
>2244, dr[0.602,0.798], df[0.623,0.060], g[1.293,0.097]
2/2 [=====] - 0s 74ms/step
>2245, dr[0.402,0.488], df[0.634,0.115], g[1.444,0.119]
2/2 [=====] - 0s 64ms/step
>2246, dr[0.507,0.548], df[0.501,0.071], g[1.542,0.117]
2/2 [=====] - 0s 70ms/step
>2247, dr[0.473,0.343], df[0.533,0.111], g[1.495,0.089]
2/2 [=====] - 0s 61ms/step
>2248, dr[0.580,0.603], df[0.554,0.161], g[1.427,0.155]
2/2 [=====] - 0s 70ms/step
>2249, dr[0.449,0.689], df[0.699,0.169], g[1.581,0.057]
2/2 [=====] - 0s 61ms/step
>2250, dr[0.702,0.512], df[0.459,0.098], g[1.315,0.200]
2/2 [=====] - 0s 60ms/step
>2251, dr[0.529,0.350], df[0.515,0.099], g[1.303,0.119]
2/2 [=====] - 0s 60ms/step
>2252, dr[0.463,0.618], df[0.587,0.083], g[1.370,0.156]
2/2 [=====] - 0s 62ms/step
>2253, dr[0.487,0.569], df[0.494,0.122], g[1.311,0.126]
2/2 [=====] - 0s 60ms/step
>2254, dr[0.530,0.599], df[0.688,0.142], g[1.334,0.090]
2/2 [=====] - 0s 86ms/step
>2255, dr[0.532,0.847], df[0.520,0.107], g[1.408,0.145]
2/2 [=====] - 0s 71ms/step
>2256, dr[0.547,0.553], df[0.517,0.095], g[1.404,0.113]
2/2 [=====] - 0s 67ms/step
>2257, dr[0.540,0.777], df[0.567,0.070], g[1.174,0.166]
2/2 [=====] - 0s 64ms/step
>2258, dr[0.462,0.560], df[0.537,0.120], g[1.357,0.164]
2/2 [=====] - 0s 67ms/step
>2259, dr[0.409,0.344], df[0.576,0.091], g[1.329,0.110]
2/2 [=====] - 0s 66ms/step
>2260, dr[0.630,0.584], df[0.528,0.210], g[1.339,0.123]
2/2 [=====] - 0s 69ms/step
>2261, dr[0.504,0.468], df[0.486,0.057], g[1.388,0.101]
2/2 [=====] - 0s 70ms/step
>2262, dr[0.565,0.586], df[0.706,0.072], g[1.252,0.132]
2/2 [=====] - 0s 61ms/step
>2263, dr[0.461,0.780], df[0.662,0.123], g[1.526,0.131]
2/2 [=====] - 0s 66ms/step
>2264, dr[0.517,0.310], df[0.475,0.123], g[1.522,0.225]
2/2 [=====] - 0s 73ms/step
>2265, dr[0.586,0.634], df[0.437,0.115], g[1.523,0.082]
2/2 [=====] - 0s 62ms/step
>2266, dr[0.414,0.647], df[0.551,0.186], g[1.310,0.202]
2/2 [=====] - 0s 64ms/step
>2267, dr[0.544,0.507], df[0.495,0.094], g[1.288,0.088]
2/2 [=====] - 0s 68ms/step
>2268, dr[0.545,0.578], df[0.552,0.039], g[1.370,0.072]
2/2 [=====] - 0s 72ms/step
>2269, dr[0.475,0.561], df[0.559,0.123], g[1.334,0.111]
2/2 [=====] - 0s 71ms/step
>2270, dr[0.561,0.572], df[0.589,0.122], g[1.404,0.105]
2/2 [=====] - 0s 74ms/step
>2271, dr[0.446,0.555], df[0.498,0.149], g[1.368,0.084]
2/2 [=====] - 0s 72ms/step
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>2272, dr[0.537,0.555], df[0.580,0.108], g[1.477,0.053]
2/2 [=====] - 0s 71ms/step
>2273, dr[0.714,0.727], df[0.619,0.075], g[1.433,0.126]
2/2 [=====] - 0s 67ms/step
>2274, dr[0.552,0.449], df[0.532,0.096], g[1.491,0.090]
2/2 [=====] - 0s 74ms/step
>2275, dr[0.623,0.377], df[0.772,0.078], g[1.605,0.106]
2/2 [=====] - 0s 70ms/step
>2276, dr[0.569,0.520], df[0.573,0.253], g[1.505,0.142]
2/2 [=====] - 0s 69ms/step
>2277, dr[0.687,0.587], df[0.593,0.139], g[1.463,0.111]
2/2 [=====] - 0s 70ms/step
>2278, dr[0.512,0.374], df[0.531,0.127], g[1.515,0.118]
2/2 [=====] - 0s 71ms/step
>2279, dr[0.587,0.697], df[0.664,0.158], g[1.523,0.079]
2/2 [=====] - 0s 68ms/step
>2280, dr[0.469,0.437], df[0.562,0.126], g[1.422,0.106]
2/2 [=====] - 0s 74ms/step
>2281, dr[0.552,0.662], df[0.403,0.040], g[1.441,0.176]
2/2 [=====] - 0s 73ms/step
>2282, dr[0.570,0.509], df[0.623,0.116], g[1.396,0.139]
2/2 [=====] - 0s 68ms/step
>2283, dr[0.640,0.379], df[0.456,0.157], g[1.307,0.151]
2/2 [=====] - 0s 68ms/step
>2284, dr[0.455,0.747], df[0.618,0.171], g[1.415,0.136]
2/2 [=====] - 0s 68ms/step
>2285, dr[0.684,0.596], df[0.588,0.059], g[1.357,0.099]
2/2 [=====] - 0s 67ms/step
>2286, dr[0.561,0.619], df[0.617,0.251], g[1.690,0.096]
2/2 [=====] - 0s 88ms/step
>2287, dr[0.599,0.467], df[0.577,0.124], g[1.516,0.133]
2/2 [=====] - 0s 67ms/step
>2288, dr[0.727,0.481], df[0.617,0.091], g[1.451,0.209]
2/2 [=====] - 0s 64ms/step
>2289, dr[0.529,0.736], df[0.485,0.300], g[1.497,0.046]
2/2 [=====] - 0s 63ms/step
>2290, dr[0.639,0.520], df[0.544,0.195], g[1.465,0.117]
2/2 [=====] - 0s 63ms/step
>2291, dr[0.395,0.534], df[0.461,0.103], g[1.305,0.174]
2/2 [=====] - 0s 68ms/step
>2292, dr[0.422,0.526], df[0.639,0.143], g[1.321,0.107]
2/2 [=====] - 0s 61ms/step
>2293, dr[0.638,0.699], df[0.520,0.169], g[1.360,0.202]
2/2 [=====] - 0s 64ms/step
>2294, dr[0.574,0.545], df[0.698,0.094], g[1.317,0.069]
2/2 [=====] - 0s 61ms/step
>2295, dr[0.445,0.445], df[0.405,0.148], g[1.167,0.123]
2/2 [=====] - 0s 58ms/step
>2296, dr[0.488,0.589], df[0.705,0.121], g[1.287,0.150]
2/2 [=====] - 0s 61ms/step
>2297, dr[0.496,0.511], df[0.771,0.130], g[1.535,0.131]
2/2 [=====] - 0s 59ms/step
>2298, dr[0.783,0.730], df[0.512,0.091], g[1.385,0.084]
2/2 [=====] - 0s 58ms/step
>2299, dr[0.666,0.510], df[0.668,0.111], g[1.549,0.095]
2/2 [=====] - 0s 60ms/step
>2300, dr[0.498,0.538], df[0.557,0.181], g[1.465,0.122]
2/2 [=====] - 0s 66ms/step
>2301, dr[0.470,0.529], df[0.506,0.104], g[1.346,0.092]
2/2 [=====] - 0s 68ms/step
```

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>2302, dr[0.554,0.665], df[0.454,0.096], g[1.464,0.103]
2/2 [=====] - 0s 65ms/step
>2303, dr[0.606,0.822], df[0.684,0.109], g[1.520,0.111]
2/2 [=====] - 0s 69ms/step
>2304, dr[0.574,0.424], df[0.457,0.098], g[1.418,0.156]
2/2 [=====] - 0s 59ms/step
>2305, dr[0.514,0.354], df[0.617,0.196], g[1.227,0.158]
2/2 [=====] - 0s 61ms/step
>2306, dr[0.572,0.602], df[0.461,0.083], g[1.484,0.101]
2/2 [=====] - 0s 66ms/step
>2307, dr[0.506,0.457], df[0.558,0.098], g[1.263,0.095]
2/2 [=====] - 0s 66ms/step
>2308, dr[0.422,0.695], df[0.521,0.102], g[1.460,0.127]
2/2 [=====] - 0s 64ms/step
>2309, dr[0.552,0.519], df[0.670,0.255], g[1.440,0.112]
2/2 [=====] - 0s 75ms/step
>2310, dr[0.592,0.506], df[0.495,0.205], g[1.627,0.050]
2/2 [=====] - 0s 62ms/step
>2311, dr[0.529,0.522], df[0.491,0.126], g[1.451,0.116]
2/2 [=====] - 0s 65ms/step
>2312, dr[0.465,0.488], df[0.551,0.089], g[1.259,0.114]
2/2 [=====] - 0s 64ms/step
>2313, dr[0.466,0.580], df[0.480,0.092], g[1.453,0.105]
2/2 [=====] - 0s 62ms/step
>2314, dr[0.469,0.447], df[0.458,0.150], g[1.271,0.116]
2/2 [=====] - 0s 58ms/step
>2315, dr[0.566,0.437], df[0.634,0.263], g[1.369,0.102]
2/2 [=====] - 0s 63ms/step
>2316, dr[0.517,0.485], df[0.677,0.120], g[1.438,0.103]
2/2 [=====] - 0s 58ms/step
>2317, dr[0.528,0.375], df[0.467,0.074], g[1.308,0.111]
2/2 [=====] - 0s 62ms/step
>2318, dr[0.663,0.732], df[0.624,0.163], g[1.351,0.113]
2/2 [=====] - 0s 61ms/step
>2319, dr[0.541,0.662], df[0.539,0.087], g[1.149,0.121]
2/2 [=====] - 0s 59ms/step
>2320, dr[0.584,0.482], df[0.560,0.098], g[1.212,0.097]
2/2 [=====] - 0s 58ms/step
>2321, dr[0.356,0.947], df[0.573,0.077], g[1.504,0.136]
2/2 [=====] - 0s 61ms/step
>2322, dr[0.676,0.667], df[0.523,0.081], g[1.523,0.112]
2/2 [=====] - 0s 60ms/step
>2323, dr[0.535,0.445], df[0.521,0.271], g[1.417,0.104]
2/2 [=====] - 0s 60ms/step
>2324, dr[0.627,0.659], df[0.530,0.085], g[1.306,0.075]
2/2 [=====] - 0s 71ms/step
>2325, dr[0.524,0.570], df[0.689,0.117], g[1.277,0.083]
2/2 [=====] - 0s 68ms/step
>2326, dr[0.570,0.551], df[0.546,0.065], g[1.402,0.170]
2/2 [=====] - 0s 66ms/step
>2327, dr[0.541,0.489], df[0.487,0.055], g[1.287,0.134]
2/2 [=====] - 0s 64ms/step
>2328, dr[0.453,0.532], df[0.583,0.123], g[1.380,0.187]
2/2 [=====] - 0s 58ms/step
>2329, dr[0.480,0.388], df[0.506,0.138], g[1.275,0.104]
2/2 [=====] - 0s 59ms/step
>2330, dr[0.715,0.437], df[0.622,0.057], g[1.194,0.086]
2/2 [=====] - 0s 61ms/step
>2331, dr[0.560,0.424], df[0.616,0.045], g[1.410,0.083]
2/2 [=====] - 0s 67ms/step
```

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>2332, dr[0.503,0.670], df[0.654,0.110], g[1.365,0.107]
2/2 [=====] - 0s 64ms/step
>2333, dr[0.553,0.676], df[0.537,0.169], g[1.377,0.064]
2/2 [=====] - 0s 62ms/step
>2334, dr[0.583,0.605], df[0.461,0.102], g[1.283,0.070]
2/2 [=====] - 0s 65ms/step
>2335, dr[0.505,0.403], df[0.674,0.151], g[1.279,0.174]
2/2 [=====] - 0s 67ms/step
>2336, dr[0.530,0.361], df[0.507,0.083], g[1.444,0.100]
2/2 [=====] - 0s 59ms/step
>2337, dr[0.625,0.521], df[0.549,0.072], g[1.415,0.112]
2/2 [=====] - 0s 59ms/step
>2338, dr[0.592,0.578], df[0.730,0.131], g[1.452,0.111]
2/2 [=====] - 0s 60ms/step
>2339, dr[0.449,0.456], df[0.477,0.141], g[1.496,0.109]
2/2 [=====] - 0s 59ms/step
>2340, dr[0.543,0.567], df[0.634,0.184], g[1.477,0.102]
4/4 [=====] - 0s 44ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2340.png and model_2340.h5
2/2 [=====] - 0s 71ms/step
>2341, dr[0.528,0.706], df[0.448,0.101], g[1.395,0.123]
2/2 [=====] - 0s 63ms/step
>2342, dr[0.537,0.454], df[0.659,0.131], g[1.453,0.106]
2/2 [=====] - 0s 64ms/step
>2343, dr[0.593,0.709], df[0.552,0.121], g[1.476,0.077]
2/2 [=====] - 0s 69ms/step
>2344, dr[0.482,0.552], df[0.667,0.126], g[1.240,0.109]
2/2 [=====] - 0s 64ms/step
>2345, dr[0.506,0.338], df[0.471,0.176], g[1.556,0.117]
2/2 [=====] - 0s 95ms/step
>2346, dr[0.553,0.405], df[0.487,0.096], g[1.288,0.121]
2/2 [=====] - 0s 60ms/step
>2347, dr[0.438,0.758], df[0.592,0.177], g[1.278,0.121]
2/2 [=====] - 0s 60ms/step
>2348, dr[0.561,0.347], df[0.576,0.086], g[1.519,0.092]
2/2 [=====] - 0s 104ms/step
>2349, dr[0.628,0.671], df[0.449,0.134], g[1.413,0.139]
2/2 [=====] - 0s 61ms/step
>2350, dr[0.514,0.342], df[0.557,0.083], g[1.545,0.091]
2/2 [=====] - 0s 60ms/step
>2351, dr[0.470,0.565], df[0.552,0.075], g[1.435,0.131]
2/2 [=====] - 0s 60ms/step
>2352, dr[0.492,0.545], df[0.417,0.127], g[1.401,0.067]
2/2 [=====] - 0s 62ms/step
>2353, dr[0.522,0.682], df[0.420,0.078], g[1.351,0.188]
2/2 [=====] - 0s 59ms/step
>2354, dr[0.465,0.410], df[0.655,0.285], g[1.427,0.139]
2/2 [=====] - 0s 66ms/step
>2355, dr[0.559,0.851], df[0.534,0.050], g[1.325,0.100]
2/2 [=====] - 0s 61ms/step
>2356, dr[0.644,0.567], df[0.563,0.075], g[1.282,0.155]
2/2 [=====] - 0s 60ms/step
>2357, dr[0.551,0.402], df[0.500,0.075], g[1.353,0.105]
2/2 [=====] - 0s 61ms/step
>2358, dr[0.518,0.508], df[0.530,0.122], g[1.228,0.058]
2/2 [=====] - 0s 60ms/step
>2359, dr[0.516,0.252], df[0.722,0.067], g[1.433,0.084]
2/2 [=====] - 0s 59ms/step
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>2360, dr[0.528,0.556], df[0.615,0.090], g[1.362,0.083]
2/2 [=====] - 0s 59ms/step
>2361, dr[0.546,0.533], df[0.549,0.096], g[1.561,0.078]
2/2 [=====] - 0s 60ms/step
>2362, dr[0.749,0.672], df[0.529,0.058], g[1.290,0.134]
2/2 [=====] - 0s 60ms/step
>2363, dr[0.532,0.602], df[0.686,0.125], g[1.355,0.094]
2/2 [=====] - 0s 63ms/step
>2364, dr[0.500,0.384], df[0.653,0.288], g[1.334,0.105]
2/2 [=====] - 0s 70ms/step
>2365, dr[0.596,0.438], df[0.560,0.040], g[1.427,0.078]
2/2 [=====] - 0s 72ms/step
>2366, dr[0.600,0.546], df[0.651,0.095], g[1.541,0.094]
2/2 [=====] - 0s 63ms/step
>2367, dr[0.609,0.418], df[0.607,0.091], g[1.489,0.085]
2/2 [=====] - 0s 69ms/step
>2368, dr[0.577,0.520], df[0.466,0.080], g[1.389,0.077]
2/2 [=====] - 0s 63ms/step
>2369, dr[0.461,0.516], df[0.577,0.113], g[1.290,0.124]
2/2 [=====] - 0s 71ms/step
>2370, dr[0.533,0.536], df[0.588,0.080], g[1.405,0.136]
2/2 [=====] - 0s 64ms/step
>2371, dr[0.620,0.802], df[0.485,0.056], g[1.232,0.120]
2/2 [=====] - 0s 66ms/step
>2372, dr[0.468,0.777], df[0.481,0.113], g[1.250,0.103]
2/2 [=====] - 0s 63ms/step
>2373, dr[0.466,0.638], df[0.546,0.162], g[1.250,0.197]
2/2 [=====] - 0s 67ms/step
>2374, dr[0.558,0.753], df[0.553,0.117], g[1.378,0.140]
2/2 [=====] - 0s 60ms/step
>2375, dr[0.677,0.470], df[0.539,0.128], g[1.288,0.124]
2/2 [=====] - 0s 66ms/step
>2376, dr[0.424,0.397], df[0.640,0.166], g[1.390,0.108]
2/2 [=====] - 0s 65ms/step
>2377, dr[0.574,0.428], df[0.503,0.054], g[1.422,0.099]
2/2 [=====] - 0s 68ms/step
>2378, dr[0.510,0.474], df[0.607,0.128], g[1.327,0.080]
2/2 [=====] - 0s 64ms/step
>2379, dr[0.506,0.420], df[0.715,0.097], g[1.367,0.088]
2/2 [=====] - 0s 64ms/step
>2380, dr[0.644,0.396], df[0.537,0.217], g[1.376,0.136]
2/2 [=====] - 0s 64ms/step
>2381, dr[0.664,0.487], df[0.566,0.058], g[1.118,0.150]
2/2 [=====] - 0s 67ms/step
>2382, dr[0.515,0.539], df[0.678,0.127], g[1.401,0.068]
2/2 [=====] - 0s 68ms/step
>2383, dr[0.639,0.594], df[0.457,0.093], g[1.351,0.105]
2/2 [=====] - 0s 67ms/step
>2384, dr[0.557,0.754], df[0.541,0.115], g[1.174,0.106]
2/2 [=====] - 0s 68ms/step
>2385, dr[0.479,0.473], df[0.582,0.097], g[1.289,0.161]
2/2 [=====] - 0s 73ms/step
>2386, dr[0.473,0.720], df[0.531,0.103], g[1.239,0.092]
2/2 [=====] - 0s 69ms/step
>2387, dr[0.467,0.611], df[0.527,0.231], g[1.381,0.152]
2/2 [=====] - 0s 73ms/step
>2388, dr[0.720,0.497], df[0.573,0.064], g[1.282,0.125]
2/2 [=====] - 0s 74ms/step
>2389, dr[0.598,0.624], df[0.640,0.060], g[1.280,0.097]
2/2 [=====] - 0s 69ms/step
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>2390, dr[0.591,0.440], df[0.764,0.178], g[1.387,0.087]
2/2 [=====] - 0s 74ms/step
>2391, dr[0.528,0.731], df[0.625,0.147], g[1.309,0.091]
2/2 [=====] - 0s 71ms/step
>2392, dr[0.626,0.663], df[0.547,0.058], g[1.216,0.179]
2/2 [=====] - 0s 66ms/step
>2393, dr[0.513,0.436], df[0.722,0.228], g[1.332,0.158]
2/2 [=====] - 0s 70ms/step
>2394, dr[0.555,0.426], df[0.577,0.128], g[1.478,0.124]
2/2 [=====] - 0s 74ms/step
>2395, dr[0.526,0.611], df[0.421,0.189], g[1.105,0.115]
2/2 [=====] - 0s 77ms/step
>2396, dr[0.596,0.377], df[0.658,0.131], g[1.465,0.088]
2/2 [=====] - 0s 70ms/step
>2397, dr[0.608,0.409], df[0.558,0.059], g[1.314,0.120]
2/2 [=====] - 0s 66ms/step
>2398, dr[0.505,0.613], df[0.565,0.073], g[1.277,0.091]
2/2 [=====] - 0s 66ms/step
>2399, dr[0.436,0.750], df[0.560,0.096], g[1.508,0.159]
2/2 [=====] - 0s 65ms/step
>2400, dr[0.557,0.797], df[0.553,0.168], g[1.596,0.077]
2/2 [=====] - 0s 69ms/step
>2401, dr[0.650,0.667], df[0.571,0.106], g[1.303,0.211]
2/2 [=====] - 0s 68ms/step
>2402, dr[0.570,0.794], df[0.534,0.129], g[1.300,0.124]
2/2 [=====] - 0s 71ms/step
>2403, dr[0.529,0.904], df[0.594,0.084], g[1.305,0.118]
2/2 [=====] - 0s 70ms/step
>2404, dr[0.570,0.620], df[0.537,0.149], g[1.285,0.099]
2/2 [=====] - 0s 70ms/step
>2405, dr[0.458,0.606], df[0.512,0.244], g[1.312,0.136]
2/2 [=====] - 0s 87ms/step
>2406, dr[0.544,0.865], df[0.547,0.170], g[1.292,0.173]
2/2 [=====] - 0s 69ms/step
>2407, dr[0.484,0.408], df[0.478,0.086], g[1.521,0.125]
2/2 [=====] - 0s 70ms/step
>2408, dr[0.602,0.456], df[0.569,0.083], g[1.237,0.144]
2/2 [=====] - 0s 70ms/step
>2409, dr[0.527,0.592], df[0.537,0.077], g[1.430,0.144]
2/2 [=====] - 0s 84ms/step
>2410, dr[0.540,0.412], df[0.501,0.054], g[1.298,0.102]
2/2 [=====] - 0s 78ms/step
>2411, dr[0.533,0.868], df[0.547,0.123], g[1.223,0.135]
2/2 [=====] - 0s 65ms/step
>2412, dr[0.524,0.581], df[0.525,0.098], g[1.254,0.062]
2/2 [=====] - 0s 70ms/step
>2413, dr[0.394,0.497], df[0.574,0.066], g[1.318,0.152]
2/2 [=====] - 0s 77ms/step
>2414, dr[0.515,0.358], df[0.445,0.079], g[1.195,0.188]
2/2 [=====] - 0s 69ms/step
>2415, dr[0.535,0.517], df[0.477,0.086], g[1.468,0.104]
2/2 [=====] - 0s 67ms/step
>2416, dr[0.545,0.568], df[0.660,0.077], g[1.445,0.110]
2/2 [=====] - 0s 70ms/step
>2417, dr[0.472,0.728], df[0.560,0.174], g[1.416,0.139]
2/2 [=====] - 0s 67ms/step
>2418, dr[0.599,0.456], df[0.506,0.097], g[1.483,0.045]
2/2 [=====] - 0s 68ms/step
>2419, dr[0.592,0.615], df[0.558,0.084], g[1.267,0.074]
2/2 [=====] - 0s 66ms/step
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>2420, dr[0.574,0.820], df[0.579,0.133], g[1.276,0.097]
2/2 [=====] - 0s 61ms/step
>2421, dr[0.462,0.397], df[0.552,0.120], g[1.318,0.077]
2/2 [=====] - 0s 62ms/step
>2422, dr[0.500,0.434], df[0.554,0.110], g[1.352,0.151]
2/2 [=====] - 0s 60ms/step
>2423, dr[0.430,0.502], df[0.439,0.118], g[1.316,0.095]
2/2 [=====] - 0s 63ms/step
>2424, dr[0.515,0.624], df[0.591,0.073], g[1.339,0.106]
2/2 [=====] - 0s 63ms/step
>2425, dr[0.556,0.482], df[0.550,0.143], g[1.300,0.102]
2/2 [=====] - 0s 64ms/step
>2426, dr[0.433,0.840], df[0.519,0.189], g[1.381,0.178]
2/2 [=====] - 0s 66ms/step
>2427, dr[0.605,0.597], df[0.597,0.063], g[1.291,0.053]
2/2 [=====] - 0s 63ms/step
>2428, dr[0.564,0.495], df[0.659,0.157], g[1.457,0.089]
2/2 [=====] - 0s 73ms/step
>2429, dr[0.526,0.427], df[0.552,0.069], g[1.458,0.064]
2/2 [=====] - 0s 61ms/step
>2430, dr[0.519,0.557], df[0.607,0.117], g[1.329,0.160]
2/2 [=====] - 0s 64ms/step
>2431, dr[0.545,0.667], df[0.509,0.190], g[1.464,0.067]
2/2 [=====] - 0s 66ms/step
>2432, dr[0.556,0.600], df[0.662,0.126], g[1.477,0.081]
2/2 [=====] - 0s 62ms/step
>2433, dr[0.768,0.499], df[0.535,0.176], g[1.394,0.082]
2/2 [=====] - 0s 66ms/step
>2434, dr[0.560,0.558], df[0.751,0.166], g[1.286,0.078]
2/2 [=====] - 0s 68ms/step
>2435, dr[0.548,0.557], df[0.511,0.114], g[1.349,0.122]
2/2 [=====] - 0s 66ms/step
>2436, dr[0.565,0.496], df[0.544,0.072], g[1.420,0.035]
2/2 [=====] - 0s 68ms/step
>2437, dr[0.454,0.619], df[0.663,0.058], g[1.490,0.104]
2/2 [=====] - 0s 67ms/step
>2438, dr[0.492,0.522], df[0.474,0.049], g[1.483,0.092]
2/2 [=====] - 0s 66ms/step
>2439, dr[0.448,0.344], df[0.499,0.076], g[1.490,0.075]
2/2 [=====] - 0s 63ms/step
>2440, dr[0.727,0.585], df[0.431,0.224], g[1.341,0.171]
2/2 [=====] - 0s 63ms/step
>2441, dr[0.580,0.484], df[0.480,0.202], g[1.216,0.155]
2/2 [=====] - 0s 59ms/step
>2442, dr[0.414,0.782], df[0.686,0.097], g[1.339,0.122]
2/2 [=====] - 0s 70ms/step
>2443, dr[0.526,0.796], df[0.504,0.057], g[1.469,0.090]
2/2 [=====] - 0s 60ms/step
>2444, dr[0.615,0.398], df[0.512,0.245], g[1.362,0.069]
2/2 [=====] - 0s 62ms/step
>2445, dr[0.638,0.507], df[0.667,0.084], g[1.373,0.109]
2/2 [=====] - 0s 60ms/step
>2446, dr[0.449,0.717], df[0.560,0.164], g[1.407,0.157]
2/2 [=====] - 0s 60ms/step
>2447, dr[0.614,0.365], df[0.545,0.108], g[1.203,0.108]
2/2 [=====] - 0s 61ms/step
>2448, dr[0.592,0.688], df[0.737,0.055], g[1.404,0.050]
2/2 [=====] - 0s 63ms/step
>2449, dr[0.602,0.623], df[0.529,0.097], g[1.323,0.102]
2/2 [=====] - 0s 61ms/step
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>2450, dr[0.445,0.344], df[0.533,0.107], g[1.288,0.109]
2/2 [=====] - 0s 61ms/step
>2451, dr[0.497,0.631], df[0.601,0.059], g[1.176,0.192]
2/2 [=====] - 0s 60ms/step
>2452, dr[0.670,0.614], df[0.430,0.189], g[1.434,0.098]
2/2 [=====] - 0s 62ms/step
>2453, dr[0.461,0.408], df[0.670,0.198], g[1.386,0.135]
2/2 [=====] - 0s 62ms/step
>2454, dr[0.556,0.388], df[0.532,0.128], g[1.367,0.128]
2/2 [=====] - 0s 61ms/step
>2455, dr[0.562,0.541], df[0.531,0.105], g[1.423,0.111]
2/2 [=====] - 0s 67ms/step
>2456, dr[0.620,0.455], df[0.643,0.100], g[1.327,0.101]
2/2 [=====] - 0s 66ms/step
>2457, dr[0.599,0.511], df[0.571,0.124], g[1.479,0.093]
2/2 [=====] - 0s 66ms/step
>2458, dr[0.483,0.647], df[0.619,0.074], g[1.505,0.086]
2/2 [=====] - 0s 68ms/step
>2459, dr[0.505,0.663], df[0.594,0.163], g[1.570,0.081]
2/2 [=====] - 0s 65ms/step
>2460, dr[0.574,0.509], df[0.453,0.084], g[1.332,0.081]
2/2 [=====] - 0s 68ms/step
>2461, dr[0.577,0.607], df[0.499,0.079], g[1.264,0.122]
2/2 [=====] - 0s 61ms/step
>2462, dr[0.565,0.423], df[0.704,0.198], g[1.301,0.084]
2/2 [=====] - 0s 60ms/step
>2463, dr[0.526,0.603], df[0.656,0.108], g[1.408,0.122]
2/2 [=====] - 0s 59ms/step
>2464, dr[0.588,0.456], df[0.539,0.071], g[1.336,0.082]
2/2 [=====] - 0s 70ms/step
>2465, dr[0.521,0.359], df[0.592,0.128], g[1.291,0.087]
2/2 [=====] - 0s 79ms/step
>2466, dr[0.504,0.366], df[0.497,0.114], g[1.300,0.142]
2/2 [=====] - 0s 75ms/step
>2467, dr[0.469,0.655], df[0.611,0.067], g[1.469,0.146]
2/2 [=====] - 0s 69ms/step
>2468, dr[0.610,0.455], df[0.534,0.254], g[1.403,0.093]
2/2 [=====] - 0s 72ms/step
>2469, dr[0.475,0.658], df[0.576,0.147], g[1.385,0.113]
2/2 [=====] - 0s 76ms/step
>2470, dr[0.574,0.523], df[0.438,0.046], g[1.248,0.107]
2/2 [=====] - 0s 75ms/step
>2471, dr[0.487,0.564], df[0.604,0.154], g[1.214,0.145]
2/2 [=====] - 0s 78ms/step
>2472, dr[0.560,0.471], df[0.590,0.051], g[1.492,0.085]
2/2 [=====] - 0s 99ms/step
>2473, dr[0.396,0.595], df[0.542,0.069], g[1.374,0.095]
2/2 [=====] - 0s 72ms/step
>2474, dr[0.506,0.414], df[0.512,0.114], g[1.366,0.170]
2/2 [=====] - 0s 69ms/step
>2475, dr[0.488,0.504], df[0.452,0.048], g[1.574,0.084]
2/2 [=====] - 0s 59ms/step
>2476, dr[0.563,0.438], df[0.722,0.093], g[1.352,0.103]
2/2 [=====] - 0s 60ms/step
>2477, dr[0.594,0.548], df[0.461,0.104], g[1.314,0.074]
2/2 [=====] - 0s 65ms/step
>2478, dr[0.510,0.525], df[0.567,0.115], g[1.196,0.206]
2/2 [=====] - 0s 71ms/step
>2479, dr[0.497,0.547], df[0.665,0.212], g[1.415,0.087]
2/2 [=====] - 0s 70ms/step
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>2480, dr[0.490,0.497], df[0.661,0.093], g[1.454,0.120]
2/2 [=====] - 0s 68ms/step
>2481, dr[0.591,0.555], df[0.425,0.070], g[1.248,0.074]
2/2 [=====] - 0s 64ms/step
>2482, dr[0.522,0.479], df[0.558,0.121], g[1.322,0.147]
2/2 [=====] - 0s 63ms/step
>2483, dr[0.577,0.778], df[0.502,0.080], g[1.359,0.125]
2/2 [=====] - 0s 61ms/step
>2484, dr[0.436,0.492], df[0.722,0.054], g[1.413,0.146]
2/2 [=====] - 0s 70ms/step
>2485, dr[0.714,0.424], df[0.397,0.083], g[1.433,0.173]
2/2 [=====] - 0s 60ms/step
>2486, dr[0.523,0.481], df[0.598,0.143], g[1.319,0.198]
2/2 [=====] - 0s 60ms/step
>2487, dr[0.518,0.424], df[0.490,0.107], g[1.364,0.115]
2/2 [=====] - 0s 60ms/step
>2488, dr[0.437,0.716], df[0.603,0.178], g[1.421,0.080]
2/2 [=====] - 0s 61ms/step
>2489, dr[0.579,0.339], df[0.498,0.214], g[1.299,0.124]
2/2 [=====] - 0s 66ms/step
>2490, dr[0.431,0.669], df[0.610,0.076], g[1.327,0.081]
2/2 [=====] - 0s 60ms/step
>2491, dr[0.709,0.646], df[0.435,0.064], g[1.249,0.087]
2/2 [=====] - 0s 60ms/step
>2492, dr[0.468,0.560], df[0.690,0.185], g[1.201,0.085]
2/2 [=====] - 0s 61ms/step
>2493, dr[0.460,0.646], df[0.542,0.101], g[1.390,0.113]
2/2 [=====] - 0s 81ms/step
>2494, dr[0.557,0.457], df[0.538,0.244], g[1.367,0.134]
2/2 [=====] - 0s 69ms/step
>2495, dr[0.725,0.873], df[0.650,0.102], g[1.290,0.146]
2/2 [=====] - 0s 69ms/step
>2496, dr[0.540,0.455], df[0.564,0.158], g[1.464,0.091]
2/2 [=====] - 0s 70ms/step
>2497, dr[0.545,0.452], df[0.556,0.123], g[1.407,0.137]
2/2 [=====] - 0s 73ms/step
>2498, dr[0.545,0.324], df[0.566,0.142], g[1.473,0.045]
2/2 [=====] - 0s 69ms/step
>2499, dr[0.703,0.472], df[0.773,0.094], g[1.314,0.121]
2/2 [=====] - 0s 70ms/step
>2500, dr[0.596,0.726], df[0.589,0.086], g[1.348,0.117]
2/2 [=====] - 0s 79ms/step
>2501, dr[0.528,0.925], df[0.669,0.060], g[1.483,0.089]
2/2 [=====] - 0s 74ms/step
>2502, dr[0.592,0.533], df[0.446,0.057], g[1.281,0.092]
2/2 [=====] - 0s 69ms/step
>2503, dr[0.551,0.286], df[0.578,0.089], g[1.331,0.085]
2/2 [=====] - 0s 73ms/step
>2504, dr[0.597,0.696], df[0.566,0.063], g[1.328,0.056]
2/2 [=====] - 0s 77ms/step
>2505, dr[0.501,0.697], df[0.598,0.101], g[1.141,0.106]
2/2 [=====] - 0s 77ms/step
>2506, dr[0.593,0.609], df[0.569,0.171], g[1.343,0.127]
2/2 [=====] - 0s 75ms/step
>2507, dr[0.719,0.789], df[0.629,0.064], g[1.197,0.147]
2/2 [=====] - 0s 69ms/step
>2508, dr[0.559,0.387], df[0.515,0.109], g[1.260,0.084]
2/2 [=====] - 0s 70ms/step
>2509, dr[0.458,0.458], df[0.727,0.113], g[1.338,0.077]
2/2 [=====] - 0s 70ms/step
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>2510, dr[0.509,0.648], df[0.497,0.063], g[1.391,0.096]
2/2 [=====] - 0s 69ms/step
>2511, dr[0.606,0.463], df[0.551,0.142], g[1.365,0.073]
2/2 [=====] - 0s 69ms/step
>2512, dr[0.590,0.887], df[0.601,0.107], g[1.339,0.074]
2/2 [=====] - 0s 67ms/step
>2513, dr[0.538,0.474], df[0.598,0.102], g[1.402,0.113]
2/2 [=====] - 0s 65ms/step
>2514, dr[0.510,0.457], df[0.643,0.136], g[1.353,0.098]
2/2 [=====] - 0s 64ms/step
>2515, dr[0.635,0.614], df[0.601,0.306], g[1.421,0.150]
2/2 [=====] - 0s 67ms/step
>2516, dr[0.521,0.371], df[0.535,0.229], g[1.378,0.080]
2/2 [=====] - 0s 64ms/step
>2517, dr[0.562,0.311], df[0.604,0.080], g[1.441,0.112]
2/2 [=====] - 0s 66ms/step
>2518, dr[0.583,0.328], df[0.592,0.078], g[1.405,0.132]
2/2 [=====] - 0s 72ms/step
>2519, dr[0.516,0.415], df[0.554,0.075], g[1.354,0.081]
2/2 [=====] - 0s 78ms/step
>2520, dr[0.552,0.685], df[0.439,0.070], g[1.239,0.145]
2/2 [=====] - 0s 67ms/step
>2521, dr[0.536,0.725], df[0.672,0.152], g[1.368,0.174]
2/2 [=====] - 0s 61ms/step
>2522, dr[0.550,0.435], df[0.571,0.197], g[1.322,0.120]
2/2 [=====] - 0s 73ms/step
>2523, dr[0.598,0.608], df[0.583,0.079], g[1.300,0.074]
2/2 [=====] - 0s 68ms/step
>2524, dr[0.621,0.589], df[0.634,0.120], g[1.374,0.125]
2/2 [=====] - 0s 65ms/step
>2525, dr[0.540,0.510], df[0.684,0.146], g[1.505,0.083]
2/2 [=====] - 0s 66ms/step
>2526, dr[0.641,0.679], df[0.587,0.076], g[1.344,0.114]
2/2 [=====] - 0s 65ms/step
>2527, dr[0.561,0.536], df[0.474,0.062], g[1.349,0.130]
2/2 [=====] - 0s 65ms/step
>2528, dr[0.643,0.520], df[0.536,0.053], g[1.303,0.107]
2/2 [=====] - 0s 66ms/step
>2529, dr[0.612,0.777], df[0.539,0.076], g[1.087,0.040]
2/2 [=====] - 0s 63ms/step
>2530, dr[0.387,0.466], df[0.604,0.103], g[1.297,0.115]
2/2 [=====] - 0s 72ms/step
>2531, dr[0.445,0.504], df[0.661,0.206], g[1.255,0.101]
2/2 [=====] - 0s 63ms/step
>2532, dr[0.656,0.450], df[0.538,0.091], g[1.156,0.072]
2/2 [=====] - 0s 68ms/step
>2533, dr[0.583,0.650], df[0.615,0.104], g[1.177,0.106]
2/2 [=====] - 0s 62ms/step
>2534, dr[0.629,0.709], df[0.665,0.119], g[1.324,0.107]
2/2 [=====] - 0s 60ms/step
>2535, dr[0.657,0.901], df[0.523,0.140], g[1.291,0.138]
2/2 [=====] - 0s 63ms/step
>2536, dr[0.500,0.413], df[0.531,0.126], g[1.134,0.203]
2/2 [=====] - 0s 59ms/step
>2537, dr[0.468,0.391], df[0.417,0.064], g[1.327,0.127]
2/2 [=====] - 0s 61ms/step
>2538, dr[0.489,0.437], df[0.787,0.121], g[1.296,0.114]
2/2 [=====] - 0s 60ms/step
>2539, dr[0.557,0.630], df[0.564,0.129], g[1.373,0.127]
2/2 [=====] - 0s 64ms/step
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>2540, dr[0.424,0.621], df[0.491,0.104], g[1.332,0.125]
2/2 [=====] - 0s 60ms/step
>2541, dr[0.720,0.548], df[0.507,0.161], g[1.414,0.128]
2/2 [=====] - 0s 61ms/step
>2542, dr[0.538,0.438], df[0.516,0.233], g[1.291,0.072]
2/2 [=====] - 0s 62ms/step
>2543, dr[0.621,0.697], df[0.613,0.133], g[1.165,0.110]
2/2 [=====] - 0s 66ms/step
>2544, dr[0.594,0.652], df[0.877,0.240], g[1.462,0.075]
2/2 [=====] - 0s 62ms/step
>2545, dr[0.530,0.481], df[0.472,0.111], g[1.613,0.095]
2/2 [=====] - 0s 64ms/step
>2546, dr[0.611,0.426], df[0.557,0.130], g[1.384,0.100]
2/2 [=====] - 0s 66ms/step
>2547, dr[0.607,0.748], df[0.645,0.127], g[1.506,0.084]
2/2 [=====] - 0s 60ms/step
>2548, dr[0.527,0.562], df[0.487,0.164], g[1.393,0.143]
2/2 [=====] - 0s 59ms/step
>2549, dr[0.543,0.409], df[0.499,0.068], g[1.259,0.093]
2/2 [=====] - 0s 66ms/step
>2550, dr[0.532,0.702], df[0.640,0.127], g[1.382,0.117]
2/2 [=====] - 0s 76ms/step
>2551, dr[0.521,0.388], df[0.539,0.158], g[1.338,0.098]
2/2 [=====] - 0s 59ms/step
>2552, dr[0.560,0.466], df[0.517,0.095], g[1.276,0.063]
2/2 [=====] - 0s 60ms/step
>2553, dr[0.369,0.325], df[0.535,0.092], g[1.300,0.114]
2/2 [=====] - 0s 63ms/step
>2554, dr[0.524,0.362], df[0.621,0.113], g[1.327,0.103]
2/2 [=====] - 0s 60ms/step
>2555, dr[0.606,0.431], df[0.485,0.141], g[1.213,0.160]
2/2 [=====] - 0s 64ms/step
>2556, dr[0.572,0.980], df[0.489,0.072], g[1.204,0.081]
2/2 [=====] - 0s 63ms/step
>2557, dr[0.491,0.562], df[0.598,0.055], g[1.127,0.126]
2/2 [=====] - 0s 60ms/step
>2558, dr[0.519,0.760], df[0.475,0.172], g[1.082,0.112]
2/2 [=====] - 0s 60ms/step
>2559, dr[0.626,0.889], df[0.611,0.094], g[0.945,0.197]
2/2 [=====] - 0s 60ms/step
>2560, dr[0.510,0.332], df[0.736,0.083], g[1.368,0.110]
2/2 [=====] - 0s 62ms/step
>2561, dr[0.485,0.545], df[0.504,0.066], g[1.315,0.093]
2/2 [=====] - 0s 65ms/step
>2562, dr[0.436,0.446], df[0.511,0.156], g[1.399,0.109]
2/2 [=====] - 0s 66ms/step
>2563, dr[0.572,0.408], df[0.535,0.106], g[1.407,0.092]
2/2 [=====] - 0s 64ms/step
>2564, dr[0.701,0.337], df[0.587,0.070], g[1.279,0.053]
2/2 [=====] - 0s 64ms/step
>2565, dr[0.500,0.674], df[0.455,0.137], g[1.291,0.172]
2/2 [=====] - 0s 65ms/step
>2566, dr[0.480,0.437], df[0.615,0.139], g[1.325,0.058]
2/2 [=====] - 0s 63ms/step
>2567, dr[0.612,0.509], df[0.443,0.038], g[1.228,0.066]
2/2 [=====] - 0s 65ms/step
>2568, dr[0.712,0.660], df[0.649,0.132], g[1.121,0.175]
2/2 [=====] - 0s 63ms/step
>2569, dr[0.461,0.625], df[0.615,0.131], g[1.199,0.096]
2/2 [=====] - 0s 69ms/step
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>2570, dr[0.506,0.739], df[0.597,0.088], g[1.374,0.109]
2/2 [=====] - 0s 64ms/step
>2571, dr[0.552,0.354], df[0.675,0.131], g[1.361,0.157]
2/2 [=====] - 0s 65ms/step
>2572, dr[0.506,0.355], df[0.394,0.093], g[1.433,0.123]
2/2 [=====] - 0s 67ms/step
>2573, dr[0.805,0.598], df[0.645,0.122], g[1.319,0.110]
2/2 [=====] - 0s 62ms/step
>2574, dr[0.506,0.624], df[0.517,0.084], g[1.288,0.085]
2/2 [=====] - 0s 66ms/step
>2575, dr[0.678,0.712], df[0.810,0.054], g[1.179,0.118]
2/2 [=====] - 0s 68ms/step
>2576, dr[0.539,0.442], df[0.629,0.069], g[1.229,0.215]
2/2 [=====] - 0s 66ms/step
>2577, dr[0.561,0.559], df[0.650,0.105], g[1.228,0.099]
2/2 [=====] - 0s 66ms/step
>2578, dr[0.451,0.525], df[0.485,0.136], g[1.546,0.086]
2/2 [=====] - 0s 64ms/step
>2579, dr[0.532,0.714], df[0.624,0.065], g[1.540,0.078]
2/2 [=====] - 0s 66ms/step
>2580, dr[0.601,0.722], df[0.566,0.114], g[1.510,0.136]
2/2 [=====] - 0s 73ms/step
>2581, dr[0.563,0.487], df[0.572,0.149], g[1.413,0.131]
2/2 [=====] - 0s 69ms/step
>2582, dr[0.616,0.560], df[0.581,0.094], g[1.411,0.108]
2/2 [=====] - 0s 68ms/step
>2583, dr[0.545,0.680], df[0.517,0.065], g[1.327,0.146]
2/2 [=====] - 0s 75ms/step
>2584, dr[0.572,0.729], df[0.537,0.070], g[1.378,0.081]
2/2 [=====] - 0s 71ms/step
>2585, dr[0.488,0.670], df[0.559,0.183], g[1.351,0.076]
2/2 [=====] - 0s 71ms/step
>2586, dr[0.452,0.536], df[0.607,0.115], g[1.459,0.081]
2/2 [=====] - 0s 73ms/step
>2587, dr[0.575,0.593], df[0.518,0.108], g[1.505,0.090]
2/2 [=====] - 0s 70ms/step
>2588, dr[0.711,0.741], df[0.569,0.106], g[1.365,0.114]
2/2 [=====] - 0s 73ms/step
>2589, dr[0.482,0.465], df[0.552,0.075], g[1.333,0.136]
2/2 [=====] - 0s 70ms/step
>2590, dr[0.445,0.506], df[0.593,0.102], g[1.424,0.081]
2/2 [=====] - 0s 66ms/step
>2591, dr[0.542,0.677], df[0.493,0.079], g[1.226,0.121]
2/2 [=====] - 0s 72ms/step
>2592, dr[0.544,0.702], df[0.632,0.126], g[1.309,0.163]
2/2 [=====] - 0s 72ms/step
>2593, dr[0.624,0.551], df[0.601,0.105], g[1.365,0.089]
2/2 [=====] - 0s 70ms/step
>2594, dr[0.446,0.461], df[0.504,0.052], g[1.224,0.170]
2/2 [=====] - 0s 70ms/step
>2595, dr[0.458,0.608], df[0.506,0.132], g[1.337,0.135]
2/2 [=====] - 0s 71ms/step
>2596, dr[0.610,0.397], df[0.675,0.102], g[1.355,0.128]
2/2 [=====] - 0s 67ms/step
>2597, dr[0.610,0.567], df[0.490,0.238], g[1.315,0.140]
2/2 [=====] - 0s 69ms/step
>2598, dr[0.672,0.411], df[0.674,0.110], g[1.503,0.082]
2/2 [=====] - 0s 65ms/step
>2599, dr[0.776,0.778], df[0.658,0.234], g[1.291,0.127]
2/2 [=====] - 0s 70ms/step
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>2600, dr[0.460,0.418], df[0.616,0.069], g[1.382,0.094]
2/2 [=====] - 0s 68ms/step
>2601, dr[0.606,0.795], df[0.513,0.131], g[1.256,0.075]
2/2 [=====] - 0s 64ms/step
>2602, dr[0.485,0.405], df[0.508,0.149], g[1.186,0.110]
2/2 [=====] - 0s 65ms/step
>2603, dr[0.496,0.367], df[0.541,0.138], g[1.342,0.137]
2/2 [=====] - 0s 65ms/step
>2604, dr[0.484,0.728], df[0.614,0.064], g[1.220,0.187]
2/2 [=====] - 0s 67ms/step
>2605, dr[0.649,0.450], df[0.522,0.119], g[1.138,0.177]
2/2 [=====] - 0s 63ms/step
>2606, dr[0.478,0.507], df[0.587,0.114], g[1.212,0.271]
2/2 [=====] - 0s 63ms/step
>2607, dr[0.536,0.646], df[0.536,0.036], g[1.330,0.148]
2/2 [=====] - 0s 62ms/step
>2608, dr[0.538,0.550], df[0.624,0.078], g[1.317,0.148]
2/2 [=====] - 0s 61ms/step
>2609, dr[0.535,0.463], df[0.504,0.112], g[1.431,0.102]
2/2 [=====] - 0s 64ms/step
>2610, dr[0.567,0.521], df[0.647,0.132], g[1.324,0.090]
2/2 [=====] - 0s 60ms/step
>2611, dr[0.505,0.550], df[0.605,0.085], g[1.302,0.164]
2/2 [=====] - 0s 60ms/step
>2612, dr[0.531,0.585], df[0.540,0.265], g[1.472,0.119]
2/2 [=====] - 0s 67ms/step
>2613, dr[0.624,0.394], df[0.524,0.074], g[1.316,0.082]
2/2 [=====] - 0s 65ms/step
>2614, dr[0.750,0.325], df[0.646,0.097], g[1.224,0.064]
2/2 [=====] - 0s 65ms/step
>2615, dr[0.552,0.560], df[0.598,0.108], g[1.261,0.070]
2/2 [=====] - 0s 69ms/step
>2616, dr[0.555,0.478], df[0.628,0.104], g[1.438,0.116]
2/2 [=====] - 0s 66ms/step
>2617, dr[0.576,0.532], df[0.592,0.070], g[1.395,0.091]
2/2 [=====] - 0s 66ms/step
>2618, dr[0.510,0.575], df[0.552,0.082], g[1.347,0.128]
2/2 [=====] - 0s 67ms/step
>2619, dr[0.587,0.615], df[0.567,0.057], g[1.318,0.107]
2/2 [=====] - 0s 65ms/step
>2620, dr[0.606,0.543], df[0.589,0.138], g[1.233,0.108]
2/2 [=====] - 0s 70ms/step
>2621, dr[0.580,0.816], df[0.456,0.048], g[1.339,0.135]
2/2 [=====] - 0s 71ms/step
>2622, dr[0.591,0.426], df[0.651,0.091], g[1.180,0.116]
2/2 [=====] - 0s 68ms/step
>2623, dr[0.602,0.782], df[0.594,0.130], g[1.184,0.102]
2/2 [=====] - 0s 73ms/step
>2624, dr[0.524,0.630], df[0.510,0.144], g[1.369,0.087]
2/2 [=====] - 0s 76ms/step
>2625, dr[0.507,0.686], df[0.546,0.061], g[1.239,0.138]
2/2 [=====] - 0s 78ms/step
>2626, dr[0.564,0.699], df[0.482,0.083], g[1.327,0.082]
2/2 [=====] - 0s 72ms/step
>2627, dr[0.541,0.441], df[0.558,0.104], g[1.354,0.125]
2/2 [=====] - 0s 69ms/step
>2628, dr[0.440,0.499], df[0.570,0.039], g[1.330,0.114]
2/2 [=====] - 0s 71ms/step
>2629, dr[0.565,0.665], df[0.433,0.112], g[1.287,0.078]
2/2 [=====] - 0s 64ms/step
```

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>2630, dr[0.582,0.577], df[0.508,0.169], g[1.295,0.130]
2/2 [=====] - 0s 65ms/step
>2631, dr[0.537,0.495], df[0.511,0.070], g[1.068,0.078]
2/2 [=====] - 0s 68ms/step
>2632, dr[0.504,0.690], df[0.645,0.110], g[1.206,0.098]
2/2 [=====] - 0s 71ms/step
>2633, dr[0.532,0.474], df[0.642,0.119], g[1.197,0.129]
2/2 [=====] - 0s 73ms/step
>2634, dr[0.489,0.414], df[0.487,0.064], g[1.422,0.139]
2/2 [=====] - 0s 74ms/step
>2635, dr[0.508,0.389], df[0.558,0.071], g[1.223,0.149]
2/2 [=====] - 0s 64ms/step
>2636, dr[0.561,0.251], df[0.626,0.139], g[1.266,0.180]
2/2 [=====] - 0s 64ms/step
>2637, dr[0.515,0.916], df[0.589,0.066], g[1.425,0.086]
2/2 [=====] - 0s 72ms/step
>2638, dr[0.602,0.531], df[0.701,0.121], g[1.284,0.082]
2/2 [=====] - 0s 63ms/step
>2639, dr[0.521,0.489], df[0.575,0.151], g[1.423,0.073]
2/2 [=====] - 0s 64ms/step
>2640, dr[0.619,0.576], df[0.612,0.073], g[1.401,0.063]
2/2 [=====] - 0s 64ms/step
>2641, dr[0.744,0.729], df[0.636,0.069], g[1.242,0.078]
2/2 [=====] - 0s 64ms/step
>2642, dr[0.566,0.670], df[0.513,0.047], g[1.431,0.074]
2/2 [=====] - 0s 77ms/step
>2643, dr[0.487,0.390], df[0.548,0.110], g[1.296,0.119]
2/2 [=====] - 0s 80ms/step
>2644, dr[0.528,0.468], df[0.531,0.083], g[1.309,0.108]
2/2 [=====] - 0s 65ms/step
>2645, dr[0.453,0.553], df[0.548,0.041], g[1.324,0.080]
2/2 [=====] - 0s 59ms/step
>2646, dr[0.597,0.330], df[0.601,0.147], g[1.404,0.097]
2/2 [=====] - 0s 63ms/step
>2647, dr[0.495,0.655], df[0.591,0.100], g[1.405,0.096]
2/2 [=====] - 0s 63ms/step
>2648, dr[0.534,0.543], df[0.539,0.095], g[1.332,0.120]
2/2 [=====] - 0s 64ms/step
>2649, dr[0.617,0.540], df[0.511,0.091], g[1.326,0.101]
2/2 [=====] - 0s 60ms/step
>2650, dr[0.497,0.514], df[0.481,0.103], g[1.248,0.087]
2/2 [=====] - 0s 62ms/step
>2651, dr[0.513,0.675], df[0.594,0.102], g[1.277,0.074]
2/2 [=====] - 0s 59ms/step
>2652, dr[0.534,0.662], df[0.522,0.087], g[1.286,0.088]
2/2 [=====] - 0s 63ms/step
>2653, dr[0.612,0.579], df[0.653,0.038], g[1.301,0.164]
2/2 [=====] - 0s 63ms/step
>2654, dr[0.530,0.480], df[0.548,0.055], g[1.205,0.093]
2/2 [=====] - 0s 62ms/step
>2655, dr[0.569,0.583], df[0.502,0.117], g[1.258,0.080]
2/2 [=====] - 0s 60ms/step
>2656, dr[0.503,0.640], df[0.693,0.106], g[1.505,0.112]
2/2 [=====] - 0s 62ms/step
>2657, dr[0.546,0.680], df[0.471,0.088], g[1.281,0.076]
2/2 [=====] - 0s 72ms/step
>2658, dr[0.497,0.505], df[0.530,0.111], g[1.290,0.103]
2/2 [=====] - 0s 72ms/step
>2659, dr[0.472,0.371], df[0.593,0.095], g[1.365,0.110]
2/2 [=====] - 0s 74ms/step
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>2660, dr[0.538,0.674], df[0.549,0.141], g[1.252,0.121]
2/2 [=====] - 0s 68ms/step
>2661, dr[0.559,0.574], df[0.409,0.084], g[1.382,0.085]
2/2 [=====] - 0s 62ms/step
>2662, dr[0.520,0.532], df[0.590,0.142], g[1.170,0.132]
2/2 [=====] - 0s 59ms/step
>2663, dr[0.545,0.514], df[0.609,0.168], g[1.254,0.074]
2/2 [=====] - 0s 62ms/step
>2664, dr[0.417,0.526], df[0.548,0.079], g[1.401,0.104]
2/2 [=====] - 0s 61ms/step
>2665, dr[0.466,0.457], df[0.432,0.066], g[1.446,0.155]
2/2 [=====] - 0s 61ms/step
>2666, dr[0.664,0.685], df[0.560,0.095], g[1.223,0.077]
2/2 [=====] - 0s 64ms/step
>2667, dr[0.511,0.422], df[0.650,0.110], g[1.281,0.058]
2/2 [=====] - 0s 64ms/step
>2668, dr[0.649,0.226], df[0.583,0.101], g[1.243,0.101]
2/2 [=====] - 0s 63ms/step
>2669, dr[0.521,0.397], df[0.664,0.048], g[1.400,0.069]
2/2 [=====] - 0s 69ms/step
>2670, dr[0.603,0.643], df[0.590,0.077], g[1.386,0.058]
2/2 [=====] - 0s 70ms/step
>2671, dr[0.564,0.719], df[0.426,0.079], g[1.272,0.109]
2/2 [=====] - 0s 71ms/step
>2672, dr[0.411,0.481], df[0.537,0.112], g[1.345,0.101]
2/2 [=====] - 0s 67ms/step
>2673, dr[0.487,0.502], df[0.464,0.166], g[1.320,0.107]
2/2 [=====] - 0s 68ms/step
>2674, dr[0.541,0.935], df[0.531,0.144], g[1.276,0.117]
2/2 [=====] - 0s 70ms/step
>2675, dr[0.525,0.406], df[0.658,0.095], g[1.340,0.136]
2/2 [=====] - 0s 68ms/step
>2676, dr[0.677,0.710], df[0.553,0.089], g[1.212,0.089]
2/2 [=====] - 0s 70ms/step
>2677, dr[0.487,0.286], df[0.580,0.120], g[1.218,0.101]
2/2 [=====] - 0s 70ms/step
>2678, dr[0.503,0.487], df[0.530,0.147], g[1.335,0.091]
2/2 [=====] - 0s 67ms/step
>2679, dr[0.512,0.527], df[0.410,0.043], g[1.228,0.220]
2/2 [=====] - 0s 65ms/step
>2680, dr[0.709,0.624], df[0.566,0.114], g[1.134,0.130]
2/2 [=====] - 0s 64ms/step
>2681, dr[0.416,0.322], df[0.667,0.207], g[1.308,0.163]
2/2 [=====] - 0s 63ms/step
>2682, dr[0.581,0.698], df[0.567,0.176], g[1.159,0.175]
2/2 [=====] - 0s 67ms/step
>2683, dr[0.601,0.338], df[0.712,0.096], g[1.329,0.082]
2/2 [=====] - 0s 69ms/step
>2684, dr[0.523,0.575], df[0.504,0.109], g[1.279,0.185]
2/2 [=====] - 0s 68ms/step
>2685, dr[0.653,0.736], df[0.582,0.096], g[1.082,0.098]
2/2 [=====] - 0s 67ms/step
>2686, dr[0.499,0.651], df[0.536,0.203], g[1.225,0.104]
2/2 [=====] - 0s 63ms/step
>2687, dr[0.502,0.506], df[0.442,0.099], g[1.069,0.149]
2/2 [=====] - 0s 63ms/step
>2688, dr[0.483,0.469], df[0.608,0.041], g[1.102,0.070]
2/2 [=====] - 0s 63ms/step
>2689, dr[0.436,0.654], df[0.631,0.110], g[1.282,0.104]
2/2 [=====] - 0s 69ms/step
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>2690, dr[0.525,0.373], df[0.724,0.147], g[1.310,0.142]
2/2 [=====] - 0s 65ms/step
>2691, dr[0.634,0.580], df[0.457,0.106], g[1.281,0.122]
2/2 [=====] - 0s 67ms/step
>2692, dr[0.604,0.351], df[0.586,0.160], g[1.132,0.136]
2/2 [=====] - 0s 68ms/step
>2693, dr[0.478,0.247], df[0.656,0.157], g[1.342,0.095]
2/2 [=====] - 0s 71ms/step
>2694, dr[0.554,0.558], df[0.494,0.067], g[1.465,0.092]
2/2 [=====] - 0s 76ms/step
>2695, dr[0.659,0.491], df[0.531,0.080], g[1.350,0.125]
2/2 [=====] - 0s 62ms/step
>2696, dr[0.525,0.670], df[0.497,0.061], g[1.213,0.116]
2/2 [=====] - 0s 61ms/step
>2697, dr[0.527,0.255], df[0.606,0.045], g[1.328,0.103]
2/2 [=====] - 0s 66ms/step
>2698, dr[0.543,0.449], df[0.650,0.152], g[1.326,0.109]
2/2 [=====] - 0s 67ms/step
>2699, dr[0.559,0.603], df[0.581,0.089], g[1.322,0.125]
2/2 [=====] - 0s 65ms/step
>2700, dr[0.457,0.469], df[0.533,0.076], g[1.420,0.064]
2/2 [=====] - 0s 67ms/step
>2701, dr[0.678,0.649], df[0.518,0.056], g[1.231,0.153]
2/2 [=====] - 0s 72ms/step
>2702, dr[0.592,0.382], df[0.453,0.140], g[1.270,0.157]
2/2 [=====] - 0s 63ms/step
>2703, dr[0.600,0.494], df[0.576,0.158], g[1.132,0.051]
2/2 [=====] - 0s 70ms/step
>2704, dr[0.443,0.390], df[0.707,0.057], g[1.093,0.127]
2/2 [=====] - 0s 70ms/step
>2705, dr[0.497,0.433], df[0.783,0.101], g[1.404,0.070]
2/2 [=====] - 0s 75ms/step
>2706, dr[0.643,0.514], df[0.479,0.104], g[1.512,0.084]
2/2 [=====] - 0s 70ms/step
>2707, dr[0.692,0.673], df[0.616,0.151], g[1.254,0.061]
2/2 [=====] - 0s 71ms/step
>2708, dr[0.460,0.528], df[0.611,0.113], g[1.360,0.050]
2/2 [=====] - 0s 67ms/step
>2709, dr[0.710,0.491], df[0.674,0.135], g[1.319,0.109]
2/2 [=====] - 0s 63ms/step
>2710, dr[0.607,0.554], df[0.632,0.088], g[1.306,0.083]
2/2 [=====] - 0s 61ms/step
>2711, dr[0.589,0.265], df[0.440,0.106], g[1.289,0.087]
2/2 [=====] - 0s 61ms/step
>2712, dr[0.567,0.528], df[0.721,0.119], g[1.093,0.148]
2/2 [=====] - 0s 61ms/step
>2713, dr[0.590,0.731], df[0.467,0.091], g[1.277,0.107]
2/2 [=====] - 0s 72ms/step
>2714, dr[0.475,0.374], df[0.471,0.111], g[1.233,0.116]
2/2 [=====] - 0s 70ms/step
>2715, dr[0.623,0.483], df[0.667,0.143], g[1.041,0.096]
2/2 [=====] - 0s 61ms/step
>2716, dr[0.456,0.529], df[0.580,0.068], g[1.520,0.089]
2/2 [=====] - 0s 62ms/step
>2717, dr[0.503,0.316], df[0.561,0.058], g[1.407,0.097]
2/2 [=====] - 0s 63ms/step
>2718, dr[0.602,0.482], df[0.541,0.119], g[1.335,0.128]
2/2 [=====] - 0s 69ms/step
>2719, dr[0.489,0.366], df[0.504,0.094], g[1.397,0.088]
2/2 [=====] - 0s 67ms/step
```

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>2720, dr[0.503,0.363], df[0.476,0.024], g[1.340,0.081]
2/2 [=====] - 0s 68ms/step
>2721, dr[0.509,0.499], df[0.598,0.057], g[1.402,0.105]
2/2 [=====] - 0s 64ms/step
>2722, dr[0.552,0.403], df[0.471,0.059], g[1.202,0.088]
2/2 [=====] - 0s 73ms/step
>2723, dr[0.567,0.744], df[0.583,0.104], g[1.080,0.085]
2/2 [=====] - 0s 72ms/step
>2724, dr[0.586,0.616], df[0.599,0.130], g[1.234,0.079]
2/2 [=====] - 0s 62ms/step
>2725, dr[0.686,0.564], df[0.646,0.144], g[1.399,0.073]
2/2 [=====] - 0s 64ms/step
>2726, dr[0.503,0.338], df[0.659,0.107], g[1.154,0.155]
2/2 [=====] - 0s 63ms/step
>2727, dr[0.583,0.763], df[0.624,0.086], g[1.412,0.053]
2/2 [=====] - 0s 61ms/step
>2728, dr[0.589,0.389], df[0.599,0.125], g[1.431,0.086]
2/2 [=====] - 0s 64ms/step
>2729, dr[0.553,0.487], df[0.650,0.134], g[1.379,0.055]
2/2 [=====] - 0s 68ms/step
>2730, dr[0.469,0.578], df[0.554,0.094], g[1.265,0.144]
2/2 [=====] - 0s 67ms/step
>2731, dr[0.439,0.762], df[0.431,0.139], g[1.290,0.077]
2/2 [=====] - 0s 69ms/step
>2732, dr[0.585,0.737], df[0.509,0.066], g[1.294,0.067]
2/2 [=====] - 0s 64ms/step
>2733, dr[0.621,0.653], df[0.568,0.069], g[1.092,0.100]
2/2 [=====] - 0s 65ms/step
>2734, dr[0.479,0.438], df[0.733,0.122], g[1.291,0.083]
2/2 [=====] - 0s 67ms/step
>2735, dr[0.470,0.437], df[0.525,0.134], g[1.505,0.164]
2/2 [=====] - 0s 64ms/step
>2736, dr[0.609,0.363], df[0.540,0.138], g[1.474,0.118]
2/2 [=====] - 0s 65ms/step
>2737, dr[0.502,0.596], df[0.601,0.104], g[1.353,0.152]
2/2 [=====] - 0s 63ms/step
>2738, dr[0.523,0.383], df[0.537,0.153], g[1.421,0.125]
2/2 [=====] - 0s 70ms/step
>2739, dr[0.603,0.784], df[0.437,0.079], g[1.122,0.087]
2/2 [=====] - 0s 67ms/step
>2740, dr[0.579,0.459], df[0.544,0.056], g[1.382,0.076]
2/2 [=====] - 0s 69ms/step
>2741, dr[0.537,0.658], df[0.510,0.142], g[1.220,0.126]
2/2 [=====] - 0s 68ms/step
>2742, dr[0.445,0.245], df[0.669,0.136], g[1.375,0.089]
2/2 [=====] - 0s 71ms/step
>2743, dr[0.612,0.665], df[0.595,0.067], g[1.222,0.108]
2/2 [=====] - 0s 76ms/step
>2744, dr[0.566,0.577], df[0.586,0.141], g[1.409,0.070]
2/2 [=====] - 0s 71ms/step
>2745, dr[0.529,0.463], df[0.612,0.063], g[1.466,0.095]
2/2 [=====] - 0s 74ms/step
>2746, dr[0.702,0.767], df[0.597,0.059], g[1.369,0.113]
2/2 [=====] - 0s 70ms/step
>2747, dr[0.551,0.757], df[0.586,0.077], g[1.444,0.098]
2/2 [=====] - 0s 73ms/step
>2748, dr[0.487,0.544], df[0.563,0.138], g[1.395,0.133]
2/2 [=====] - 0s 65ms/step
>2749, dr[0.573,0.775], df[0.514,0.135], g[1.550,0.141]
2/2 [=====] - 0s 69ms/step
```

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>2750, dr[0.691,0.438], df[0.393,0.050], g[1.144,0.103]
2/2 [=====] - 0s 66ms/step
>2751, dr[0.485,0.540], df[0.539,0.087], g[1.299,0.079]
2/2 [=====] - 0s 69ms/step
>2752, dr[0.429,0.646], df[0.703,0.112], g[1.452,0.120]
2/2 [=====] - 0s 65ms/step
>2753, dr[0.597,0.589], df[0.580,0.157], g[1.415,0.110]
2/2 [=====] - 0s 71ms/step
>2754, dr[0.571,0.690], df[0.590,0.068], g[1.409,0.091]
2/2 [=====] - 0s 69ms/step
>2755, dr[0.586,0.466], df[0.557,0.101], g[1.329,0.074]
2/2 [=====] - 0s 65ms/step
>2756, dr[0.633,0.705], df[0.521,0.071], g[1.313,0.100]
2/2 [=====] - 0s 66ms/step
>2757, dr[0.613,0.464], df[0.638,0.108], g[1.339,0.057]
2/2 [=====] - 0s 67ms/step
>2758, dr[0.481,0.538], df[0.649,0.137], g[1.344,0.077]
2/2 [=====] - 0s 67ms/step
>2759, dr[0.661,0.421], df[0.532,0.121], g[1.269,0.085]
2/2 [=====] - 0s 71ms/step
>2760, dr[0.542,0.564], df[0.755,0.109], g[1.252,0.072]
2/2 [=====] - 0s 71ms/step
>2761, dr[0.478,0.383], df[0.502,0.069], g[1.266,0.108]
2/2 [=====] - 0s 64ms/step
>2762, dr[0.579,0.659], df[0.542,0.098], g[1.110,0.099]
2/2 [=====] - 0s 67ms/step
>2763, dr[0.440,0.526], df[0.594,0.077], g[1.211,0.092]
2/2 [=====] - 0s 65ms/step
>2764, dr[0.509,0.555], df[0.589,0.053], g[1.457,0.074]
2/2 [=====] - 0s 65ms/step
>2765, dr[0.549,0.631], df[0.571,0.091], g[1.331,0.090]
2/2 [=====] - 0s 69ms/step
>2766, dr[0.636,0.648], df[0.567,0.078], g[1.282,0.105]
2/2 [=====] - 0s 66ms/step
>2767, dr[0.515,0.469], df[0.733,0.075], g[1.198,0.110]
2/2 [=====] - 0s 67ms/step
>2768, dr[0.563,0.422], df[0.535,0.143], g[1.407,0.155]
2/2 [=====] - 0s 69ms/step
>2769, dr[0.626,0.553], df[0.551,0.095], g[1.327,0.085]
2/2 [=====] - 0s 64ms/step
>2770, dr[0.588,0.726], df[0.535,0.114], g[1.219,0.092]
2/2 [=====] - 0s 73ms/step
>2771, dr[0.531,0.534], df[0.679,0.082], g[1.181,0.125]
2/2 [=====] - 0s 69ms/step
>2772, dr[0.564,0.614], df[0.574,0.118], g[1.313,0.131]
2/2 [=====] - 0s 66ms/step
>2773, dr[0.588,0.493], df[0.631,0.087], g[1.530,0.104]
2/2 [=====] - 0s 67ms/step
>2774, dr[0.557,0.696], df[0.537,0.127], g[1.455,0.126]
2/2 [=====] - 0s 66ms/step
>2775, dr[0.630,0.515], df[0.598,0.108], g[1.266,0.085]
2/2 [=====] - 0s 70ms/step
>2776, dr[0.533,0.461], df[0.618,0.068], g[1.376,0.104]
2/2 [=====] - 0s 65ms/step
>2777, dr[0.651,0.349], df[0.533,0.105], g[1.291,0.071]
2/2 [=====] - 0s 67ms/step
>2778, dr[0.461,0.687], df[0.506,0.061], g[1.209,0.141]
2/2 [=====] - 0s 66ms/step
>2779, dr[0.540,0.510], df[0.549,0.183], g[1.488,0.061]
2/2 [=====] - 0s 64ms/step
```

```

>2780, dr[0.542,0.573], df[0.517,0.085], g[1.327,0.102]
2/2 [=====] - 0s 61ms/step
>2781, dr[0.577,0.468], df[0.724,0.136], g[1.242,0.139]
2/2 [=====] - 0s 60ms/step
>2782, dr[0.710,0.555], df[0.557,0.105], g[1.236,0.122]
2/2 [=====] - 0s 63ms/step
>2783, dr[0.620,0.518], df[0.657,0.067], g[1.346,0.091]
2/2 [=====] - 0s 74ms/step
>2784, dr[0.544,0.424], df[0.601,0.155], g[1.281,0.054]
2/2 [=====] - 0s 68ms/step
>2785, dr[0.461,0.609], df[0.519,0.112], g[1.275,0.182]
2/2 [=====] - 0s 78ms/step
>2786, dr[0.514,0.441], df[0.636,0.089], g[1.514,0.135]
2/2 [=====] - 0s 71ms/step
>2787, dr[0.638,0.405], df[0.435,0.077], g[1.266,0.131]
2/2 [=====] - 0s 64ms/step
>2788, dr[0.558,0.408], df[0.570,0.080], g[1.299,0.111]
2/2 [=====] - 0s 66ms/step
>2789, dr[0.585,0.596], df[0.656,0.071], g[1.269,0.066]
2/2 [=====] - 0s 62ms/step
>2790, dr[0.585,0.601], df[0.501,0.055], g[1.418,0.072]
2/2 [=====] - 0s 62ms/step
>2791, dr[0.605,0.547], df[0.534,0.076], g[1.134,0.090]
2/2 [=====] - 0s 77ms/step
>2792, dr[0.482,0.629], df[0.523,0.050], g[1.216,0.092]
2/2 [=====] - 0s 80ms/step
>2793, dr[0.461,0.476], df[0.577,0.116], g[1.461,0.137]
2/2 [=====] - 0s 74ms/step
>2794, dr[0.628,0.368], df[0.599,0.079], g[1.189,0.095]
2/2 [=====] - 0s 71ms/step
>2795, dr[0.618,0.619], df[0.510,0.047], g[1.085,0.087]
2/2 [=====] - 0s 78ms/step
>2796, dr[0.600,0.664], df[0.621,0.061], g[1.235,0.080]
2/2 [=====] - 0s 80ms/step
>2797, dr[0.623,0.438], df[0.601,0.207], g[1.169,0.081]
2/2 [=====] - 0s 73ms/step
>2798, dr[0.552,0.527], df[0.737,0.097], g[1.168,0.061]
2/2 [=====] - 0s 62ms/step
>2799, dr[0.513,0.397], df[0.623,0.098], g[1.295,0.167]
2/2 [=====] - 0s 73ms/step
>2800, dr[0.574,0.554], df[0.542,0.082], g[1.236,0.065]
2/2 [=====] - 0s 70ms/step
>2801, dr[0.650,0.525], df[0.678,0.103], g[1.354,0.098]
2/2 [=====] - 0s 69ms/step
>2802, dr[0.508,0.879], df[0.553,0.116], g[1.373,0.070]
2/2 [=====] - 0s 71ms/step
>2803, dr[0.625,0.601], df[0.573,0.079], g[1.256,0.110]
2/2 [=====] - 0s 63ms/step
>2804, dr[0.518,0.566], df[0.519,0.154], g[1.407,0.092]
2/2 [=====] - 0s 62ms/step
>2805, dr[0.666,0.465], df[0.580,0.049], g[1.222,0.147]
2/2 [=====] - 0s 66ms/step
>2806, dr[0.494,0.420], df[0.552,0.122], g[1.315,0.081]
2/2 [=====] - 0s 61ms/step
>2807, dr[0.473,0.462], df[0.545,0.086], g[1.259,0.099]
2/2 [=====] - 0s 64ms/step
>2808, dr[0.626,0.460], df[0.618,0.063], g[1.532,0.077]
4/4 [=====] - 0s 45ms/step

```

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be built. `model.compile_metrics` will be empty until you train or evaluate the model.

```
>Saved: generated_plot_2808.png and model_2808.h5  
The runtime to fit this model was: 1:05:14.021311.
```

Let's show a summary of the discriminator structure.

```
In [2]: discriminator.summary()
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

7.2) Evaluate Model Performance

Let's generate fake data that can be used to calculate the inception scores.

In [4]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np


model = load_model('model_2808.h5')
latent_dim = 100
n_examples = 300


# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()


# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0


# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```

n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 62ms/step
10/10 [=====] - 1s 59ms/step
10/10 [=====] - 1s 59ms/step
10/10 [=====] - 1s 60ms/step
10/10 [=====] - 1s 60ms/step
10/10 [=====] - 1s 57ms/step
10/10 [=====] - 1s 66ms/step
10/10 [=====] - 1s 59ms/step
10/10 [=====] - 1s 57ms/step
10/10 [=====] - 1s 61ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [5]:

```
# calculate inception score in Keras
from math import floor
```

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 17s 2s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
score 1.2037193 0.005607613
```

8) Model 7 - Experimentation with Convolutional Layer Strides While Fitting AC-GAN

8.1) Build The Model

```
In [ ]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(1,1), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(1,1), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], optimizer=opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)

```

```

gen = Activation('relu')(gen)
gen = Reshape((7, 7, 384))(gen)
# merge image gen and label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)

```

```

# reshape into a batch of inputs for the network
z_input = x_input.reshape(n_samples, latent_dim)
# generate labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=6, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _, d_r1, d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _, d_f, d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples

```

```

y_gan = ones((n_batch, 1))
# update the generator via the discriminator's error
_,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize Loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f1, d_f2, g))
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# Load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")

```

C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.

 warnings.warn(

C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.

 super().__init__(name, **kwargs)

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 196ms/step  
>1, dr[0.578,2.996], df[12.463,5.073], g[0.028,4.145]  
1/1 [=====] - 0s 97ms/step  
>2, dr[0.015,2.879], df[0.958,5.648], g[7.546,4.910]  
1/1 [=====] - 0s 82ms/step  
>3, dr[5.737,3.893], df[0.119,4.374], g[1.487,5.779]  
1/1 [=====] - 0s 78ms/step  
>4, dr[0.097,5.879], df[2.302,5.391], g[5.583,5.066]  
1/1 [=====] - 0s 79ms/step  
>5, dr[1.882,4.366], df[0.250,7.688], g[2.312,4.718]  
1/1 [=====] - 0s 77ms/step  
>6, dr[0.084,3.212], df[0.591,6.520], g[4.274,6.838]  
1/1 [=====] - 0s 100ms/step  
>7, dr[0.378,6.358], df[0.118,9.054], g[2.755,5.122]  
1/1 [=====] - 0s 81ms/step  
>8, dr[0.217,4.169], df[0.371,6.299], g[3.471,7.173]  
1/1 [=====] - 0s 87ms/step  
>9, dr[0.407,4.222], df[0.233,6.493], g[2.490,7.817]  
1/1 [=====] - 0s 93ms/step  
>10, dr[0.078,4.827], df[0.057,11.340], g[2.029,9.544]  
1/1 [=====] - 0s 137ms/step  
>11, dr[0.102,8.616], df[0.156,9.830], g[2.047,10.725]  
1/1 [=====] - 0s 82ms/step  
>12, dr[0.082,5.301], df[0.034,14.725], g[1.977,12.642]  
1/1 [=====] - 0s 79ms/step  
>13, dr[0.071,6.824], df[0.065,8.685], g[1.621,10.040]  
1/1 [=====] - 0s 75ms/step  
>14, dr[0.036,7.828], df[0.059,6.844], g[1.581,6.642]  
1/1 [=====] - 0s 78ms/step  
>15, dr[0.089,5.054], df[0.033,12.571], g[0.824,8.698]  
1/1 [=====] - 0s 83ms/step  
>16, dr[0.024,4.794], df[0.146,9.214], g[1.662,11.547]  
1/1 [=====] - 0s 77ms/step  
>17, dr[0.176,6.405], df[0.027,10.861], g[1.284,8.272]  
1/1 [=====] - 0s 90ms/step  
>18, dr[0.032,4.982], df[0.035,7.578], g[0.657,8.821]  
1/1 [=====] - 0s 76ms/step  
>19, dr[0.140,6.929], df[0.024,7.903], g[0.426,6.698]  
1/1 [=====] - 0s 76ms/step  
>20, dr[0.028,4.639], df[0.065,9.008], g[0.690,6.205]  
1/1 [=====] - 0s 79ms/step  
>21, dr[0.184,2.090], df[0.106,8.131], g[0.328,7.372]  
1/1 [=====] - 0s 80ms/step  
>22, dr[0.022,4.470], df[0.024,5.293], g[0.233,7.025]  
1/1 [=====] - 0s 77ms/step  
>23, dr[0.039,4.722], df[0.071,6.951], g[0.156,7.961]  
1/1 [=====] - 0s 78ms/step  
>24, dr[0.023,3.831], df[0.009,8.434], g[0.212,4.646]  
1/1 [=====] - 0s 81ms/step  
>25, dr[0.067,1.172], df[0.043,5.074], g[0.091,5.543]  
1/1 [=====] - 0s 78ms/step  
>26, dr[0.069,1.913], df[0.072,7.117], g[0.092,8.865]  
1/1 [=====] - 0s 81ms/step  
>27, dr[0.025,4.422], df[0.054,8.116], g[0.165,6.538]  
1/1 [=====] - 0s 77ms/step  
>28, dr[0.051,5.353], df[0.045,5.984], g[0.263,8.337]  
1/1 [=====] - 0s 79ms/step  
>29, dr[0.227,5.429], df[0.047,7.537], g[0.023,9.438]  
1/1 [=====] - 0s 77ms/step
```

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>30, dr[0.006,2.904], df[0.113,6.278], g[0.263,7.188]
1/1 [=====] - 0s 74ms/step
>31, dr[0.086,3.151], df[0.010,7.464], g[0.210,4.940]
1/1 [=====] - 0s 78ms/step
>32, dr[0.042,2.008], df[0.024,7.106], g[0.064,7.363]
1/1 [=====] - 0s 77ms/step
>33, dr[0.064,4.005], df[0.036,4.839], g[0.025,8.035]
1/1 [=====] - 0s 72ms/step
>34, dr[0.030,3.633], df[0.085,10.165], g[0.096,7.344]
1/1 [=====] - 0s 76ms/step
>35, dr[0.035,1.841], df[0.023,6.022], g[0.192,7.221]
1/1 [=====] - 0s 74ms/step
>36, dr[0.087,1.833], df[0.055,6.726], g[0.102,4.925]
1/1 [=====] - 0s 76ms/step
>37, dr[0.005,0.982], df[0.047,5.737], g[0.236,8.718]
1/1 [=====] - 0s 75ms/step
>38, dr[0.080,2.713], df[0.168,7.301], g[0.353,5.608]
1/1 [=====] - 0s 73ms/step
>39, dr[0.099,1.902], df[0.018,8.294], g[0.142,5.783]
1/1 [=====] - 0s 76ms/step
>40, dr[0.057,2.349], df[0.070,5.537], g[0.226,8.220]
1/1 [=====] - 0s 77ms/step
>41, dr[0.056,2.664], df[0.067,9.142], g[0.326,8.922]
1/1 [=====] - 0s 80ms/step
>42, dr[0.051,2.492], df[0.028,7.101], g[0.433,8.854]
1/1 [=====] - 0s 77ms/step
>43, dr[0.016,5.086], df[0.046,8.698], g[0.269,8.731]
1/1 [=====] - 0s 80ms/step
>44, dr[0.156,3.988], df[0.072,10.529], g[0.067,6.747]
1/1 [=====] - 0s 77ms/step
>45, dr[0.018,3.227], df[0.028,7.847], g[0.176,7.944]
1/1 [=====] - 0s 78ms/step
>46, dr[0.013,3.587], df[0.001,9.958], g[0.162,11.372]
1/1 [=====] - 0s 76ms/step
>47, dr[0.031,3.247], df[0.002,11.455], g[0.160,6.365]
1/1 [=====] - 0s 79ms/step
>48, dr[0.002,5.653], df[0.001,13.581], g[0.092,8.994]
1/1 [=====] - 0s 76ms/step
>49, dr[0.021,3.951], df[0.001,10.843], g[0.101,10.539]
1/1 [=====] - 0s 82ms/step
>50, dr[0.003,2.799], df[0.001,9.438], g[0.088,8.864]
1/1 [=====] - 0s 79ms/step
>51, dr[0.005,2.295], df[0.002,9.614], g[0.052,6.763]
1/1 [=====] - 0s 85ms/step
>52, dr[0.006,4.188], df[0.004,6.087], g[0.127,6.742]
1/1 [=====] - 0s 91ms/step
>53, dr[0.006,3.341], df[0.014,7.398], g[0.080,6.933]
1/1 [=====] - 0s 80ms/step
>54, dr[0.007,3.540], df[0.027,8.753], g[0.145,6.572]
1/1 [=====] - 0s 79ms/step
>55, dr[0.019,2.305], df[0.038,6.714], g[0.294,5.695]
1/1 [=====] - 0s 297ms/step
>56, dr[0.146,0.997], df[0.059,5.656], g[0.174,4.224]
1/1 [=====] - 0s 120ms/step
>57, dr[0.027,0.775], df[0.043,7.625], g[0.206,6.613]
1/1 [=====] - 0s 108ms/step
>58, dr[0.012,2.562], df[0.021,5.268], g[0.432,9.598]
1/1 [=====] - 0s 126ms/step
>59, dr[0.010,2.531], df[0.013,4.877], g[0.671,6.232]
1/1 [=====] - 0s 88ms/step
```

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>60, dr[0.027,2.414], df[0.017,7.096], g[0.275,6.910]
1/1 [=====] - 0s 90ms/step
>61, dr[0.031,1.771], df[0.026,6.453], g[0.326,5.448]
1/1 [=====] - 0s 84ms/step
>62, dr[0.010,2.858], df[0.023,7.922], g[0.285,6.844]
1/1 [=====] - 0s 103ms/step
>63, dr[0.020,1.988], df[0.011,5.404], g[0.229,5.350]
1/1 [=====] - 0s 99ms/step
>64, dr[0.120,1.475], df[0.031,7.729], g[0.072,6.390]
1/1 [=====] - 0s 87ms/step
>65, dr[0.022,2.566], df[0.018,8.645], g[0.053,6.352]
1/1 [=====] - 0s 87ms/step
>66, dr[0.037,1.742], df[0.085,6.319], g[0.252,6.630]
1/1 [=====] - 0s 109ms/step
>67, dr[0.071,2.802], df[0.008,6.057], g[0.192,5.294]
1/1 [=====] - 0s 82ms/step
>68, dr[0.007,1.152], df[0.005,6.444], g[0.205,7.099]
1/1 [=====] - 0s 78ms/step
>69, dr[0.013,2.418], df[0.008,5.512], g[0.256,4.523]
1/1 [=====] - 0s 84ms/step
>70, dr[0.120,0.774], df[0.022,4.915], g[0.026,4.645]
1/1 [=====] - 0s 81ms/step
>71, dr[0.015,1.863], df[0.044,6.089], g[0.034,3.603]
1/1 [=====] - 0s 85ms/step
>72, dr[0.013,2.113], df[0.005,4.568], g[0.085,5.256]
1/1 [=====] - 0s 86ms/step
>73, dr[0.011,2.324], df[0.005,8.883], g[0.116,7.575]
1/1 [=====] - 0s 83ms/step
>74, dr[0.023,2.299], df[0.009,7.379], g[0.141,5.792]
1/1 [=====] - 0s 87ms/step
>75, dr[0.023,2.448], df[0.017,8.041], g[0.067,5.633]
1/1 [=====] - 0s 91ms/step
>76, dr[0.002,1.147], df[0.013,6.450], g[0.082,5.878]
1/1 [=====] - 0s 87ms/step
>77, dr[0.003,1.722], df[0.012,6.562], g[0.070,7.146]
1/1 [=====] - 0s 110ms/step
>78, dr[0.029,1.656], df[0.007,7.265], g[0.057,5.199]
1/1 [=====] - 0s 91ms/step
>79, dr[0.002,2.675], df[0.012,7.816], g[0.094,5.921]
1/1 [=====] - 0s 95ms/step
>80, dr[0.018,1.396], df[0.004,4.814], g[0.153,6.218]
1/1 [=====] - 0s 90ms/step
>81, dr[0.043,2.420], df[0.014,5.595], g[0.043,5.311]
1/1 [=====] - 0s 86ms/step
>82, dr[0.005,2.501], df[0.021,4.828], g[0.074,6.271]
1/1 [=====] - 0s 81ms/step
>83, dr[0.004,1.276], df[0.011,4.829], g[0.245,5.827]
1/1 [=====] - 0s 84ms/step
>84, dr[0.013,1.420], df[0.084,7.541], g[0.842,4.308]
1/1 [=====] - 0s 84ms/step
>85, dr[0.050,1.878], df[0.014,4.013], g[0.427,6.667]
1/1 [=====] - 0s 85ms/step
>86, dr[0.084,1.146], df[0.042,6.851], g[0.351,6.946]
1/1 [=====] - 0s 83ms/step
>87, dr[0.004,1.822], df[0.153,6.578], g[2.262,4.512]
1/1 [=====] - 0s 86ms/step
>88, dr[0.031,2.316], df[0.030,6.224], g[2.666,6.741]
1/1 [=====] - 0s 83ms/step
>89, dr[0.420,3.066], df[0.678,7.845], g[7.163,6.011]
1/1 [=====] - 0s 106ms/step
```

```
>90, dr[2.157,2.268], df[3.250,5.324], g[11.356,5.872]
1/1 [=====] - 0s 87ms/step
>91, dr[2.975,1.422], df[0.015,7.840], g[0.009,4.289]
1/1 [=====] - 0s 85ms/step
>92, dr[0.000,1.190], df[3.086,7.297], g[16.138,5.990]
1/1 [=====] - 0s 87ms/step
>93, dr[1.332,2.833], df[0.000,10.145], g[16.513,8.697]
1/1 [=====] - 0s 80ms/step
>94, dr[1.080,2.841], df[0.000,6.620], g[4.973,7.442]
1/1 [=====] - 0s 83ms/step
>95, dr[0.219,1.028], df[0.014,9.108], g[0.505,5.829]
1/1 [=====] - 0s 81ms/step
>96, dr[0.000,1.830], df[0.279,5.173], g[3.546,8.260]
1/1 [=====] - 0s 83ms/step
>97, dr[0.000,1.379], df[0.000,8.481], g[7.673,4.865]
1/1 [=====] - 0s 79ms/step
>98, dr[0.001,0.896], df[0.000,7.370], g[8.895,5.556]
1/1 [=====] - 0s 81ms/step
>99, dr[0.034,1.618], df[0.000,6.474], g[6.581,6.585]
1/1 [=====] - 0s 83ms/step
>100, dr[0.109,2.542], df[0.004,4.392], g[2.600,7.419]
1/1 [=====] - 0s 84ms/step
>101, dr[0.009,3.119], df[0.037,5.606], g[0.814,4.896]
1/1 [=====] - 0s 78ms/step
>102, dr[0.195,1.596], df[0.038,8.666], g[0.353,6.875]
1/1 [=====] - 0s 89ms/step
>103, dr[0.028,3.651], df[0.064,8.913], g[0.600,8.083]
1/1 [=====] - 0s 86ms/step
>104, dr[0.006,3.156], df[0.006,10.236], g[0.244,8.020]
1/1 [=====] - 0s 82ms/step
>105, dr[0.001,1.837], df[0.011,9.932], g[0.329,5.391]
1/1 [=====] - 0s 84ms/step
>106, dr[0.057,1.711], df[0.015,8.012], g[0.117,7.626]
1/1 [=====] - 0s 88ms/step
>107, dr[0.003,1.529], df[0.048,9.306], g[0.158,8.645]
1/1 [=====] - 0s 80ms/step
>108, dr[0.021,2.174], df[0.004,6.293], g[0.212,6.529]
1/1 [=====] - 0s 80ms/step
>109, dr[0.077,1.224], df[0.012,6.318], g[0.050,6.078]
1/1 [=====] - 0s 85ms/step
>110, dr[0.074,2.370], df[0.090,5.997], g[0.046,7.777]
1/1 [=====] - 0s 90ms/step
>111, dr[0.022,3.644], df[0.020,6.778], g[0.143,6.823]
1/1 [=====] - 0s 88ms/step
>112, dr[0.060,4.695], df[0.017,6.250], g[0.103,8.513]
1/1 [=====] - 0s 99ms/step
>113, dr[0.176,2.417], df[0.084,6.810], g[0.079,7.329]
1/1 [=====] - 0s 82ms/step
>114, dr[0.005,2.458], df[0.011,5.536], g[0.200,9.389]
1/1 [=====] - 0s 77ms/step
>115, dr[0.058,3.099], df[0.029,12.859], g[0.053,5.721]
1/1 [=====] - 0s 77ms/step
>116, dr[0.049,2.761], df[0.024,5.139], g[0.233,5.611]
1/1 [=====] - 0s 74ms/step
>117, dr[0.029,1.272], df[0.028,4.461], g[0.436,4.299]
1/1 [=====] - 0s 92ms/step
>118, dr[0.008,1.916], df[0.011,6.032], g[0.077,3.894]
1/1 [=====] - 0s 90ms/step
>119, dr[0.292,1.109], df[0.169,5.856], g[0.057,5.860]
1/1 [=====] - 0s 79ms/step
```

```
>120, dr[0.029,1.703], df[0.004,6.423], g[0.337,8.940]
1/1 [=====] - 0s 86ms/step
>121, dr[0.315,1.674], df[0.007,7.501], g[0.026,5.971]
1/1 [=====] - 0s 92ms/step
>122, dr[0.008,1.669], df[0.107,7.151], g[0.082,6.547]
1/1 [=====] - 0s 89ms/step
>123, dr[0.053,2.304], df[0.004,7.707], g[0.071,4.635]
1/1 [=====] - 0s 102ms/step
>124, dr[0.131,2.259], df[0.143,5.817], g[0.139,4.967]
1/1 [=====] - 0s 97ms/step
>125, dr[0.181,0.559], df[0.012,3.849], g[0.069,5.451]
1/1 [=====] - 0s 90ms/step
>126, dr[0.037,1.459], df[0.013,4.607], g[0.066,5.745]
1/1 [=====] - 0s 99ms/step
>127, dr[0.034,2.524], df[0.016,6.398], g[0.136,4.606]
1/1 [=====] - 0s 95ms/step
>128, dr[0.147,1.172], df[0.101,3.566], g[0.043,5.741]
1/1 [=====] - 0s 84ms/step
>129, dr[0.018,1.775], df[0.004,5.127], g[0.114,5.251]
1/1 [=====] - 0s 101ms/step
>130, dr[0.199,1.871], df[0.027,5.641], g[0.008,5.428]
1/1 [=====] - 0s 79ms/step
>131, dr[0.002,0.403], df[0.142,6.864], g[0.229,4.537]
1/1 [=====] - 0s 73ms/step
>132, dr[0.314,1.471], df[0.004,4.988], g[0.345,2.838]
1/1 [=====] - 0s 73ms/step
>133, dr[0.081,0.859], df[0.004,3.843], g[0.064,3.796]
1/1 [=====] - 0s 85ms/step
>134, dr[0.021,1.406], df[0.005,4.374], g[0.064,2.432]
1/1 [=====] - 0s 77ms/step
>135, dr[0.003,1.533], df[0.026,3.252], g[0.081,3.213]
1/1 [=====] - 0s 74ms/step
>136, dr[0.049,1.542], df[0.015,2.950], g[0.057,2.634]
1/1 [=====] - 0s 74ms/step
>137, dr[0.012,0.839], df[0.016,3.092], g[0.083,1.973]
1/1 [=====] - 0s 83ms/step
>138, dr[0.006,1.184], df[0.007,2.410], g[0.091,2.888]
1/1 [=====] - 0s 76ms/step
>139, dr[0.006,1.788], df[0.016,2.827], g[0.018,3.197]
1/1 [=====] - 0s 74ms/step
>140, dr[0.003,1.033], df[0.041,2.686], g[0.054,3.020]
1/1 [=====] - 0s 75ms/step
>141, dr[0.004,1.283], df[0.020,3.294], g[0.087,2.036]
1/1 [=====] - 0s 95ms/step
>142, dr[0.439,1.140], df[0.099,5.528], g[0.100,3.174]
1/1 [=====] - 0s 78ms/step
>143, dr[0.020,2.272], df[0.003,2.982], g[0.044,2.907]
1/1 [=====] - 0s 77ms/step
>144, dr[0.028,1.573], df[0.025,2.776], g[0.005,2.122]
1/1 [=====] - 0s 79ms/step
>145, dr[0.185,1.607], df[0.121,2.441], g[0.045,1.880]
1/1 [=====] - 0s 78ms/step
>146, dr[0.031,0.486], df[0.004,1.606], g[0.032,1.157]
1/1 [=====] - 0s 76ms/step
>147, dr[0.094,0.835], df[0.004,2.531], g[0.005,2.293]
1/1 [=====] - 0s 99ms/step
>148, dr[0.034,1.838], df[0.011,2.568], g[0.040,1.622]
1/1 [=====] - 0s 87ms/step
>149, dr[0.021,0.949], df[0.009,1.832], g[0.022,2.547]
1/1 [=====] - 0s 84ms/step
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>150, dr[0.008,2.508], df[0.033,2.478], g[0.009,1.369]
1/1 [=====] - 0s 75ms/step
>151, dr[0.035,0.887], df[0.040,2.593], g[0.021,2.549]
1/1 [=====] - 0s 79ms/step
>152, dr[0.021,1.877], df[0.016,3.697], g[0.029,2.976]
1/1 [=====] - 0s 78ms/step
>153, dr[0.021,1.912], df[0.017,3.177], g[0.023,1.856]
1/1 [=====] - 0s 79ms/step
>154, dr[0.183,2.797], df[0.130,4.288], g[0.011,2.526]
1/1 [=====] - 0s 82ms/step
>155, dr[0.052,1.273], df[0.059,3.409], g[0.006,2.208]
1/1 [=====] - 0s 84ms/step
>156, dr[0.137,1.627], df[0.029,2.519], g[0.003,3.019]
1/1 [=====] - 0s 133ms/step
>157, dr[0.048,2.062], df[0.004,3.269], g[0.070,2.302]
1/1 [=====] - 0s 80ms/step
>158, dr[0.025,1.375], df[0.012,2.434], g[0.019,1.645]
1/1 [=====] - 0s 77ms/step
>159, dr[0.002,0.874], df[0.019,1.676], g[0.016,1.763]
1/1 [=====] - 0s 86ms/step
>160, dr[0.002,1.227], df[0.014,2.594], g[0.067,1.959]
1/1 [=====] - 0s 88ms/step
>161, dr[0.045,1.757], df[0.025,2.127], g[0.018,1.649]
1/1 [=====] - 0s 72ms/step
>162, dr[0.004,1.877], df[0.015,2.006], g[0.037,1.380]
1/1 [=====] - 0s 78ms/step
>163, dr[0.056,1.250], df[0.023,1.145], g[0.030,0.969]
1/1 [=====] - 0s 89ms/step
>164, dr[0.010,0.777], df[0.024,2.690], g[0.072,1.591]
1/1 [=====] - 0s 80ms/step
>165, dr[0.007,1.380], df[0.083,1.262], g[0.133,2.158]
1/1 [=====] - 0s 82ms/step
>166, dr[0.036,0.991], df[0.004,1.110], g[0.083,1.857]
1/1 [=====] - 0s 82ms/step
>167, dr[0.177,3.329], df[0.494,1.893], g[0.252,1.186]
1/1 [=====] - 0s 85ms/step
>168, dr[0.253,1.381], df[0.001,2.320], g[0.012,1.890]
1/1 [=====] - 0s 80ms/step
>169, dr[0.046,1.396], df[0.008,1.588], g[0.001,1.378]
1/1 [=====] - 0s 84ms/step
>170, dr[0.003,1.475], df[0.049,1.165], g[0.010,0.726]
1/1 [=====] - 0s 78ms/step
>171, dr[0.031,0.611], df[0.001,0.971], g[0.024,0.647]
1/1 [=====] - 0s 85ms/step
>172, dr[0.026,1.027], df[0.001,1.320], g[0.026,0.462]
1/1 [=====] - 0s 74ms/step
>173, dr[0.033,1.596], df[0.019,1.260], g[0.006,0.541]
1/1 [=====] - 0s 85ms/step
>174, dr[0.027,0.831], df[0.001,1.082], g[0.007,0.880]
1/1 [=====] - 0s 84ms/step
>175, dr[0.002,1.833], df[0.002,0.805], g[0.010,1.013]
1/1 [=====] - 0s 84ms/step
>176, dr[0.003,1.229], df[0.004,1.925], g[0.005,1.321]
1/1 [=====] - 0s 81ms/step
>177, dr[0.004,1.552], df[0.008,1.436], g[0.005,1.047]
1/1 [=====] - 0s 83ms/step
>178, dr[0.001,1.517], df[0.060,1.475], g[0.009,0.734]
1/1 [=====] - 0s 79ms/step
>179, dr[0.012,0.981], df[0.003,0.961], g[0.013,0.830]
1/1 [=====] - 0s 79ms/step
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>180, dr[0.010,1.474], df[0.001,0.709], g[0.063,0.276]
1/1 [=====] - 0s 86ms/step
>181, dr[0.020,0.662], df[0.005,0.775], g[0.028,0.515]
1/1 [=====] - 0s 77ms/step
>182, dr[0.029,1.175], df[0.023,1.633], g[0.012,0.507]
1/1 [=====] - 0s 82ms/step
>183, dr[0.013,1.050], df[0.004,0.656], g[0.009,0.320]
1/1 [=====] - 0s 79ms/step
>184, dr[0.005,1.959], df[0.004,0.318], g[0.008,0.458]
1/1 [=====] - 0s 71ms/step
>185, dr[0.003,0.922], df[0.002,0.637], g[0.019,0.329]
1/1 [=====] - 0s 78ms/step
>186, dr[0.007,0.854], df[0.004,0.581], g[0.014,0.499]
1/1 [=====] - 0s 75ms/step
>187, dr[0.003,0.835], df[0.004,0.260], g[0.007,0.590]
1/1 [=====] - 0s 74ms/step
>188, dr[0.006,1.145], df[0.011,0.381], g[0.011,0.159]
1/1 [=====] - 0s 74ms/step
>189, dr[0.032,0.804], df[0.024,0.359], g[0.005,0.385]
1/1 [=====] - 0s 92ms/step
>190, dr[0.023,0.436], df[0.004,0.352], g[0.005,0.283]
1/1 [=====] - 0s 77ms/step
>191, dr[0.004,0.816], df[0.005,0.333], g[0.006,0.258]
1/1 [=====] - 0s 74ms/step
>192, dr[0.004,1.097], df[0.003,0.349], g[0.004,0.515]
1/1 [=====] - 0s 72ms/step
>193, dr[0.002,1.383], df[0.000,0.362], g[0.008,0.347]
1/1 [=====] - 0s 69ms/step
>194, dr[0.019,0.776], df[0.001,0.478], g[0.019,0.103]
1/1 [=====] - 0s 71ms/step
>195, dr[0.002,1.100], df[0.011,0.188], g[0.014,0.238]
1/1 [=====] - 0s 70ms/step
>196, dr[0.003,0.644], df[0.024,0.473], g[0.022,0.215]
1/1 [=====] - 0s 78ms/step
>197, dr[0.082,0.647], df[0.010,0.408], g[0.005,0.134]
1/1 [=====] - 0s 73ms/step
>198, dr[0.016,0.868], df[0.008,0.217], g[0.002,0.297]
1/1 [=====] - 0s 72ms/step
>199, dr[0.009,0.853], df[0.012,0.261], g[0.002,0.132]
1/1 [=====] - 0s 72ms/step
>200, dr[0.009,1.052], df[0.004,0.361], g[0.002,0.082]
1/1 [=====] - 0s 77ms/step
>201, dr[0.011,0.820], df[0.004,0.391], g[0.003,0.291]
1/1 [=====] - 0s 71ms/step
>202, dr[0.011,1.944], df[0.001,0.249], g[0.008,0.277]
1/1 [=====] - 0s 71ms/step
>203, dr[0.002,0.424], df[0.001,0.570], g[0.028,0.200]
1/1 [=====] - 0s 78ms/step
>204, dr[0.006,1.314], df[0.011,0.158], g[0.007,0.396]
1/1 [=====] - 0s 79ms/step
>205, dr[0.001,1.387], df[0.011,0.432], g[0.013,0.305]
1/1 [=====] - 0s 70ms/step
>206, dr[0.009,1.453], df[0.005,0.270], g[0.022,0.087]
1/1 [=====] - 0s 75ms/step
>207, dr[0.005,1.415], df[0.007,0.080], g[0.059,0.172]
1/1 [=====] - 0s 70ms/step
>208, dr[0.014,1.179], df[0.011,0.493], g[0.011,0.267]
1/1 [=====] - 0s 74ms/step
>209, dr[0.007,2.440], df[0.067,0.158], g[0.020,0.705]
1/1 [=====] - 0s 86ms/step
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>210, dr[0.014,1.198], df[0.000,0.156], g[0.021,0.151]
1/1 [=====] - 0s 80ms/step
>211, dr[0.022,0.764], df[0.016,0.032], g[0.025,0.221]
1/1 [=====] - 0s 79ms/step
>212, dr[0.055,2.600], df[0.007,0.148], g[0.002,0.422]
1/1 [=====] - 0s 77ms/step
>213, dr[0.012,1.213], df[0.006,0.089], g[0.003,0.384]
1/1 [=====] - 0s 141ms/step
>214, dr[0.004,1.307], df[0.010,0.472], g[0.030,0.088]
1/1 [=====] - 0s 141ms/step
>215, dr[0.007,1.264], df[0.002,0.174], g[0.045,0.198]
1/1 [=====] - 0s 100ms/step
>216, dr[0.010,1.095], df[0.001,0.193], g[0.019,0.159]
1/1 [=====] - 0s 90ms/step
>217, dr[0.006,1.101], df[0.002,0.306], g[0.029,0.186]
1/1 [=====] - 0s 79ms/step
>218, dr[0.002,0.885], df[0.009,0.095], g[0.016,0.086]
1/1 [=====] - 0s 90ms/step
>219, dr[0.004,1.270], df[0.018,0.054], g[0.007,0.136]
1/1 [=====] - 0s 83ms/step
>220, dr[0.011,0.503], df[0.026,0.135], g[0.014,0.096]
1/1 [=====] - 0s 81ms/step
>221, dr[0.022,0.848], df[0.031,0.041], g[0.017,0.176]
1/1 [=====] - 0s 84ms/step
>222, dr[0.019,2.242], df[0.001,0.333], g[0.015,0.097]
1/1 [=====] - 0s 84ms/step
>223, dr[0.051,0.987], df[0.019,0.141], g[0.015,0.122]
1/1 [=====] - 0s 79ms/step
>224, dr[0.040,1.236], df[0.051,0.041], g[0.004,0.061]
1/1 [=====] - 0s 76ms/step
>225, dr[0.019,1.011], df[0.016,0.023], g[0.030,0.126]
1/1 [=====] - 0s 75ms/step
>226, dr[0.021,1.462], df[0.001,0.033], g[0.013,0.274]
1/1 [=====] - 0s 76ms/step
>227, dr[0.132,0.731], df[0.006,0.065], g[0.003,0.099]
1/1 [=====] - 0s 73ms/step
>228, dr[0.010,1.195], df[0.022,0.068], g[0.002,0.139]
1/1 [=====] - 0s 75ms/step
>229, dr[0.038,1.672], df[0.006,0.414], g[0.018,0.059]
1/1 [=====] - 0s 72ms/step
>230, dr[0.004,0.612], df[0.001,0.124], g[0.006,0.270]
1/1 [=====] - 0s 75ms/step
>231, dr[0.005,1.438], df[0.001,0.244], g[0.031,0.114]
1/1 [=====] - 0s 76ms/step
>232, dr[0.005,1.667], df[0.010,0.240], g[0.012,0.023]
1/1 [=====] - 0s 75ms/step
>233, dr[0.003,0.440], df[0.009,0.141], g[0.009,0.038]
1/1 [=====] - 0s 75ms/step
>234, dr[0.020,0.869], df[0.009,0.026], g[0.007,0.147]
1/1 [=====] - 0s 73ms/step
>235, dr[0.007,0.759], df[0.099,0.046], g[0.093,0.009]
1/1 [=====] - 0s 75ms/step
>236, dr[0.004,1.263], df[0.006,0.197], g[0.006,0.059]
1/1 [=====] - 0s 73ms/step
>237, dr[0.047,1.449], df[0.003,0.015], g[0.004,0.102]
1/1 [=====] - 0s 76ms/step
>238, dr[0.023,1.255], df[0.037,0.067], g[0.002,0.124]
1/1 [=====] - 0s 75ms/step
>239, dr[0.057,1.232], df[0.021,0.121], g[0.001,0.199]
1/1 [=====] - 0s 75ms/step
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>240, dr[0.033,1.015], df[0.006,0.018], g[0.002,0.455]
1/1 [=====] - 0s 71ms/step
>241, dr[0.007,0.597], df[0.001,0.077], g[0.004,0.048]
1/1 [=====] - 0s 73ms/step
>242, dr[0.002,1.454], df[0.002,0.193], g[0.007,0.122]
1/1 [=====] - 0s 72ms/step
>243, dr[0.002,0.814], df[0.002,0.163], g[0.003,0.073]
1/1 [=====] - 0s 70ms/step
>244, dr[0.001,0.746], df[0.005,0.055], g[0.014,0.144]
1/1 [=====] - 0s 74ms/step
>245, dr[0.004,1.348], df[0.001,0.085], g[0.010,0.150]
1/1 [=====] - 0s 69ms/step
>246, dr[0.041,1.663], df[0.001,0.033], g[0.009,0.058]
1/1 [=====] - 0s 70ms/step
>247, dr[0.002,0.580], df[0.001,0.062], g[0.006,0.040]
1/1 [=====] - 0s 69ms/step
>248, dr[0.002,1.312], df[0.021,0.247], g[0.007,0.162]
1/1 [=====] - 0s 72ms/step
>249, dr[0.000,1.453], df[0.005,0.316], g[0.016,0.044]
1/1 [=====] - 0s 71ms/step
>250, dr[0.003,0.604], df[0.004,0.020], g[0.006,0.015]
1/1 [=====] - 0s 71ms/step
>251, dr[0.005,1.587], df[0.001,0.046], g[0.014,0.060]
1/1 [=====] - 0s 71ms/step
>252, dr[0.014,0.765], df[0.024,0.090], g[0.034,0.185]
1/1 [=====] - 0s 70ms/step
>253, dr[0.002,1.666], df[0.001,0.033], g[0.007,0.089]
1/1 [=====] - 0s 69ms/step
>254, dr[0.006,1.041], df[0.001,0.006], g[0.010,0.118]
1/1 [=====] - 0s 72ms/step
>255, dr[0.008,0.437], df[0.003,0.102], g[0.011,0.136]
1/1 [=====] - 0s 72ms/step
>256, dr[0.007,2.525], df[0.008,0.035], g[0.009,0.072]
1/1 [=====] - 0s 74ms/step
>257, dr[0.006,0.737], df[0.005,0.088], g[0.006,0.154]
1/1 [=====] - 0s 71ms/step
>258, dr[0.010,1.653], df[0.003,0.003], g[0.005,0.012]
1/1 [=====] - 0s 70ms/step
>259, dr[0.005,0.911], df[0.002,0.121], g[0.007,0.120]
1/1 [=====] - 0s 70ms/step
>260, dr[0.010,1.326], df[0.023,0.083], g[0.023,0.037]
1/1 [=====] - 0s 72ms/step
>261, dr[0.014,1.292], df[0.005,0.033], g[0.004,0.020]
1/1 [=====] - 0s 70ms/step
>262, dr[0.023,1.147], df[0.015,0.041], g[0.010,0.052]
1/1 [=====] - 0s 82ms/step
>263, dr[0.005,0.935], df[0.009,0.037], g[0.007,0.008]
1/1 [=====] - 0s 93ms/step
>264, dr[0.012,0.673], df[0.014,0.022], g[0.010,0.031]
1/1 [=====] - 0s 79ms/step
>265, dr[0.048,0.343], df[0.049,0.005], g[0.009,0.072]
1/1 [=====] - 0s 78ms/step
>266, dr[0.011,0.737], df[0.009,0.045], g[0.023,0.047]
1/1 [=====] - 0s 81ms/step
>267, dr[0.036,1.304], df[0.022,0.046], g[0.008,0.054]
1/1 [=====] - 0s 82ms/step
>268, dr[0.010,1.034], df[0.013,0.021], g[0.005,0.053]
1/1 [=====] - 0s 80ms/step
>269, dr[0.016,1.016], df[0.009,0.161], g[0.014,0.028]
1/1 [=====] - 0s 79ms/step
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>270, dr[0.013,0.453], df[0.017,0.039], g[0.006,0.139]
1/1 [=====] - 0s 80ms/step
>271, dr[0.073,0.702], df[0.005,0.192], g[0.002,0.070]
1/1 [=====] - 0s 79ms/step
>272, dr[0.009,1.425], df[0.028,0.079], g[0.017,0.109]
1/1 [=====] - 0s 88ms/step
>273, dr[0.007,2.280], df[0.007,0.009], g[0.020,0.006]
1/1 [=====] - 0s 78ms/step
>274, dr[0.020,0.715], df[0.031,0.032], g[0.014,0.063]
1/1 [=====] - 0s 84ms/step
>275, dr[0.021,0.704], df[0.014,0.004], g[0.003,0.062]
1/1 [=====] - 0s 81ms/step
>276, dr[0.033,0.330], df[0.023,0.009], g[0.005,0.025]
1/1 [=====] - 0s 89ms/step
>277, dr[0.003,0.555], df[0.028,0.027], g[0.026,0.023]
1/1 [=====] - 0s 84ms/step
>278, dr[0.237,0.464], df[0.406,0.020], g[2.532,0.064]
1/1 [=====] - 0s 80ms/step
>279, dr[2.159,1.015], df[27.567,1.125], g[2.183,0.377]
1/1 [=====] - 0s 85ms/step
>280, dr[2.733,0.959], df[3.269,1.222], g[22.323,0.543]
1/1 [=====] - 0s 82ms/step
>281, dr[11.177,1.068], df[0.004,0.316], g[3.344,0.494]
1/1 [=====] - 0s 78ms/step
>282, dr[0.147,1.555], df[5.274,0.808], g[21.804,0.545]
1/1 [=====] - 0s 82ms/step
>283, dr[5.610,0.324], df[0.000,0.602], g[11.260,0.388]
1/1 [=====] - 0s 76ms/step
>284, dr[1.576,0.920], df[8.075,0.725], g[23.334,0.348]
1/1 [=====] - 0s 87ms/step
>285, dr[4.439,1.646], df[0.000,0.614], g[15.059,0.802]
1/1 [=====] - 0s 72ms/step
>286, dr[0.336,1.042], df[9.175,0.750], g[25.264,0.447]
1/1 [=====] - 0s 72ms/step
>287, dr[6.753,2.061], df[0.000,0.575], g[6.439,0.870]
1/1 [=====] - 0s 74ms/step
>288, dr[0.041,1.273], df[2.749,0.171], g[7.631,0.844]
1/1 [=====] - 0s 75ms/step
>289, dr[1.559,1.675], df[0.210,1.041], g[2.996,0.750]
1/1 [=====] - 0s 72ms/step
>290, dr[0.588,1.873], df[1.440,1.073], g[15.613,0.741]
1/1 [=====] - 0s 70ms/step
>291, dr[2.583,1.554], df[0.073,1.051], g[3.468,0.498]
1/1 [=====] - 0s 72ms/step
>292, dr[0.072,1.516], df[4.215,1.418], g[35.270,2.167]
1/1 [=====] - 0s 71ms/step
>293, dr[9.882,2.591], df[0.000,1.412], g[5.182,0.591]
1/1 [=====] - 0s 71ms/step
>294, dr[0.114,1.053], df[1.151,1.309], g[1.451,1.263]
1/1 [=====] - 0s 84ms/step
>295, dr[0.148,1.532], df[0.000,4.302], g[1.520,1.552]
1/1 [=====] - 0s 71ms/step
>296, dr[1.516,1.930], df[0.001,6.051], g[0.001,3.280]
1/1 [=====] - 0s 70ms/step
>297, dr[0.178,1.489], df[0.818,4.950], g[0.838,3.600]
1/1 [=====] - 0s 73ms/step
>298, dr[0.802,1.999], df[0.000,6.131], g[0.854,2.469]
1/1 [=====] - 0s 70ms/step
>299, dr[0.266,2.082], df[0.006,3.882], g[0.080,1.042]
1/1 [=====] - 0s 71ms/step
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>300, dr[0.128,2.751], df[0.175,3.551], g[0.174,0.912]
1/1 [=====] - 0s 74ms/step
>301, dr[0.084,0.944], df[0.151,1.300], g[1.157,0.458]
1/1 [=====] - 0s 70ms/step
>302, dr[0.920,1.465], df[0.127,0.366], g[0.157,0.366]
1/1 [=====] - 0s 77ms/step
>303, dr[0.035,1.124], df[0.246,0.123], g[0.691,0.079]
1/1 [=====] - 0s 72ms/step
>304, dr[0.273,1.053], df[0.218,0.049], g[0.689,0.165]
1/1 [=====] - 0s 82ms/step
>305, dr[0.709,0.922], df[0.231,0.067], g[0.824,0.185]
1/1 [=====] - 0s 75ms/step
>306, dr[0.134,1.211], df[0.219,0.061], g[1.809,0.174]
1/1 [=====] - 0s 75ms/step
>307, dr[0.037,0.526], df[0.016,0.213], g[1.780,0.282]
1/1 [=====] - 0s 75ms/step
>308, dr[0.316,1.764], df[0.374,0.031], g[2.918,0.455]
1/1 [=====] - 0s 75ms/step
>309, dr[0.303,1.367], df[0.049,0.141], g[0.926,0.180]
1/1 [=====] - 0s 74ms/step
>310, dr[0.038,2.020], df[0.206,0.139], g[1.426,0.254]
1/1 [=====] - 0s 76ms/step
>311, dr[0.334,1.746], df[0.057,0.445], g[1.369,0.157]
1/1 [=====] - 0s 79ms/step
>312, dr[0.196,0.790], df[0.454,0.241], g[4.316,0.477]
1/1 [=====] - 0s 74ms/step
>313, dr[0.417,3.910], df[0.180,0.179], g[3.421,0.273]
1/1 [=====] - 0s 73ms/step
>314, dr[0.496,1.338], df[0.733,0.101], g[7.660,0.296]
1/1 [=====] - 0s 80ms/step
>315, dr[0.478,1.117], df[0.006,0.114], g[5.261,0.253]
1/1 [=====] - 0s 76ms/step
>316, dr[0.379,1.109], df[0.835,0.442], g[6.769,0.510]
1/1 [=====] - 0s 74ms/step
>317, dr[0.753,1.094], df[3.952,0.494], g[19.109,0.328]
1/1 [=====] - 0s 78ms/step
>318, dr[12.278,0.706], df[0.006,0.407], g[0.832,0.304]
1/1 [=====] - 0s 91ms/step
>319, dr[0.912,0.869], df[7.613,0.203], g[13.522,0.387]
1/1 [=====] - 0s 74ms/step
>320, dr[5.655,0.913], df[0.005,0.370], g[2.626,0.296]
1/1 [=====] - 0s 72ms/step
>321, dr[0.532,1.947], df[0.937,0.542], g[6.830,0.307]
1/1 [=====] - 0s 71ms/step
>322, dr[0.215,1.600], df[0.000,0.170], g[6.715,0.171]
1/1 [=====] - 0s 73ms/step
>323, dr[1.120,1.834], df[1.169,0.380], g[4.396,0.363]
1/1 [=====] - 0s 80ms/step
>324, dr[0.933,0.229], df[0.000,0.294], g[0.586,0.356]
1/1 [=====] - 0s 79ms/step
>325, dr[0.250,0.902], df[0.113,0.677], g[0.065,0.290]
1/1 [=====] - 0s 70ms/step
>326, dr[0.098,1.358], df[0.077,0.585], g[0.133,0.644]
1/1 [=====] - 0s 80ms/step
>327, dr[0.127,0.948], df[0.005,0.333], g[0.174,0.353]
1/1 [=====] - 0s 75ms/step
>328, dr[0.071,0.728], df[0.022,0.550], g[0.044,0.395]
1/1 [=====] - 0s 75ms/step
>329, dr[0.046,0.859], df[0.085,0.505], g[0.040,0.302]
1/1 [=====] - 0s 81ms/step
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>330, dr[0.006,0.623], df[0.026,0.649], g[0.163,0.144]
1/1 [=====] - 0s 75ms/step
>331, dr[0.067,0.572], df[0.012,0.510], g[0.090,0.248]
1/1 [=====] - 0s 78ms/step
>332, dr[0.145,1.037], df[0.325,0.562], g[0.872,0.372]
1/1 [=====] - 0s 84ms/step
>333, dr[0.274,0.842], df[0.009,1.010], g[0.821,0.031]
1/1 [=====] - 0s 79ms/step
>334, dr[0.331,0.797], df[0.163,0.277], g[0.144,0.051]
1/1 [=====] - 0s 80ms/step
>335, dr[0.248,1.268], df[0.275,0.253], g[0.478,0.062]
1/1 [=====] - 0s 77ms/step
>336, dr[0.629,3.512], df[0.373,0.080], g[0.555,0.068]
1/1 [=====] - 0s 78ms/step
>337, dr[0.537,1.507], df[0.165,0.057], g[0.311,0.167]
1/1 [=====] - 0s 75ms/step
>338, dr[0.188,0.862], df[0.731,0.174], g[3.465,0.204]
1/1 [=====] - 0s 76ms/step
>339, dr[2.177,0.669], df[2.146,0.282], g[7.216,0.045]
1/1 [=====] - 0s 81ms/step
>340, dr[3.167,1.847], df[1.293,0.287], g[3.172,0.091]
1/1 [=====] - 0s 76ms/step
>341, dr[0.126,1.659], df[0.442,0.375], g[6.282,0.069]
1/1 [=====] - 0s 83ms/step
>342, dr[0.826,1.515], df[1.059,0.424], g[7.469,0.099]
1/1 [=====] - 0s 79ms/step
>343, dr[2.852,0.542], df[4.663,0.060], g[9.246,0.454]
1/1 [=====] - 0s 78ms/step
>344, dr[2.700,0.976], df[0.318,0.515], g[3.228,0.569]
1/1 [=====] - 0s 80ms/step
>345, dr[0.420,2.310], df[4.381,0.223], g[10.744,0.337]
1/1 [=====] - 0s 80ms/step
>346, dr[5.669,1.553], df[1.673,0.249], g[3.381,0.967]
1/1 [=====] - 0s 77ms/step
>347, dr[1.881,0.866], df[2.026,0.226], g[7.402,0.160]
1/1 [=====] - 0s 81ms/step
>348, dr[3.914,1.558], df[0.813,0.521], g[4.338,0.290]
1/1 [=====] - 0s 76ms/step
>349, dr[0.870,0.912], df[1.356,0.067], g[5.673,0.113]
1/1 [=====] - 0s 75ms/step
>350, dr[1.400,1.902], df[0.165,0.095], g[3.404,0.155]
1/1 [=====] - 0s 74ms/step
>351, dr[0.513,1.098], df[1.687,0.168], g[5.421,0.308]
1/1 [=====] - 0s 75ms/step
>352, dr[1.729,0.733], df[0.393,0.026], g[3.088,0.032]
1/1 [=====] - 0s 75ms/step
>353, dr[1.278,0.816], df[2.267,0.050], g[5.772,0.064]
1/1 [=====] - 0s 84ms/step
>354, dr[2.457,0.720], df[1.667,0.066], g[3.488,0.079]
1/1 [=====] - 0s 76ms/step
>355, dr[1.113,0.713], df[1.718,0.129], g[4.875,0.274]
1/1 [=====] - 0s 75ms/step
>356, dr[2.836,1.456], df[2.441,0.143], g[3.273,0.145]
1/1 [=====] - 0s 77ms/step
>357, dr[0.761,0.738], df[0.792,0.047], g[1.286,0.071]
1/1 [=====] - 0s 78ms/step
>358, dr[1.241,0.793], df[0.510,0.024], g[0.450,0.104]
1/1 [=====] - 0s 71ms/step
>359, dr[0.133,1.327], df[0.183,0.211], g[0.431,0.259]
1/1 [=====] - 0s 70ms/step
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>360, dr[0.669,0.832], df[0.112,0.153], g[0.269,0.196]
1/1 [=====] - 0s 72ms/step
>361, dr[0.080,1.146], df[0.278,0.294], g[0.270,0.180]
1/1 [=====] - 0s 72ms/step
>362, dr[0.030,0.908], df[0.070,0.100], g[0.274,0.962]
1/1 [=====] - 0s 74ms/step
>363, dr[0.417,2.600], df[0.007,0.031], g[0.074,0.070]
1/1 [=====] - 0s 71ms/step
>364, dr[0.024,0.631], df[0.070,0.118], g[0.096,0.057]
1/1 [=====] - 0s 74ms/step
>365, dr[0.130,1.093], df[0.019,0.212], g[0.005,0.180]
1/1 [=====] - 0s 70ms/step
>366, dr[0.013,2.085], df[0.003,0.067], g[0.028,0.101]
1/1 [=====] - 0s 69ms/step
>367, dr[0.021,0.941], df[0.002,0.095], g[0.008,0.017]
1/1 [=====] - 0s 72ms/step
>368, dr[0.006,1.346], df[0.023,0.105], g[0.025,0.077]
1/1 [=====] - 0s 70ms/step
>369, dr[0.058,1.153], df[0.079,0.134], g[0.024,0.016]
1/1 [=====] - 0s 70ms/step
>370, dr[0.022,1.352], df[0.018,0.039], g[0.055,0.021]
1/1 [=====] - 0s 75ms/step
>371, dr[0.058,0.928], df[0.007,0.019], g[0.032,0.092]
1/1 [=====] - 0s 71ms/step
>372, dr[0.005,1.189], df[0.033,0.030], g[0.015,0.052]
1/1 [=====] - 0s 71ms/step
>373, dr[0.003,0.789], df[0.168,0.029], g[0.083,0.084]
1/1 [=====] - 0s 71ms/step
>374, dr[0.270,1.812], df[0.031,0.240], g[0.007,0.360]
1/1 [=====] - 0s 70ms/step
>375, dr[0.025,1.583], df[0.084,0.078], g[0.012,0.493]
1/1 [=====] - 0s 75ms/step
>376, dr[0.024,1.788], df[0.002,0.035], g[0.020,0.068]
1/1 [=====] - 0s 72ms/step
>377, dr[0.016,1.034], df[0.000,0.338], g[0.016,0.107]
1/1 [=====] - 0s 71ms/step
>378, dr[0.094,1.584], df[0.033,0.034], g[0.031,0.022]
1/1 [=====] - 0s 71ms/step
>379, dr[0.011,1.003], df[0.001,0.164], g[0.008,0.027]
1/1 [=====] - 0s 71ms/step
>380, dr[0.021,0.410], df[0.012,0.038], g[0.007,0.041]
1/1 [=====] - 0s 70ms/step
>381, dr[0.114,1.495], df[0.118,0.123], g[0.011,0.023]
1/1 [=====] - 0s 72ms/step
>382, dr[0.003,1.693], df[0.003,0.024], g[0.166,0.126]
1/1 [=====] - 0s 73ms/step
>383, dr[0.029,0.978], df[0.000,0.017], g[0.030,0.159]
1/1 [=====] - 0s 69ms/step
>384, dr[0.031,1.607], df[0.012,0.027], g[0.004,0.328]
1/1 [=====] - 0s 71ms/step
>385, dr[0.001,1.340], df[0.065,0.025], g[0.004,0.055]
1/1 [=====] - 0s 88ms/step
>386, dr[0.105,0.811], df[0.007,0.014], g[0.011,0.038]
1/1 [=====] - 0s 74ms/step
>387, dr[0.002,1.073], df[0.000,0.016], g[0.010,0.046]
1/1 [=====] - 0s 73ms/step
>388, dr[0.009,1.104], df[0.001,0.024], g[0.011,0.062]
1/1 [=====] - 0s 74ms/step
>389, dr[0.001,1.541], df[0.001,0.040], g[0.008,0.158]
1/1 [=====] - 0s 75ms/step
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>390, dr[0.011,1.100], df[0.001,0.006], g[0.019,0.050]
1/1 [=====] - 0s 83ms/step
>391, dr[0.003,1.073], df[0.005,0.134], g[0.008,0.069]
1/1 [=====] - 0s 78ms/step
>392, dr[0.001,1.484], df[0.011,0.113], g[0.022,0.044]
1/1 [=====] - 0s 78ms/step
>393, dr[0.009,0.751], df[0.006,0.034], g[0.044,0.047]
1/1 [=====] - 0s 80ms/step
>394, dr[0.021,1.062], df[0.003,0.018], g[0.040,0.063]
1/1 [=====] - 0s 75ms/step
>395, dr[0.018,1.236], df[0.033,0.075], g[0.022,0.038]
1/1 [=====] - 0s 75ms/step
>396, dr[0.000,0.570], df[0.003,0.078], g[0.036,0.063]
1/1 [=====] - 0s 72ms/step
>397, dr[0.164,1.116], df[0.030,0.048], g[0.010,0.071]
1/1 [=====] - 0s 75ms/step
>398, dr[0.001,0.903], df[0.000,0.032], g[0.007,0.119]
1/1 [=====] - 0s 74ms/step
>399, dr[0.014,0.714], df[0.013,0.017], g[0.015,0.067]
1/1 [=====] - 0s 73ms/step
>400, dr[0.002,0.312], df[0.113,0.170], g[0.018,0.041]
1/1 [=====] - 0s 107ms/step
>401, dr[0.005,0.801], df[0.004,0.016], g[0.038,0.039]
1/1 [=====] - 0s 75ms/step
>402, dr[0.012,1.780], df[0.013,0.034], g[0.151,0.057]
1/1 [=====] - 0s 73ms/step
>403, dr[0.011,1.260], df[0.000,0.006], g[0.043,0.036]
1/1 [=====] - 0s 71ms/step
>404, dr[0.069,0.832], df[0.078,0.009], g[0.046,0.022]
1/1 [=====] - 0s 70ms/step
>405, dr[0.038,0.749], df[0.124,0.002], g[0.041,0.097]
1/1 [=====] - 0s 73ms/step
>406, dr[0.082,1.213], df[0.003,0.008], g[0.156,0.050]
1/1 [=====] - 0s 73ms/step
>407, dr[0.003,0.774], df[0.017,0.027], g[0.140,0.044]
1/1 [=====] - 0s 72ms/step
>408, dr[0.026,0.454], df[0.013,0.011], g[0.060,0.018]
1/1 [=====] - 0s 71ms/step
>409, dr[0.076,0.667], df[0.015,0.007], g[0.026,0.016]
1/1 [=====] - 0s 72ms/step
>410, dr[0.019,1.524], df[0.725,0.024], g[0.706,0.176]
1/1 [=====] - 0s 70ms/step
>411, dr[1.039,0.833], df[0.772,0.013], g[0.222,0.064]
1/1 [=====] - 0s 72ms/step
>412, dr[0.067,0.958], df[1.064,0.068], g[2.975,0.134]
1/1 [=====] - 0s 70ms/step
>413, dr[4.822,0.826], df[9.073,0.064], g[1.026,0.280]
1/1 [=====] - 0s 73ms/step
>414, dr[0.184,1.119], df[0.973,0.662], g[7.050,0.327]
1/1 [=====] - 0s 73ms/step
>415, dr[4.080,1.336], df[3.162,0.080], g[4.925,0.294]
1/1 [=====] - 0s 96ms/step
>416, dr[1.516,1.974], df[1.530,0.128], g[6.398,0.061]
1/1 [=====] - 0s 91ms/step
>417, dr[2.163,1.556], df[1.240,0.027], g[6.606,0.073]
1/1 [=====] - 0s 73ms/step
>418, dr[2.076,1.181], df[1.139,0.081], g[4.979,0.074]
1/1 [=====] - 0s 73ms/step
>419, dr[2.560,1.218], df[2.486,0.119], g[5.798,0.073]
1/1 [=====] - 0s 74ms/step
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>420, dr[2.195,1.389], df[0.857,0.230], g[4.046,0.111]
1/1 [=====] - 0s 76ms/step
>421, dr[1.386,1.141], df[1.210,0.524], g[3.067,0.166]
1/1 [=====] - 0s 72ms/step
>422, dr[1.318,0.851], df[1.400,0.055], g[5.876,0.018]
1/1 [=====] - 0s 127ms/step
>423, dr[3.713,1.705], df[3.991,0.002], g[3.267,0.022]
1/1 [=====] - 0s 96ms/step
>424, dr[1.399,0.137], df[1.030,0.032], g[5.660,0.025]
1/1 [=====] - 0s 75ms/step
>425, dr[1.727,0.623], df[1.604,0.054], g[3.414,0.073]
1/1 [=====] - 0s 80ms/step
>426, dr[0.656,0.481], df[1.544,0.093], g[5.186,0.100]
1/1 [=====] - 0s 75ms/step
>427, dr[2.388,1.064], df[1.954,0.172], g[3.538,0.170]
1/1 [=====] - 0s 75ms/step
>428, dr[0.632,1.737], df[0.689,0.017], g[4.479,0.185]
1/1 [=====] - 0s 71ms/step
>429, dr[1.174,0.642], df[0.781,0.261], g[4.304,0.122]
1/1 [=====] - 0s 74ms/step
>430, dr[1.023,1.337], df[0.983,0.393], g[4.685,0.065]
1/1 [=====] - 0s 82ms/step
>431, dr[1.242,1.744], df[1.626,0.035], g[5.228,0.211]
1/1 [=====] - 0s 84ms/step
>432, dr[1.558,1.350], df[0.724,0.143], g[2.973,0.110]
1/1 [=====] - 0s 73ms/step
>433, dr[0.274,0.511], df[0.785,0.008], g[4.468,0.041]
1/1 [=====] - 0s 76ms/step
>434, dr[1.160,0.631], df[0.551,0.058], g[3.577,0.023]
1/1 [=====] - 0s 71ms/step
>435, dr[0.379,1.472], df[0.746,0.012], g[5.011,0.121]
1/1 [=====] - 0s 76ms/step
>436, dr[0.379,0.997], df[0.506,0.026], g[5.455,0.092]
1/1 [=====] - 0s 71ms/step
>437, dr[0.518,0.841], df[0.202,0.106], g[3.326,0.114]
1/1 [=====] - 0s 76ms/step
>438, dr[0.655,0.509], df[0.791,0.050], g[3.883,0.031]
1/1 [=====] - 0s 87ms/step
>439, dr[2.584,1.423], df[3.213,0.125], g[4.165,0.295]
1/1 [=====] - 0s 75ms/step
>440, dr[0.784,0.607], df[0.444,0.274], g[5.094,0.105]
1/1 [=====] - 0s 80ms/step
>441, dr[1.123,0.758], df[0.928,0.013], g[3.263,0.049]
1/1 [=====] - 0s 76ms/step
>442, dr[0.633,1.207], df[0.580,0.075], g[3.254,0.036]
1/1 [=====] - 0s 76ms/step
>443, dr[0.711,1.345], df[1.322,0.118], g[5.002,0.032]
1/1 [=====] - 0s 73ms/step
>444, dr[0.532,0.948], df[0.430,0.073], g[4.416,0.132]
1/1 [=====] - 0s 74ms/step
>445, dr[0.786,0.923], df[1.801,0.369], g[8.972,0.155]
1/1 [=====] - 0s 72ms/step
>446, dr[3.074,1.298], df[0.998,0.133], g[6.314,0.223]
1/1 [=====] - 0s 77ms/step
>447, dr[0.329,0.306], df[0.811,0.153], g[4.769,0.102]
1/1 [=====] - 0s 77ms/step
>448, dr[0.503,0.836], df[0.966,0.131], g[8.233,0.306]
1/1 [=====] - 0s 79ms/step
>449, dr[2.168,1.257], df[0.921,0.208], g[2.022,0.105]
1/1 [=====] - 0s 81ms/step
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>450, dr[0.190,1.506], df[0.378,0.605], g[3.310,0.301]
1/1 [=====] - 0s 84ms/step
>451, dr[0.889,1.658], df[0.718,0.430], g[3.902,0.140]
1/1 [=====] - 0s 74ms/step
>452, dr[0.675,2.737], df[0.360,0.167], g[3.787,0.421]
1/1 [=====] - 0s 76ms/step
>453, dr[0.338,1.628], df[0.095,0.155], g[2.749,0.150]
1/1 [=====] - 0s 75ms/step
>454, dr[0.462,0.857], df[1.607,0.062], g[5.474,0.066]
1/1 [=====] - 0s 77ms/step
>455, dr[2.629,1.015], df[0.799,0.039], g[2.284,0.164]
1/1 [=====] - 0s 79ms/step
>456, dr[0.338,0.822], df[1.127,0.064], g[5.258,0.174]
1/1 [=====] - 0s 81ms/step
>457, dr[2.429,0.620], df[1.080,0.045], g[3.374,0.309]
1/1 [=====] - 0s 75ms/step
>458, dr[0.914,1.045], df[1.023,0.161], g[5.639,0.313]
1/1 [=====] - 0s 76ms/step
>459, dr[1.523,1.304], df[0.572,0.231], g[2.704,0.243]
1/1 [=====] - 0s 70ms/step
>460, dr[0.157,0.811], df[0.234,0.087], g[4.032,0.079]
1/1 [=====] - 0s 77ms/step
>461, dr[1.066,0.978], df[0.723,0.432], g[1.958,0.213]
1/1 [=====] - 0s 74ms/step
>462, dr[0.338,1.052], df[0.569,0.200], g[4.405,0.283]
1/1 [=====] - 0s 75ms/step
>463, dr[0.899,1.862], df[0.538,0.093], g[2.183,0.210]
1/1 [=====] - 0s 75ms/step
>464, dr[0.497,1.396], df[0.698,0.108], g[2.556,0.350]
1/1 [=====] - 0s 76ms/step
>465, dr[0.247,0.697], df[0.288,0.252], g[3.711,0.222]
1/1 [=====] - 0s 77ms/step
>466, dr[1.125,1.477], df[1.392,0.438], g[4.332,0.296]
1/1 [=====] - 0s 72ms/step
>467, dr[0.809,1.184], df[0.656,0.200], g[4.217,0.210]
1/1 [=====] - 0s 79ms/step
>468, dr[0.900,0.932], df[0.661,0.264], g[2.329,0.402]
1/1 [=====] - 0s 74ms/step
>469, dr[0.553,1.637], df[2.497,0.336], g[6.517,0.199]
1/1 [=====] - 0s 72ms/step
>470, dr[1.741,1.026], df[0.736,0.263], g[3.764,0.280]
1/1 [=====] - 0s 73ms/step
>471, dr[0.787,1.328], df[0.179,0.277], g[1.845,0.181]
1/1 [=====] - 0s 71ms/step
>472, dr[0.065,1.447], df[0.481,0.230], g[2.552,0.431]
1/1 [=====] - 0s 71ms/step
>473, dr[0.104,1.481], df[0.559,0.163], g[4.898,0.232]
1/1 [=====] - 0s 73ms/step
>474, dr[0.871,0.935], df[1.379,0.354], g[3.855,0.119]
1/1 [=====] - 0s 70ms/step
>475, dr[0.654,1.201], df[0.476,0.088], g[2.607,0.383]
1/1 [=====] - 0s 74ms/step
>476, dr[0.968,1.044], df[2.585,0.858], g[8.521,0.292]
1/1 [=====] - 0s 74ms/step
>477, dr[3.044,1.859], df[0.985,0.053], g[3.776,0.223]
1/1 [=====] - 0s 76ms/step
>478, dr[0.310,0.695], df[0.609,0.038], g[5.693,0.212]
1/1 [=====] - 0s 76ms/step
>479, dr[1.462,1.325], df[1.774,0.197], g[7.746,0.374]
1/1 [=====] - 0s 75ms/step
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>480, dr[1.585,0.923], df[0.104,0.086], g[1.928,0.309]
1/1 [=====] - 0s 76ms/step
>481, dr[0.116,1.913], df[1.497,0.140], g[5.681,0.158]
1/1 [=====] - 0s 81ms/step
>482, dr[1.194,1.138], df[0.685,0.393], g[4.107,0.131]
1/1 [=====] - 0s 75ms/step
>483, dr[0.556,1.841], df[0.119,0.442], g[2.327,0.165]
1/1 [=====] - 0s 80ms/step
>484, dr[0.382,1.426], df[0.894,0.030], g[4.088,0.242]
1/1 [=====] - 0s 72ms/step
>485, dr[0.467,1.677], df[0.088,0.088], g[3.101,0.259]
1/1 [=====] - 0s 73ms/step
>486, dr[1.044,0.661], df[3.049,0.379], g[5.702,0.407]
1/1 [=====] - 0s 71ms/step
>487, dr[3.164,0.735], df[1.323,0.114], g[3.715,0.241]
1/1 [=====] - 0s 71ms/step
>488, dr[1.274,0.953], df[1.696,0.411], g[2.888,0.275]
1/1 [=====] - 0s 73ms/step
>489, dr[0.954,0.890], df[1.699,0.462], g[5.637,0.168]
1/1 [=====] - 0s 71ms/step
>490, dr[1.518,0.682], df[0.812,0.125], g[2.832,0.227]
1/1 [=====] - 0s 70ms/step
>491, dr[0.280,0.999], df[0.263,0.224], g[3.288,0.075]
1/1 [=====] - 0s 75ms/step
>492, dr[0.347,0.433], df[1.193,0.165], g[6.572,0.205]
1/1 [=====] - 0s 74ms/step
>493, dr[2.624,1.121], df[0.988,0.355], g[3.201,0.180]
1/1 [=====] - 0s 73ms/step
>494, dr[0.631,0.513], df[1.438,0.255], g[5.231,0.115]
1/1 [=====] - 0s 72ms/step
>495, dr[0.875,1.474], df[0.284,0.111], g[4.191,0.130]
1/1 [=====] - 0s 70ms/step
>496, dr[0.973,1.353], df[1.603,0.415], g[4.172,0.213]
1/1 [=====] - 0s 72ms/step
>497, dr[0.524,0.714], df[0.084,0.177], g[3.689,0.052]
1/1 [=====] - 0s 74ms/step
>498, dr[0.490,1.422], df[1.149,0.360], g[4.450,0.278]
1/1 [=====] - 0s 74ms/step
>499, dr[0.338,1.377], df[0.309,0.426], g[4.650,0.158]
1/1 [=====] - 0s 73ms/step
>500, dr[0.575,0.878], df[0.819,0.061], g[3.632,0.127]
1/1 [=====] - 0s 70ms/step
>501, dr[0.903,1.102], df[0.945,0.196], g[3.811,0.037]
1/1 [=====] - 0s 92ms/step
>502, dr[0.762,1.192], df[0.735,0.300], g[2.975,0.123]
1/1 [=====] - 0s 74ms/step
>503, dr[0.640,1.158], df[0.477,0.405], g[1.971,0.271]
1/1 [=====] - 0s 73ms/step
>504, dr[0.190,1.027], df[0.822,0.072], g[4.972,0.180]
1/1 [=====] - 0s 75ms/step
>505, dr[0.919,1.584], df[0.607,0.278], g[3.709,0.448]
1/1 [=====] - 0s 77ms/step
>506, dr[0.713,0.678], df[1.523,0.247], g[4.712,0.358]
1/1 [=====] - 0s 80ms/step
>507, dr[1.463,1.063], df[0.778,0.719], g[1.357,0.241]
1/1 [=====] - 0s 90ms/step
>508, dr[0.112,1.005], df[0.713,0.196], g[4.752,0.213]
1/1 [=====] - 0s 88ms/step
>509, dr[1.735,2.425], df[1.607,0.355], g[7.211,0.327]
1/1 [=====] - 0s 75ms/step
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>510, dr[1.782,1.258], df[0.594,0.797], g[3.376,0.484]
1/1 [=====] - 0s 77ms/step
>511, dr[0.293,0.620], df[0.616,0.252], g[3.935,0.295]
1/1 [=====] - 0s 80ms/step
>512, dr[0.403,1.197], df[0.478,0.051], g[5.031,0.140]
1/1 [=====] - 0s 76ms/step
>513, dr[1.267,1.891], df[1.926,0.633], g[4.951,0.219]
1/1 [=====] - 0s 77ms/step
>514, dr[0.941,1.354], df[0.447,0.367], g[2.970,0.390]
1/1 [=====] - 0s 76ms/step
>515, dr[0.770,0.846], df[0.785,0.313], g[4.108,0.361]
1/1 [=====] - 0s 73ms/step
>516, dr[0.543,2.833], df[0.543,0.510], g[5.442,0.438]
1/1 [=====] - 0s 101ms/step
>517, dr[0.917,1.853], df[0.343,0.184], g[3.555,0.292]
1/1 [=====] - 0s 73ms/step
>518, dr[0.543,1.327], df[0.948,0.128], g[4.693,0.352]
1/1 [=====] - 0s 72ms/step
>519, dr[0.967,0.773], df[0.537,0.128], g[4.676,0.433]
1/1 [=====] - 0s 71ms/step
>520, dr[0.695,1.412], df[0.861,0.349], g[4.150,0.325]
1/1 [=====] - 0s 72ms/step
>521, dr[0.939,0.516], df[0.700,0.044], g[3.540,0.123]
1/1 [=====] - 0s 71ms/step
>522, dr[0.372,0.487], df[0.512,0.062], g[5.277,0.165]
1/1 [=====] - 0s 71ms/step
>523, dr[0.917,1.504], df[0.435,0.154], g[2.065,0.135]
1/1 [=====] - 0s 73ms/step
>524, dr[0.085,0.763], df[0.750,0.137], g[6.518,0.095]
1/1 [=====] - 0s 72ms/step
>525, dr[1.747,1.364], df[0.558,0.047], g[2.127,0.224]
1/1 [=====] - 0s 72ms/step
>526, dr[0.103,1.355], df[0.496,0.258], g[3.840,0.265]
1/1 [=====] - 0s 78ms/step
>527, dr[0.174,0.620], df[0.227,0.113], g[3.963,0.410]
1/1 [=====] - 0s 78ms/step
>528, dr[1.202,1.357], df[1.791,0.108], g[2.956,0.142]
1/1 [=====] - 0s 78ms/step
>529, dr[0.505,1.991], df[0.326,0.053], g[4.478,0.143]
1/1 [=====] - 0s 72ms/step
>530, dr[0.255,1.033], df[0.319,0.311], g[4.601,0.081]
1/1 [=====] - 0s 74ms/step
>531, dr[0.497,1.033], df[0.388,0.083], g[3.948,0.107]
1/1 [=====] - 0s 77ms/step
>532, dr[0.473,2.465], df[0.480,0.270], g[3.213,0.374]
1/1 [=====] - 0s 72ms/step
>533, dr[1.239,1.270], df[2.306,0.137], g[6.108,0.565]
1/1 [=====] - 0s 72ms/step
>534, dr[1.378,1.585], df[0.310,0.115], g[4.167,0.064]
1/1 [=====] - 0s 82ms/step
>535, dr[0.606,0.716], df[0.658,0.107], g[4.341,0.329]
1/1 [=====] - 0s 79ms/step
>536, dr[0.808,0.861], df[0.750,0.092], g[4.546,0.081]
1/1 [=====] - 0s 73ms/step
>537, dr[0.872,1.539], df[1.185,0.046], g[6.798,0.182]
1/1 [=====] - 0s 70ms/step
>538, dr[1.687,0.949], df[0.508,0.305], g[3.472,0.272]
1/1 [=====] - 0s 70ms/step
>539, dr[0.205,0.711], df[0.512,0.230], g[4.844,0.103]
1/1 [=====] - 0s 75ms/step
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>540, dr[0.529,1.632], df[0.344,0.164], g[3.848,0.452]
1/1 [=====] - 0s 76ms/step
>541, dr[0.257,1.085], df[0.631,0.360], g[5.184,0.104]
1/1 [=====] - 0s 71ms/step
>542, dr[1.229,1.649], df[1.516,0.152], g[4.365,0.157]
1/1 [=====] - 0s 75ms/step
>543, dr[0.200,2.047], df[0.154,0.303], g[6.866,0.225]
1/1 [=====] - 0s 75ms/step
>544, dr[1.074,1.455], df[0.248,0.696], g[2.166,0.633]
1/1 [=====] - 0s 74ms/step
>545, dr[0.099,1.453], df[1.231,0.097], g[6.102,0.259]
1/1 [=====] - 0s 73ms/step
>546, dr[0.859,2.348], df[0.197,0.041], g[2.717,0.297]
1/1 [=====] - 0s 70ms/step
>547, dr[0.086,1.112], df[0.474,0.031], g[4.875,0.113]
1/1 [=====] - 0s 73ms/step
>548, dr[0.653,0.868], df[0.668,0.201], g[4.243,0.180]
1/1 [=====] - 0s 73ms/step
>549, dr[0.357,1.638], df[0.249,0.051], g[4.929,0.239]
1/1 [=====] - 0s 72ms/step
>550, dr[0.357,1.871], df[0.162,0.153], g[2.642,0.199]
1/1 [=====] - 0s 73ms/step
>551, dr[0.028,0.823], df[0.662,0.273], g[5.416,0.325]
1/1 [=====] - 0s 72ms/step
>552, dr[0.570,1.057], df[0.155,0.064], g[2.598,0.516]
1/1 [=====] - 0s 73ms/step
>553, dr[0.418,1.638], df[0.582,0.074], g[4.236,0.163]
1/1 [=====] - 0s 69ms/step
>554, dr[0.174,1.410], df[0.081,0.198], g[4.711,0.075]
1/1 [=====] - 0s 73ms/step
>555, dr[0.638,1.367], df[0.938,0.136], g[4.511,0.205]
1/1 [=====] - 0s 73ms/step
>556, dr[0.376,1.355], df[0.240,0.339], g[5.184,0.369]
1/1 [=====] - 0s 75ms/step
>557, dr[0.276,0.796], df[0.392,0.055], g[4.663,0.055]
1/1 [=====] - 0s 76ms/step
>558, dr[0.458,0.781], df[0.838,0.039], g[5.484,0.330]
1/1 [=====] - 0s 73ms/step
>559, dr[0.451,1.160], df[0.285,0.355], g[4.290,0.091]
1/1 [=====] - 0s 81ms/step
>560, dr[0.512,1.186], df[0.567,0.229], g[4.600,0.327]
1/1 [=====] - 0s 75ms/step
>561, dr[0.492,0.725], df[0.186,0.111], g[2.897,0.057]
1/1 [=====] - 0s 76ms/step
>562, dr[0.340,0.740], df[0.365,0.257], g[3.038,0.201]
1/1 [=====] - 0s 77ms/step
>563, dr[0.192,1.161], df[0.207,0.126], g[4.314,0.326]
1/1 [=====] - 0s 152ms/step
>564, dr[0.202,1.106], df[0.073,0.251], g[3.431,0.107]
1/1 [=====] - 0s 88ms/step
>565, dr[0.287,0.971], df[0.859,0.014], g[6.749,0.051]
1/1 [=====] - 0s 83ms/step
>566, dr[0.293,0.848], df[0.014,0.083], g[6.038,0.272]
1/1 [=====] - 0s 81ms/step
>567, dr[0.497,1.660], df[1.113,0.286], g[6.963,0.164]
1/1 [=====] - 0s 79ms/step
>568, dr[0.469,0.873], df[0.088,0.103], g[4.705,0.160]
1/1 [=====] - 0s 84ms/step
>569, dr[0.327,1.269], df[0.560,0.245], g[3.897,0.023]
1/1 [=====] - 0s 83ms/step
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>570, dr[0.602,1.895], df[0.758,0.036], g[3.746,0.307]
1/1 [=====] - 0s 81ms/step
>571, dr[0.287,1.872], df[0.162,0.220], g[4.933,0.280]
1/1 [=====] - 0s 81ms/step
>572, dr[0.115,2.069], df[0.282,0.089], g[5.722,0.174]
1/1 [=====] - 0s 87ms/step
>573, dr[0.444,1.219], df[0.068,0.048], g[3.585,0.189]
1/1 [=====] - 0s 115ms/step
>574, dr[0.103,0.875], df[0.534,0.108], g[5.720,0.101]
1/1 [=====] - 0s 111ms/step
>575, dr[0.211,1.464], df[0.022,0.154], g[5.349,0.137]
1/1 [=====] - 0s 106ms/step
>576, dr[0.625,1.081], df[0.898,0.325], g[4.304,0.219]
1/1 [=====] - 0s 91ms/step
>577, dr[0.205,0.772], df[0.045,0.035], g[4.933,0.283]
1/1 [=====] - 0s 98ms/step
>578, dr[0.427,1.301], df[0.326,0.167], g[3.795,0.101]
1/1 [=====] - 0s 81ms/step
>579, dr[0.132,0.671], df[0.279,0.116], g[4.839,0.166]
1/1 [=====] - 0s 114ms/step
>580, dr[0.297,0.751], df[0.171,0.186], g[4.681,0.170]
1/1 [=====] - 0s 95ms/step
>581, dr[0.188,1.281], df[0.287,0.108], g[4.439,0.156]
1/1 [=====] - 0s 84ms/step
>582, dr[0.392,0.914], df[1.000,0.134], g[9.220,0.209]
1/1 [=====] - 0s 98ms/step
>583, dr[1.549,0.941], df[0.106,0.158], g[3.197,0.223]
1/1 [=====] - 0s 116ms/step
>584, dr[0.055,1.882], df[0.830,0.117], g[7.150,0.090]
1/1 [=====] - 0s 89ms/step
>585, dr[0.774,2.584], df[0.024,0.011], g[3.801,0.094]
1/1 [=====] - 0s 84ms/step
>586, dr[0.199,1.555], df[0.885,0.120], g[5.260,0.060]
1/1 [=====] - 0s 81ms/step
>587, dr[0.344,0.713], df[0.044,0.124], g[3.564,0.094]
1/1 [=====] - 0s 85ms/step
>588, dr[0.201,0.964], df[0.543,0.124], g[3.940,0.060]
1/1 [=====] - 0s 84ms/step
>589, dr[0.120,2.480], df[0.240,0.115], g[4.706,0.297]
1/1 [=====] - 0s 83ms/step
>590, dr[0.292,1.514], df[0.465,0.137], g[4.585,0.199]
1/1 [=====] - 0s 80ms/step
>591, dr[0.488,0.784], df[0.233,0.450], g[3.285,0.008]
1/1 [=====] - 0s 81ms/step
>592, dr[0.044,1.528], df[0.272,0.157], g[5.683,0.154]
1/1 [=====] - 0s 79ms/step
>593, dr[0.465,0.728], df[0.034,0.097], g[2.654,0.032]
1/1 [=====] - 0s 81ms/step
>594, dr[0.080,1.427], df[0.428,0.056], g[4.733,0.125]
1/1 [=====] - 0s 82ms/step
>595, dr[0.060,1.668], df[0.080,0.190], g[6.780,0.141]
1/1 [=====] - 0s 92ms/step
>596, dr[1.171,2.987], df[0.986,0.131], g[3.478,0.451]
1/1 [=====] - 0s 78ms/step
>597, dr[0.165,1.917], df[0.182,0.042], g[5.460,0.476]
1/1 [=====] - 0s 82ms/step
>598, dr[0.522,0.958], df[0.084,0.107], g[2.113,0.142]
1/1 [=====] - 0s 77ms/step
>599, dr[0.048,0.780], df[0.679,0.062], g[5.943,0.124]
1/1 [=====] - 0s 82ms/step
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>600, dr[0.530,1.763], df[0.064,0.197], g[3.695,0.159]
1/1 [=====] - 0s 79ms/step
>601, dr[0.304,1.803], df[0.745,0.106], g[4.448,0.113]
1/1 [=====] - 0s 77ms/step
>602, dr[0.119,1.450], df[0.029,0.084], g[5.414,0.206]
1/1 [=====] - 0s 77ms/step
>603, dr[1.213,0.659], df[1.869,0.046], g[5.179,0.123]
1/1 [=====] - 0s 77ms/step
>604, dr[0.013,1.049], df[0.004,0.183], g[9.580,0.361]
1/1 [=====] - 0s 82ms/step
>605, dr[1.885,1.237], df[0.641,0.084], g[2.253,0.252]
1/1 [=====] - 0s 79ms/step
>606, dr[0.007,0.427], df[0.683,0.062], g[5.793,0.055]
1/1 [=====] - 0s 78ms/step
>607, dr[0.420,0.711], df[0.015,0.016], g[5.169,0.190]
1/1 [=====] - 0s 87ms/step
>608, dr[0.331,0.990], df[0.376,0.017], g[3.978,0.277]
1/1 [=====] - 0s 82ms/step
>609, dr[0.136,1.699], df[0.266,0.087], g[4.686,0.250]
1/1 [=====] - 0s 87ms/step
>610, dr[0.153,0.785], df[0.118,0.011], g[4.639,0.137]
1/1 [=====] - 0s 93ms/step
>611, dr[0.395,1.391], df[0.545,0.214], g[5.736,0.520]
1/1 [=====] - 0s 86ms/step
>612, dr[0.787,1.774], df[0.352,0.043], g[6.113,0.700]
1/1 [=====] - 0s 84ms/step
>613, dr[0.234,0.707], df[0.239,0.966], g[7.224,0.359]
1/1 [=====] - 0s 93ms/step
>614, dr[0.643,0.751], df[0.279,0.522], g[4.955,0.180]
1/1 [=====] - 0s 91ms/step
>615, dr[0.369,2.270], df[0.179,0.509], g[5.367,0.444]
1/1 [=====] - 0s 90ms/step
>616, dr[0.048,0.351], df[0.123,1.020], g[5.986,0.167]
1/1 [=====] - 0s 85ms/step
>617, dr[0.215,1.108], df[0.344,0.430], g[7.613,0.283]
1/1 [=====] - 0s 88ms/step
>618, dr[0.399,1.578], df[0.087,0.487], g[5.380,0.091]
1/1 [=====] - 0s 80ms/step
>619, dr[0.177,0.679], df[0.084,0.384], g[4.020,0.055]
1/1 [=====] - 0s 116ms/step
>620, dr[0.032,1.762], df[0.283,0.320], g[7.023,0.103]
1/1 [=====] - 0s 112ms/step
>621, dr[0.628,0.553], df[0.440,0.095], g[3.283,0.114]
1/1 [=====] - 0s 182ms/step
>622, dr[0.049,1.202], df[0.332,0.440], g[6.792,0.324]
1/1 [=====] - 0s 239ms/step
>623, dr[0.063,0.893], df[0.008,0.008], g[7.114,0.196]
1/1 [=====] - 0s 170ms/step
>624, dr[0.346,1.903], df[0.266,0.015], g[3.435,0.215]
1/1 [=====] - 0s 103ms/step
>625, dr[0.036,0.995], df[0.232,0.162], g[4.718,0.244]
1/1 [=====] - 0s 99ms/step
>626, dr[0.334,1.014], df[0.678,0.133], g[5.137,0.454]
1/1 [=====] - 0s 88ms/step
>627, dr[0.184,2.274], df[0.165,0.522], g[5.184,0.085]
1/1 [=====] - 0s 89ms/step
>628, dr[0.317,1.038], df[0.203,0.357], g[4.267,0.213]
1/1 [=====] - 0s 88ms/step
>629, dr[0.017,1.363], df[0.281,0.005], g[4.918,0.511]
1/1 [=====] - 0s 90ms/step
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>630, dr[0.436,1.213], df[0.450,0.365], g[5.709,0.219]
1/1 [=====] - 0s 86ms/step
>631, dr[0.361,0.908], df[0.075,0.055], g[3.590,0.087]
1/1 [=====] - 0s 89ms/step
>632, dr[0.088,1.744], df[0.607,0.506], g[7.803,0.406]
1/1 [=====] - 0s 84ms/step
>633, dr[1.242,1.019], df[0.341,0.400], g[3.427,0.153]
1/1 [=====] - 0s 98ms/step
>634, dr[0.065,0.862], df[0.202,0.174], g[4.082,0.080]
1/1 [=====] - 0s 82ms/step
>635, dr[0.326,1.434], df[0.212,0.203], g[3.453,0.265]
1/1 [=====] - 0s 95ms/step
>636, dr[0.031,1.078], df[0.076,0.276], g[4.063,0.562]
1/1 [=====] - 0s 90ms/step
>637, dr[0.452,2.300], df[0.497,0.506], g[3.427,0.585]
1/1 [=====] - 0s 84ms/step
>638, dr[0.100,3.235], df[0.162,0.122], g[4.590,0.215]
1/1 [=====] - 0s 99ms/step
>639, dr[0.569,1.034], df[0.470,0.382], g[3.476,0.138]
1/1 [=====] - 0s 76ms/step
>640, dr[0.488,0.742], df[0.547,0.169], g[4.338,0.086]
1/1 [=====] - 0s 83ms/step
>641, dr[0.247,0.649], df[0.091,0.009], g[4.296,0.050]
1/1 [=====] - 0s 78ms/step
>642, dr[0.180,0.884], df[0.301,0.374], g[5.417,0.191]
1/1 [=====] - 0s 82ms/step
>643, dr[0.206,1.786], df[0.138,0.083], g[5.410,0.115]
1/1 [=====] - 0s 78ms/step
>644, dr[0.050,0.250], df[0.024,0.141], g[5.057,0.058]
1/1 [=====] - 0s 83ms/step
>645, dr[0.198,2.189], df[0.155,0.032], g[4.638,0.076]
1/1 [=====] - 0s 86ms/step
>646, dr[0.110,0.820], df[0.133,0.021], g[4.212,0.108]
1/1 [=====] - 0s 95ms/step
>647, dr[0.091,0.696], df[0.181,0.508], g[5.898,0.028]
1/1 [=====] - 0s 76ms/step
>648, dr[0.330,0.753], df[0.253,0.027], g[5.647,0.171]
1/1 [=====] - 0s 81ms/step
>649, dr[0.371,1.409], df[0.460,0.111], g[4.939,0.067]
1/1 [=====] - 0s 93ms/step
>650, dr[0.155,0.863], df[0.133,0.035], g[5.615,0.096]
1/1 [=====] - 0s 126ms/step
>651, dr[0.460,0.985], df[0.294,0.052], g[4.489,0.116]
1/1 [=====] - 0s 241ms/step
>652, dr[0.098,0.958], df[0.193,0.082], g[5.783,0.157]
1/1 [=====] - 0s 94ms/step
>653, dr[0.226,1.518], df[0.141,0.076], g[5.410,0.121]
1/1 [=====] - 0s 109ms/step
>654, dr[0.123,0.859], df[0.070,0.243], g[4.413,0.127]
1/1 [=====] - 0s 80ms/step
>655, dr[0.057,1.478], df[0.233,0.182], g[5.642,0.047]
1/1 [=====] - 0s 80ms/step
>656, dr[0.081,0.210], df[0.033,0.005], g[5.259,0.091]
1/1 [=====] - 0s 81ms/step
>657, dr[0.445,1.892], df[0.989,0.327], g[6.739,0.246]
1/1 [=====] - 0s 82ms/step
>658, dr[0.526,0.927], df[0.171,0.045], g[6.126,0.342]
1/1 [=====] - 0s 87ms/step
>659, dr[0.282,1.656], df[0.133,0.149], g[4.792,0.258]
1/1 [=====] - 0s 84ms/step
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>660, dr[0.160,0.368], df[0.447,0.175], g[5.504,0.025]
1/1 [=====] - 0s 83ms/step
>661, dr[0.110,0.530], df[0.043,0.355], g[5.383,0.043]
1/1 [=====] - 0s 98ms/step
>662, dr[0.347,0.540], df[0.331,0.079], g[5.842,0.097]
1/1 [=====] - 0s 90ms/step
>663, dr[0.332,0.319], df[0.125,0.127], g[3.702,0.017]
1/1 [=====] - 0s 86ms/step
>664, dr[0.151,0.632], df[0.377,0.084], g[5.546,0.137]
1/1 [=====] - 0s 81ms/step
>665, dr[0.367,0.670], df[0.277,0.095], g[3.539,0.165]
1/1 [=====] - 0s 80ms/step
>666, dr[0.115,0.601], df[0.322,0.168], g[5.690,0.117]
1/1 [=====] - 0s 77ms/step
>667, dr[0.318,0.866], df[0.079,0.018], g[3.816,0.031]
1/1 [=====] - 0s 84ms/step
>668, dr[0.149,0.586], df[0.431,0.040], g[4.867,0.080]
1/1 [=====] - 0s 77ms/step
>669, dr[0.058,0.861], df[0.082,0.024], g[5.320,0.146]
1/1 [=====] - 0s 75ms/step
>670, dr[0.515,1.607], df[0.387,0.148], g[4.320,0.229]
1/1 [=====] - 0s 73ms/step
>671, dr[0.281,1.531], df[0.251,0.026], g[4.397,0.038]
1/1 [=====] - 0s 73ms/step
>672, dr[0.125,1.189], df[0.185,0.431], g[5.030,0.259]
1/1 [=====] - 0s 75ms/step
>673, dr[0.505,0.633], df[1.112,0.239], g[8.012,0.195]
1/1 [=====] - 0s 76ms/step
>674, dr[0.545,1.179], df[0.047,0.156], g[5.857,0.271]
1/1 [=====] - 0s 75ms/step
>675, dr[0.369,0.943], df[0.259,0.110], g[4.579,0.138]
1/1 [=====] - 0s 81ms/step
>676, dr[0.287,0.845], df[0.450,0.024], g[4.236,0.056]
1/1 [=====] - 0s 83ms/step
>677, dr[0.225,1.504], df[0.287,0.016], g[5.706,0.061]
1/1 [=====] - 0s 75ms/step
>678, dr[0.311,1.280], df[0.125,0.037], g[4.640,0.152]
1/1 [=====] - 0s 73ms/step
>679, dr[0.211,1.106], df[0.154,0.079], g[3.810,0.514]
1/1 [=====] - 0s 74ms/step
>680, dr[0.018,1.519], df[0.188,0.114], g[5.364,0.141]
1/1 [=====] - 0s 77ms/step
>681, dr[0.496,1.049], df[0.296,0.203], g[4.051,0.171]
1/1 [=====] - 0s 73ms/step
>682, dr[0.131,1.586], df[0.240,0.013], g[4.208,0.181]
1/1 [=====] - 0s 76ms/step
>683, dr[0.464,0.740], df[0.366,0.100], g[4.145,0.252]
1/1 [=====] - 0s 74ms/step
>684, dr[0.316,0.944], df[0.160,0.215], g[4.862,0.063]
1/1 [=====] - 0s 71ms/step
>685, dr[0.133,0.724], df[0.103,0.078], g[4.013,0.067]
1/1 [=====] - 0s 76ms/step
>686, dr[0.153,1.229], df[0.286,0.289], g[4.456,0.119]
1/1 [=====] - 0s 72ms/step
>687, dr[0.383,0.940], df[0.125,0.222], g[4.545,0.302]
1/1 [=====] - 0s 76ms/step
>688, dr[0.232,1.175], df[0.277,0.048], g[3.536,0.056]
1/1 [=====] - 0s 81ms/step
>689, dr[0.052,0.463], df[0.146,0.209], g[5.198,0.098]
1/1 [=====] - 0s 72ms/step
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>690, dr[0.256,0.892], df[0.221,0.082], g[4.032,0.161]
1/1 [=====] - 0s 77ms/step
>691, dr[0.127,1.235], df[0.102,0.053], g[4.657,0.268]
1/1 [=====] - 0s 73ms/step
>692, dr[0.226,0.710], df[0.254,0.284], g[4.527,0.073]
1/1 [=====] - 0s 73ms/step
>693, dr[0.056,0.462], df[0.163,0.028], g[5.976,0.120]
1/1 [=====] - 0s 70ms/step
>694, dr[0.500,0.844], df[0.289,0.419], g[3.918,0.037]
1/1 [=====] - 0s 71ms/step
>695, dr[0.085,0.640], df[0.789,0.017], g[7.873,0.073]
1/1 [=====] - 0s 73ms/step
>696, dr[0.501,0.713], df[0.015,0.090], g[5.296,0.192]
1/1 [=====] - 0s 76ms/step
>697, dr[0.416,1.003], df[0.731,0.109], g[4.736,0.298]
1/1 [=====] - 0s 66ms/step
>698, dr[0.232,2.009], df[0.193,0.011], g[6.095,0.508]
1/1 [=====] - 0s 69ms/step
>699, dr[0.657,0.771], df[0.924,0.093], g[5.500,0.363]
1/1 [=====] - 0s 73ms/step
>700, dr[0.238,0.760], df[0.097,0.083], g[6.720,0.306]
1/1 [=====] - 0s 78ms/step
>701, dr[0.327,0.607], df[0.263,0.248], g[6.194,0.094]
1/1 [=====] - 0s 72ms/step
>702, dr[0.758,0.467], df[0.358,0.099], g[4.462,0.142]
1/1 [=====] - 0s 76ms/step
>703, dr[0.143,0.632], df[0.192,0.238], g[6.127,0.239]
1/1 [=====] - 0s 73ms/step
>704, dr[0.238,1.948], df[0.325,0.428], g[5.922,0.231]
1/1 [=====] - 0s 74ms/step
>705, dr[0.492,1.539], df[0.501,0.018], g[5.676,0.254]
1/1 [=====] - 0s 78ms/step
>706, dr[0.640,0.825], df[0.330,0.301], g[4.185,0.137]
1/1 [=====] - 0s 79ms/step
>707, dr[0.167,0.677], df[0.109,0.052], g[5.692,0.172]
1/1 [=====] - 0s 68ms/step
>708, dr[0.271,1.213], df[0.195,0.231], g[4.454,0.109]
1/1 [=====] - 0s 72ms/step
>709, dr[0.102,1.292], df[0.091,0.072], g[4.477,0.126]
1/1 [=====] - 0s 90ms/step
>710, dr[0.204,0.577], df[0.652,0.005], g[5.574,0.179]
1/1 [=====] - 0s 80ms/step
>711, dr[0.616,1.204], df[0.494,0.175], g[6.557,0.170]
1/1 [=====] - 0s 74ms/step
>712, dr[0.497,1.076], df[0.262,0.435], g[4.176,0.299]
1/1 [=====] - 0s 81ms/step
>713, dr[0.155,1.429], df[0.462,0.058], g[6.520,0.112]
1/1 [=====] - 0s 73ms/step
>714, dr[0.857,0.530], df[0.298,0.248], g[4.512,0.227]
1/1 [=====] - 0s 78ms/step
>715, dr[0.156,0.851], df[0.165,0.107], g[4.783,0.177]
1/1 [=====] - 0s 84ms/step
>716, dr[0.411,0.743], df[1.225,0.099], g[7.922,0.225]
1/1 [=====] - 0s 80ms/step
>717, dr[0.824,0.700], df[0.104,0.045], g[4.215,0.255]
1/1 [=====] - 0s 89ms/step
>718, dr[0.233,0.669], df[1.229,0.333], g[10.833,0.140]
1/1 [=====] - 0s 82ms/step
>719, dr[2.140,0.604], df[0.244,0.076], g[3.545,0.074]
1/1 [=====] - 0s 76ms/step
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>720, dr[0.175,1.082], df[0.813,0.662], g[6.786,0.188]
1/1 [=====] - 0s 75ms/step
>721, dr[0.974,1.996], df[0.365,0.152], g[5.951,0.239]
1/1 [=====] - 0s 76ms/step
>722, dr[0.331,0.623], df[0.288,0.133], g[5.060,0.218]
1/1 [=====] - 0s 88ms/step
>723, dr[0.419,1.002], df[0.498,0.197], g[7.405,0.223]
1/1 [=====] - 0s 76ms/step
>724, dr[0.698,1.873], df[0.364,0.758], g[5.009,0.474]
1/1 [=====] - 0s 93ms/step
>725, dr[0.312,0.721], df[0.179,0.207], g[4.627,0.247]
1/1 [=====] - 0s 74ms/step
>726, dr[0.132,0.863], df[0.194,0.142], g[5.934,0.327]
1/1 [=====] - 0s 70ms/step
>727, dr[0.458,1.537], df[0.359,0.061], g[4.180,0.168]
1/1 [=====] - 0s 76ms/step
>728, dr[0.199,1.379], df[0.461,0.092], g[8.199,0.166]
1/1 [=====] - 0s 72ms/step
>729, dr[1.068,1.265], df[0.508,0.022], g[4.023,0.139]
1/1 [=====] - 0s 72ms/step
>730, dr[0.044,1.163], df[0.221,0.369], g[6.633,0.232]
1/1 [=====] - 0s 71ms/step
>731, dr[0.274,0.768], df[0.276,0.342], g[6.034,0.219]
1/1 [=====] - 0s 73ms/step
>732, dr[0.555,0.722], df[0.446,0.079], g[6.187,0.321]
1/1 [=====] - 0s 74ms/step
>733, dr[0.593,0.540], df[0.134,0.069], g[3.484,0.348]
1/1 [=====] - 0s 71ms/step
>734, dr[0.035,1.124], df[0.522,0.410], g[7.097,0.109]
1/1 [=====] - 0s 73ms/step
>735, dr[0.838,2.235], df[0.553,0.527], g[4.383,0.673]
1/1 [=====] - 0s 77ms/step
>736, dr[0.302,1.309], df[0.315,0.293], g[4.471,0.246]
1/1 [=====] - 0s 85ms/step
>737, dr[0.209,0.610], df[0.242,0.095], g[5.256,0.319]
1/1 [=====] - 0s 78ms/step
>738, dr[0.511,1.025], df[0.627,0.243], g[7.553,0.064]
1/1 [=====] - 0s 77ms/step
>739, dr[0.721,0.657], df[0.067,0.048], g[5.358,0.029]
1/1 [=====] - 0s 74ms/step
>740, dr[0.394,0.341], df[0.630,0.155], g[7.759,0.255]
1/1 [=====] - 0s 72ms/step
>741, dr[0.916,1.566], df[0.150,0.075], g[3.164,0.138]
1/1 [=====] - 0s 79ms/step
>742, dr[0.161,1.092], df[1.297,0.529], g[10.627,0.335]
1/1 [=====] - 0s 77ms/step
>743, dr[2.038,0.267], df[0.083,0.548], g[3.725,0.392]
1/1 [=====] - 0s 71ms/step
>744, dr[0.258,1.481], df[1.122,0.568], g[6.084,0.070]
1/1 [=====] - 0s 72ms/step
>745, dr[1.239,1.073], df[0.889,0.400], g[4.496,0.386]
1/1 [=====] - 0s 78ms/step
>746, dr[0.044,1.423], df[0.032,0.458], g[5.910,0.082]
1/1 [=====] - 0s 76ms/step
>747, dr[0.511,0.405], df[0.244,0.324], g[4.424,0.250]
1/1 [=====] - 0s 74ms/step
>748, dr[0.099,0.664], df[0.160,0.208], g[4.890,0.052]
1/1 [=====] - 0s 78ms/step
>749, dr[0.098,1.595], df[0.135,0.758], g[5.336,0.186]
1/1 [=====] - 0s 77ms/step
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>750, dr[0.041,0.527], df[0.103,0.131], g[5.858,0.390]
1/1 [=====] - 0s 78ms/step
>751, dr[0.127,0.627], df[0.101,0.070], g[5.649,0.106]
1/1 [=====] - 0s 72ms/step
>752, dr[0.145,1.855], df[0.167,0.006], g[4.960,0.208]
1/1 [=====] - 0s 77ms/step
>753, dr[0.581,1.943], df[0.492,0.085], g[5.506,0.085]
1/1 [=====] - 0s 74ms/step
>754, dr[0.131,1.325], df[0.053,0.079], g[6.222,0.062]
1/1 [=====] - 0s 70ms/step
>755, dr[0.390,1.352], df[0.346,0.004], g[4.531,0.083]
1/1 [=====] - 0s 71ms/step
>756, dr[0.104,1.027], df[0.291,0.179], g[6.103,0.057]
1/1 [=====] - 0s 74ms/step
>757, dr[0.056,0.673], df[0.006,0.100], g[5.391,0.134]
1/1 [=====] - 0s 75ms/step
>758, dr[0.095,1.192], df[0.023,0.010], g[4.714,0.289]
1/1 [=====] - 0s 67ms/step
>759, dr[0.122,0.555], df[0.065,0.080], g[3.631,0.241]
1/1 [=====] - 0s 74ms/step
>760, dr[0.245,0.769], df[0.253,0.274], g[4.047,0.162]
1/1 [=====] - 0s 68ms/step
>761, dr[0.243,1.180], df[0.557,0.069], g[7.215,0.088]
1/1 [=====] - 0s 72ms/step
>762, dr[0.460,0.739], df[0.008,0.314], g[7.592,0.042]
1/1 [=====] - 0s 65ms/step
>763, dr[0.424,0.426], df[0.066,0.244], g[3.561,0.146]
1/1 [=====] - 0s 71ms/step
>764, dr[0.071,0.860], df[0.139,0.026], g[2.787,0.093]
1/1 [=====] - 0s 66ms/step
>765, dr[0.008,1.184], df[0.065,0.082], g[4.827,0.278]
1/1 [=====] - 0s 76ms/step
>766, dr[0.165,0.423], df[0.113,0.030], g[4.238,0.192]
1/1 [=====] - 0s 92ms/step
>767, dr[0.213,1.046], df[0.115,0.307], g[2.865,0.064]
1/1 [=====] - 0s 83ms/step
>768, dr[0.044,2.504], df[0.147,0.047], g[4.431,0.060]
1/1 [=====] - 0s 67ms/step
>769, dr[0.264,0.759], df[0.295,0.006], g[4.328,0.132]
1/1 [=====] - 0s 80ms/step
>770, dr[0.255,1.416], df[0.088,0.080], g[3.613,0.130]
1/1 [=====] - 0s 76ms/step
>771, dr[0.073,1.501], df[0.728,0.119], g[6.727,0.240]
1/1 [=====] - 0s 80ms/step
>772, dr[0.788,1.123], df[0.019,0.577], g[3.635,0.254]
1/1 [=====] - 0s 76ms/step
>773, dr[0.120,1.909], df[0.480,0.108], g[7.019,0.156]
1/1 [=====] - 0s 80ms/step
>774, dr[0.584,0.559], df[0.062,0.029], g[4.998,0.266]
1/1 [=====] - 0s 80ms/step
>775, dr[0.213,1.116], df[0.129,0.095], g[3.574,0.668]
1/1 [=====] - 0s 80ms/step
>776, dr[0.051,0.789], df[0.128,0.083], g[5.383,0.191]
1/1 [=====] - 0s 79ms/step
>777, dr[0.242,0.465], df[0.177,0.414], g[4.299,0.216]
1/1 [=====] - 0s 74ms/step
>778, dr[0.330,1.567], df[0.153,0.080], g[4.468,0.039]
1/1 [=====] - 0s 82ms/step
>779, dr[0.374,1.501], df[0.254,0.268], g[3.826,0.085]
1/1 [=====] - 0s 83ms/step
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>780, dr[0.037,1.986], df[0.049,0.235], g[5.297,0.380]
1/1 [=====] - 0s 76ms/step
>781, dr[0.220,0.530], df[0.066,0.057], g[4.112,0.261]
1/1 [=====] - 0s 77ms/step
>782, dr[0.199,1.285], df[0.125,0.341], g[3.301,0.102]
1/1 [=====] - 0s 76ms/step
>783, dr[0.109,0.423], df[0.131,0.263], g[4.528,0.150]
1/1 [=====] - 0s 75ms/step
>784, dr[0.084,1.051], df[0.082,0.031], g[4.498,0.238]
1/1 [=====] - 0s 76ms/step
>785, dr[0.022,0.604], df[0.059,0.160], g[4.838,0.518]
1/1 [=====] - 0s 87ms/step
>786, dr[0.165,0.804], df[0.095,0.033], g[3.788,0.432]
1/1 [=====] - 0s 65ms/step
>787, dr[0.116,2.313], df[0.129,0.066], g[4.236,0.129]
1/1 [=====] - 0s 75ms/step
>788, dr[0.134,0.606], df[0.078,0.380], g[3.674,0.337]
1/1 [=====] - 0s 71ms/step
>789, dr[0.115,2.502], df[0.099,0.060], g[3.184,0.454]
1/1 [=====] - 0s 73ms/step
>790, dr[0.043,0.818], df[0.109,0.202], g[3.650,0.176]
1/1 [=====] - 0s 71ms/step
>791, dr[0.497,0.998], df[0.123,0.061], g[3.327,0.182]
1/1 [=====] - 0s 66ms/step
>792, dr[0.002,0.934], df[0.182,0.100], g[4.458,0.186]
1/1 [=====] - 0s 69ms/step
>793, dr[0.198,0.982], df[0.228,0.227], g[5.099,0.106]
1/1 [=====] - 0s 72ms/step
>794, dr[0.100,0.615], df[0.037,0.108], g[4.651,0.383]
1/1 [=====] - 0s 67ms/step
>795, dr[0.149,1.571], df[0.172,0.078], g[4.544,0.107]
1/1 [=====] - 0s 85ms/step
>796, dr[0.316,2.344], df[0.388,0.121], g[3.981,0.096]
1/1 [=====] - 0s 77ms/step
>797, dr[0.087,1.178], df[0.133,0.115], g[4.521,0.190]
1/1 [=====] - 0s 73ms/step
>798, dr[0.298,0.670], df[0.206,0.147], g[4.189,0.093]
1/1 [=====] - 0s 78ms/step
>799, dr[0.290,0.917], df[0.158,0.242], g[3.750,0.401]
1/1 [=====] - 0s 75ms/step
>800, dr[0.188,0.988], df[0.441,0.054], g[5.155,0.277]
1/1 [=====] - 0s 75ms/step
>801, dr[0.169,0.841], df[0.046,0.197], g[5.491,0.142]
1/1 [=====] - 0s 77ms/step
>802, dr[1.142,2.003], df[1.683,0.189], g[2.934,0.290]
1/1 [=====] - 0s 72ms/step
>803, dr[0.062,1.241], df[0.169,0.004], g[6.478,0.138]
1/1 [=====] - 0s 71ms/step
>804, dr[0.610,1.258], df[0.271,0.279], g[3.663,0.601]
1/1 [=====] - 0s 75ms/step
>805, dr[0.063,0.899], df[0.373,0.206], g[7.913,0.290]
1/1 [=====] - 0s 69ms/step
>806, dr[0.492,0.861], df[0.169,0.160], g[4.859,0.038]
1/1 [=====] - 0s 71ms/step
>807, dr[0.089,0.410], df[0.152,0.091], g[5.031,0.033]
1/1 [=====] - 0s 71ms/step
>808, dr[0.100,0.990], df[0.195,0.236], g[5.807,0.049]
1/1 [=====] - 0s 72ms/step
>809, dr[0.112,0.745], df[0.235,0.173], g[6.512,0.040]
1/1 [=====] - 0s 79ms/step
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>810, dr[0.104,0.590], df[0.146,0.046], g[5.316,0.093]
1/1 [=====] - 0s 77ms/step
>811, dr[0.494,0.913], df[0.644,0.065], g[5.788,0.119]
1/1 [=====] - 0s 72ms/step
>812, dr[0.290,0.599], df[0.036,0.080], g[5.559,0.066]
1/1 [=====] - 0s 78ms/step
>813, dr[0.161,0.415], df[0.099,0.014], g[3.636,0.051]
1/1 [=====] - 0s 74ms/step
>814, dr[0.184,2.290], df[0.196,0.064], g[4.190,0.164]
1/1 [=====] - 0s 78ms/step
>815, dr[0.245,0.595], df[0.316,0.114], g[4.577,0.405]
1/1 [=====] - 0s 80ms/step
>816, dr[0.091,1.302], df[0.294,0.117], g[5.242,0.057]
1/1 [=====] - 0s 76ms/step
>817, dr[0.113,0.817], df[0.106,0.015], g[4.924,0.234]
1/1 [=====] - 0s 74ms/step
>818, dr[0.280,1.051], df[0.233,0.149], g[4.663,0.337]
1/1 [=====] - 0s 68ms/step
>819, dr[0.240,1.283], df[0.059,0.256], g[4.054,0.099]
1/1 [=====] - 0s 72ms/step
>820, dr[0.076,0.287], df[0.292,0.013], g[5.451,0.214]
1/1 [=====] - 0s 73ms/step
>821, dr[0.288,1.113], df[0.221,0.302], g[4.894,0.087]
1/1 [=====] - 0s 82ms/step
>822, dr[0.352,1.592], df[0.208,0.049], g[3.391,0.181]
1/1 [=====] - 0s 81ms/step
>823, dr[0.145,0.870], df[0.424,0.221], g[5.012,0.138]
1/1 [=====] - 0s 81ms/step
>824, dr[0.101,0.766], df[0.106,0.038], g[5.977,0.179]
1/1 [=====] - 0s 85ms/step
>825, dr[0.442,0.263], df[0.185,0.059], g[3.907,0.152]
1/1 [=====] - 0s 76ms/step
>826, dr[0.258,1.592], df[0.071,0.100], g[4.192,0.321]
1/1 [=====] - 0s 73ms/step
>827, dr[0.232,2.658], df[0.212,0.337], g[4.209,0.333]
1/1 [=====] - 0s 77ms/step
>828, dr[0.100,0.953], df[0.312,0.134], g[4.827,0.302]
1/1 [=====] - 0s 73ms/step
>829, dr[0.330,0.416], df[0.614,0.234], g[5.605,0.099]
1/1 [=====] - 0s 73ms/step
>830, dr[0.851,1.064], df[0.414,0.365], g[3.526,0.446]
1/1 [=====] - 0s 72ms/step
>831, dr[0.238,0.379], df[0.330,0.009], g[4.039,0.348]
1/1 [=====] - 0s 75ms/step
>832, dr[0.319,0.994], df[0.511,0.090], g[5.134,0.158]
1/1 [=====] - 0s 78ms/step
>833, dr[0.160,0.696], df[0.020,0.104], g[5.054,0.174]
1/1 [=====] - 0s 79ms/step
>834, dr[0.066,0.801], df[0.022,0.024], g[2.916,0.284]
1/1 [=====] - 0s 82ms/step
>835, dr[0.246,1.908], df[0.569,0.145], g[4.624,1.535]
1/1 [=====] - 0s 80ms/step
>836, dr[0.507,1.081], df[0.013,0.098], g[2.621,0.442]
1/1 [=====] - 0s 93ms/step
>837, dr[0.406,1.242], df[0.203,0.149], g[2.005,0.229]
1/1 [=====] - 0s 82ms/step
>838, dr[0.085,0.864], df[0.120,0.223], g[1.705,0.237]
1/1 [=====] - 0s 80ms/step
>839, dr[0.029,0.574], df[0.114,0.461], g[2.573,0.109]
1/1 [=====] - 0s 79ms/step
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>840, dr[0.160,1.041], df[0.242,0.006], g[3.286,0.105]
1/1 [=====] - 0s 77ms/step
>841, dr[0.212,1.313], df[0.124,0.111], g[2.368,0.124]
1/1 [=====] - 0s 78ms/step
>842, dr[0.115,1.248], df[0.191,0.063], g[2.602,0.528]
1/1 [=====] - 0s 75ms/step
>843, dr[0.168,0.575], df[0.136,0.015], g[3.576,0.390]
1/1 [=====] - 0s 78ms/step
>844, dr[0.213,1.165], df[0.021,0.003], g[2.253,0.222]
1/1 [=====] - 0s 82ms/step
>845, dr[0.054,0.887], df[0.388,0.089], g[3.558,0.134]
1/1 [=====] - 0s 74ms/step
>846, dr[0.128,1.495], df[0.050,0.016], g[4.028,0.165]
1/1 [=====] - 0s 78ms/step
>847, dr[0.479,1.475], df[0.460,0.007], g[2.293,0.432]
1/1 [=====] - 0s 65ms/step
>848, dr[0.154,0.510], df[0.306,0.129], g[4.175,0.301]
1/1 [=====] - 0s 68ms/step
>849, dr[0.419,1.259], df[0.690,0.280], g[5.076,0.103]
1/1 [=====] - 0s 72ms/step
>850, dr[0.430,0.939], df[0.122,0.188], g[3.187,0.078]
1/1 [=====] - 0s 81ms/step
>851, dr[0.060,0.534], df[0.229,0.016], g[5.565,0.025]
1/1 [=====] - 0s 73ms/step
>852, dr[0.763,0.597], df[1.083,0.025], g[5.841,0.315]
1/1 [=====] - 0s 70ms/step
>853, dr[0.349,1.037], df[0.014,0.138], g[5.640,0.079]
1/1 [=====] - 0s 72ms/step
>854, dr[0.254,1.142], df[0.688,0.283], g[4.074,0.110]
1/1 [=====] - 0s 77ms/step
>855, dr[0.082,1.392], df[0.180,0.013], g[5.833,0.348]
1/1 [=====] - 0s 73ms/step
>856, dr[0.383,0.847], df[0.113,0.467], g[4.114,0.100]
1/1 [=====] - 0s 73ms/step
>857, dr[0.387,0.704], df[0.761,0.204], g[5.810,0.126]
1/1 [=====] - 0s 90ms/step
>858, dr[0.201,1.678], df[0.009,0.059], g[7.183,0.299]
1/1 [=====] - 0s 78ms/step
>859, dr[0.920,0.698], df[0.252,0.397], g[3.780,0.184]
1/1 [=====] - 0s 81ms/step
>860, dr[0.034,0.844], df[0.533,0.048], g[6.989,0.187]
1/1 [=====] - 0s 76ms/step
>861, dr[0.473,1.628], df[0.066,0.152], g[5.431,0.164]
1/1 [=====] - 0s 69ms/step
>862, dr[0.140,0.885], df[0.150,0.084], g[5.233,0.047]
1/1 [=====] - 0s 86ms/step
>863, dr[0.142,0.903], df[0.354,0.265], g[5.997,0.117]
1/1 [=====] - 0s 79ms/step
>864, dr[0.375,0.158], df[0.376,0.252], g[5.438,0.115]
1/1 [=====] - 0s 76ms/step
>865, dr[0.362,0.672], df[0.874,0.261], g[7.496,0.087]
1/1 [=====] - 0s 71ms/step
>866, dr[0.464,0.683], df[0.028,0.308], g[5.320,0.045]
1/1 [=====] - 0s 68ms/step
>867, dr[0.135,1.038], df[0.174,0.058], g[4.314,0.337]
1/1 [=====] - 0s 78ms/step
>868, dr[0.068,1.349], df[0.186,0.022], g[5.065,0.674]
1/1 [=====] - 0s 71ms/step
>869, dr[0.377,0.808], df[0.381,0.053], g[5.014,0.162]
1/1 [=====] - 0s 73ms/step
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>870, dr[0.333,1.049], df[0.712,0.245], g[5.545,0.266]
1/1 [=====] - 0s 75ms/step
>871, dr[0.740,0.587], df[0.217,0.164], g[4.300,0.173]
1/1 [=====] - 0s 74ms/step
>872, dr[0.113,0.554], df[0.203,0.046], g[3.574,0.142]
1/1 [=====] - 0s 80ms/step
>873, dr[0.101,1.561], df[0.300,0.130], g[6.282,0.205]
1/1 [=====] - 0s 74ms/step
>874, dr[0.138,2.049], df[0.044,0.155], g[5.641,0.135]
1/1 [=====] - 0s 73ms/step
>875, dr[0.630,0.777], df[0.279,0.307], g[2.555,0.124]
1/1 [=====] - 0s 79ms/step
>876, dr[0.010,0.762], df[0.414,0.018], g[4.917,0.232]
1/1 [=====] - 0s 71ms/step
>877, dr[0.159,0.534], df[0.163,0.151], g[6.672,0.209]
1/1 [=====] - 0s 74ms/step
>878, dr[0.723,1.439], df[0.947,0.176], g[4.507,0.123]
1/1 [=====] - 0s 80ms/step
>879, dr[0.193,0.505], df[0.146,0.102], g[5.574,0.301]
1/1 [=====] - 0s 74ms/step
>880, dr[0.150,1.420], df[0.282,0.306], g[5.649,0.216]
1/1 [=====] - 0s 79ms/step
>881, dr[0.580,1.002], df[0.348,0.063], g[5.885,0.048]
1/1 [=====] - 0s 80ms/step
>882, dr[0.281,0.516], df[0.386,0.075], g[5.130,0.090]
1/1 [=====] - 0s 77ms/step
>883, dr[0.170,0.821], df[0.046,0.062], g[4.623,0.068]
1/1 [=====] - 0s 78ms/step
>884, dr[0.147,1.606], df[0.708,0.125], g[5.925,0.095]
1/1 [=====] - 0s 72ms/step
>885, dr[0.595,0.784], df[0.465,0.031], g[5.875,0.139]
1/1 [=====] - 0s 82ms/step
>886, dr[0.758,1.349], df[0.301,0.243], g[4.969,0.110]
1/1 [=====] - 0s 74ms/step
>887, dr[0.472,0.716], df[0.538,0.083], g[4.868,0.178]
1/1 [=====] - 0s 72ms/step
>888, dr[0.395,1.047], df[0.176,0.220], g[3.955,0.187]
1/1 [=====] - 0s 77ms/step
>889, dr[0.349,1.173], df[0.987,0.441], g[6.682,0.176]
1/1 [=====] - 0s 76ms/step
>890, dr[1.099,1.062], df[0.829,0.153], g[4.886,0.326]
1/1 [=====] - 0s 78ms/step
>891, dr[0.585,0.866], df[0.130,0.220], g[4.259,0.077]
1/1 [=====] - 0s 83ms/step
>892, dr[0.174,0.412], df[0.232,0.004], g[4.780,0.151]
1/1 [=====] - 0s 82ms/step
>893, dr[0.082,0.333], df[0.030,0.555], g[5.236,0.266]
1/1 [=====] - 0s 78ms/step
>894, dr[0.088,1.415], df[0.316,0.019], g[5.458,0.321]
1/1 [=====] - 0s 80ms/step
>895, dr[0.552,0.714], df[0.484,0.010], g[3.202,0.218]
1/1 [=====] - 0s 81ms/step
>896, dr[0.067,1.206], df[0.308,0.161], g[6.062,0.179]
1/1 [=====] - 0s 79ms/step
>897, dr[0.289,1.277], df[0.180,0.084], g[5.372,0.115]
1/1 [=====] - 0s 83ms/step
>898, dr[0.380,1.097], df[0.188,0.125], g[3.928,0.398]
1/1 [=====] - 0s 82ms/step
>899, dr[0.174,1.526], df[0.416,0.360], g[6.065,0.166]
1/1 [=====] - 0s 76ms/step
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>900, dr[0.544,0.362], df[0.407,0.198], g[5.205,0.295]
1/1 [=====] - 0s 78ms/step
>901, dr[0.563,1.169], df[0.261,0.103], g[4.516,0.238]
1/1 [=====] - 0s 73ms/step
>902, dr[0.197,0.745], df[0.588,0.371], g[8.399,0.149]
1/1 [=====] - 0s 78ms/step
>903, dr[1.138,1.160], df[0.299,0.484], g[3.822,0.201]
1/1 [=====] - 0s 78ms/step
>904, dr[0.048,2.107], df[0.092,0.539], g[4.730,0.505]
1/1 [=====] - 0s 98ms/step
>905, dr[0.063,0.751], df[0.194,0.186], g[5.090,0.480]
1/1 [=====] - 0s 80ms/step
>906, dr[0.399,1.394], df[0.179,0.028], g[2.661,0.240]
1/1 [=====] - 0s 83ms/step
>907, dr[0.041,2.120], df[0.548,0.039], g[5.484,0.498]
1/1 [=====] - 0s 82ms/step
>908, dr[0.516,1.823], df[0.106,0.144], g[3.416,0.425]
1/1 [=====] - 0s 80ms/step
>909, dr[0.035,2.715], df[0.523,0.237], g[5.917,0.396]
1/1 [=====] - 0s 76ms/step
>910, dr[0.494,1.425], df[0.338,0.328], g[4.816,0.100]
1/1 [=====] - 0s 77ms/step
>911, dr[0.577,1.955], df[0.465,0.130], g[4.717,0.399]
1/1 [=====] - 0s 76ms/step
>912, dr[0.242,1.552], df[0.197,0.165], g[5.732,0.190]
1/1 [=====] - 0s 72ms/step
>913, dr[0.599,0.874], df[0.226,0.202], g[3.549,0.157]
1/1 [=====] - 0s 74ms/step
>914, dr[0.180,1.169], df[1.267,0.344], g[8.749,0.060]
1/1 [=====] - 0s 73ms/step
>915, dr[1.071,0.501], df[0.053,0.213], g[6.557,0.129]
1/1 [=====] - 0s 78ms/step
>916, dr[0.451,0.307], df[0.867,0.108], g[6.419,0.183]
1/1 [=====] - 0s 76ms/step
>917, dr[0.510,1.555], df[0.099,0.241], g[5.785,0.209]
1/1 [=====] - 0s 72ms/step
>918, dr[0.113,0.891], df[0.220,0.323], g[6.370,0.323]
1/1 [=====] - 0s 73ms/step
>919, dr[0.545,2.870], df[0.391,0.218], g[4.379,0.384]
1/1 [=====] - 0s 71ms/step
>920, dr[0.066,1.019], df[0.301,0.415], g[5.492,0.219]
1/1 [=====] - 0s 73ms/step
>921, dr[0.136,0.580], df[0.190,0.219], g[6.845,0.159]
1/1 [=====] - 0s 77ms/step
>922, dr[0.853,1.138], df[0.387,0.092], g[4.109,0.104]
1/1 [=====] - 0s 80ms/step
>923, dr[0.014,1.229], df[0.150,0.009], g[4.481,0.026]
1/1 [=====] - 0s 75ms/step
>924, dr[0.062,0.982], df[0.198,0.300], g[4.617,0.109]
1/1 [=====] - 0s 79ms/step
>925, dr[0.330,1.478], df[0.257,0.002], g[3.345,0.217]
1/1 [=====] - 0s 77ms/step
>926, dr[0.358,1.859], df[1.352,0.249], g[8.400,0.291]
1/1 [=====] - 0s 75ms/step
>927, dr[1.723,1.036], df[0.777,0.340], g[4.077,0.290]
1/1 [=====] - 0s 78ms/step
>928, dr[0.209,0.658], df[0.459,0.046], g[5.715,0.261]
1/1 [=====] - 0s 87ms/step
>929, dr[0.365,0.317], df[0.136,0.336], g[4.273,0.328]
1/1 [=====] - 0s 77ms/step
```

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>930, dr[0.243,1.130], df[0.232,0.437], g[3.638,0.190]
1/1 [=====] - 0s 89ms/step
>931, dr[0.125,1.641], df[0.116,0.094], g[3.657,0.163]
1/1 [=====] - 0s 96ms/step
>932, dr[0.367,1.753], df[0.763,0.021], g[5.083,0.152]
1/1 [=====] - 0s 67ms/step
>933, dr[1.002,1.127], df[0.267,0.016], g[1.405,0.219]
1/1 [=====] - 0s 72ms/step
>934, dr[0.004,1.033], df[0.700,0.347], g[5.804,0.222]
1/1 [=====] - 0s 75ms/step
>935, dr[0.221,1.888], df[0.029,0.053], g[5.272,0.049]
1/1 [=====] - 0s 72ms/step
>936, dr[0.265,1.764], df[0.559,0.561], g[4.776,0.213]
1/1 [=====] - 0s 65ms/step
>937, dr[0.369,0.640], df[0.710,0.366], g[7.904,0.224]
4/4 [=====] - 0s 43ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 78ms/step
>938, dr[2.447,1.739], df[1.351,0.045], g[4.210,0.276]
1/1 [=====] - 0s 86ms/step
>939, dr[0.073,0.775], df[0.176,0.104], g[6.523,0.294]
1/1 [=====] - 0s 79ms/step
>940, dr[0.562,0.784], df[0.362,0.192], g[7.163,0.379]
1/1 [=====] - 0s 72ms/step
>941, dr[0.701,1.313], df[0.135,0.191], g[4.249,0.093]
1/1 [=====] - 0s 96ms/step
>942, dr[0.170,1.158], df[0.331,0.320], g[5.682,0.164]
1/1 [=====] - 0s 80ms/step
>943, dr[0.267,1.047], df[0.058,0.073], g[4.155,0.216]
1/1 [=====] - 0s 72ms/step
>944, dr[0.189,1.039], df[0.350,0.035], g[4.623,0.209]
1/1 [=====] - 0s 66ms/step
>945, dr[0.483,1.004], df[0.738,0.192], g[4.309,0.240]
1/1 [=====] - 0s 77ms/step
>946, dr[0.261,0.607], df[0.055,0.222], g[4.649,0.218]
1/1 [=====] - 0s 78ms/step
>947, dr[0.215,0.971], df[0.597,0.271], g[5.675,0.431]
1/1 [=====] - 0s 78ms/step
>948, dr[0.629,1.383], df[0.144,0.087], g[4.721,0.134]
1/1 [=====] - 0s 77ms/step
>949, dr[0.396,1.355], df[0.765,0.280], g[3.971,0.210]
1/1 [=====] - 0s 78ms/step
>950, dr[0.170,0.913], df[0.068,0.292], g[4.891,0.269]
1/1 [=====] - 0s 81ms/step
>951, dr[0.345,0.808], df[0.526,0.031], g[4.952,0.065]
1/1 [=====] - 0s 85ms/step
>952, dr[0.630,0.998], df[0.422,0.102], g[5.662,0.106]
1/1 [=====] - 0s 84ms/step
>953, dr[0.118,0.814], df[0.058,0.054], g[5.447,0.305]
1/1 [=====] - 0s 82ms/step
>954, dr[0.336,1.234], df[0.608,0.141], g[4.859,0.136]
1/1 [=====] - 0s 80ms/step
>955, dr[0.310,0.522], df[0.227,0.028], g[5.245,0.539]
1/1 [=====] - 0s 75ms/step
>956, dr[0.476,1.237], df[0.423,0.376], g[6.108,0.429]
1/1 [=====] - 0s 80ms/step
>957, dr[1.137,0.932], df[0.586,0.146], g[3.227,0.228]
1/1 [=====] - 0s 71ms/step
```

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>958, dr[0.163,1.242], df[0.364,0.461], g[6.057,0.185]
1/1 [=====] - 0s 80ms/step
>959, dr[0.560,0.723], df[0.159,0.238], g[4.500,0.266]
1/1 [=====] - 0s 74ms/step
>960, dr[0.278,1.161], df[0.773,0.127], g[6.772,0.681]
1/1 [=====] - 0s 67ms/step
>961, dr[1.704,0.636], df[0.822,0.189], g[4.018,0.461]
1/1 [=====] - 0s 76ms/step
>962, dr[0.082,0.619], df[0.066,0.301], g[4.634,0.732]
1/1 [=====] - 0s 71ms/step
>963, dr[0.252,2.786], df[0.199,0.059], g[4.645,0.606]
1/1 [=====] - 0s 70ms/step
>964, dr[0.227,1.373], df[0.465,0.501], g[5.345,0.354]
1/1 [=====] - 0s 71ms/step
>965, dr[0.341,1.121], df[0.264,0.148], g[4.527,0.271]
1/1 [=====] - 0s 80ms/step
>966, dr[0.338,0.887], df[1.086,0.616], g[6.564,0.587]
1/1 [=====] - 0s 74ms/step
>967, dr[1.066,1.847], df[0.308,0.370], g[2.916,0.313]
1/1 [=====] - 0s 74ms/step
>968, dr[0.020,0.528], df[0.494,0.730], g[7.121,0.060]
1/1 [=====] - 0s 73ms/step
>969, dr[1.087,1.648], df[0.781,0.278], g[5.959,0.454]
1/1 [=====] - 0s 72ms/step
>970, dr[0.220,0.628], df[0.078,0.058], g[5.164,0.319]
1/1 [=====] - 0s 73ms/step
>971, dr[0.501,0.340], df[0.724,0.326], g[4.343,0.136]
1/1 [=====] - 0s 72ms/step
>972, dr[0.137,0.579], df[0.715,0.106], g[7.797,0.294]
1/1 [=====] - 0s 76ms/step
>973, dr[1.571,1.074], df[1.055,0.331], g[6.629,0.313]
1/1 [=====] - 0s 69ms/step
>974, dr[1.076,0.653], df[0.140,0.075], g[3.703,0.133]
1/1 [=====] - 0s 77ms/step
>975, dr[0.026,1.382], df[0.121,0.342], g[4.407,0.354]
1/1 [=====] - 0s 88ms/step
>976, dr[0.113,1.124], df[0.194,0.420], g[5.274,0.472]
1/1 [=====] - 0s 76ms/step
>977, dr[0.479,1.663], df[0.710,0.047], g[3.993,0.661]
1/1 [=====] - 0s 77ms/step
>978, dr[0.144,1.125], df[0.179,0.208], g[5.838,0.305]
1/1 [=====] - 0s 76ms/step
>979, dr[0.435,0.912], df[0.252,0.382], g[3.547,0.174]
1/1 [=====] - 0s 74ms/step
>980, dr[0.422,1.726], df[1.333,0.185], g[5.185,0.142]
1/1 [=====] - 0s 79ms/step
>981, dr[0.320,0.777], df[0.017,0.272], g[5.063,0.347]
1/1 [=====] - 0s 75ms/step
>982, dr[0.405,0.865], df[0.497,0.194], g[4.802,0.346]
1/1 [=====] - 0s 70ms/step
>983, dr[0.508,0.866], df[0.228,0.203], g[4.319,0.107]
1/1 [=====] - 0s 74ms/step
>984, dr[0.260,1.717], df[0.466,0.119], g[4.535,0.328]
1/1 [=====] - 0s 66ms/step
>985, dr[0.319,0.918], df[0.379,0.238], g[7.022,0.185]
1/1 [=====] - 0s 71ms/step
>986, dr[0.692,0.495], df[0.107,0.348], g[3.353,0.178]
1/1 [=====] - 0s 71ms/step
>987, dr[0.012,0.437], df[0.673,0.189], g[8.437,0.154]
1/1 [=====] - 0s 70ms/step
```

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>988, dr[0.623,0.846], df[0.121,0.084], g[5.368,0.155]
1/1 [=====] - 0s 73ms/step
>989, dr[0.472,0.186], df[0.175,0.144], g[4.191,0.204]
1/1 [=====] - 0s 71ms/step
>990, dr[0.101,1.054], df[0.443,0.047], g[6.382,0.179]
1/1 [=====] - 0s 68ms/step
>991, dr[1.016,1.849], df[0.267,0.175], g[2.563,0.059]
1/1 [=====] - 0s 76ms/step
>992, dr[0.202,0.549], df[1.027,0.433], g[9.147,0.220]
1/1 [=====] - 0s 73ms/step
>993, dr[2.210,1.300], df[0.839,0.189], g[5.324,0.238]
1/1 [=====] - 0s 69ms/step
>994, dr[0.146,0.955], df[0.362,0.268], g[6.309,0.238]
1/1 [=====] - 0s 74ms/step
>995, dr[0.958,1.408], df[1.280,0.154], g[5.645,0.106]
1/1 [=====] - 0s 88ms/step
>996, dr[0.876,0.498], df[0.324,0.283], g[4.766,0.186]
1/1 [=====] - 0s 94ms/step
>997, dr[0.366,0.704], df[0.401,0.237], g[3.635,0.420]
1/1 [=====] - 0s 91ms/step
>998, dr[0.052,0.895], df[0.290,0.514], g[5.142,0.292]
1/1 [=====] - 0s 87ms/step
>999, dr[0.342,0.785], df[0.054,0.153], g[3.960,0.079]
1/1 [=====] - 0s 84ms/step
>1000, dr[0.233,1.198], df[0.157,0.038], g[1.968,0.428]
1/1 [=====] - 0s 85ms/step
>1001, dr[0.053,0.744], df[1.236,0.209], g[8.376,0.325]
1/1 [=====] - 0s 78ms/step
>1002, dr[2.157,1.394], df[0.134,0.510], g[2.371,0.309]
1/1 [=====] - 0s 82ms/step
>1003, dr[0.079,1.248], df[1.526,0.471], g[7.182,0.228]
1/1 [=====] - 0s 95ms/step
>1004, dr[1.233,1.611], df[0.155,0.115], g[4.526,0.034]
1/1 [=====] - 0s 95ms/step
>1005, dr[0.275,0.928], df[0.808,0.291], g[5.172,0.460]
1/1 [=====] - 0s 90ms/step
>1006, dr[0.570,0.742], df[0.142,0.592], g[4.008,0.473]
1/1 [=====] - 0s 87ms/step
>1007, dr[0.085,1.613], df[0.375,0.261], g[6.601,0.224]
1/1 [=====] - 0s 96ms/step
>1008, dr[1.406,1.075], df[0.580,0.076], g[2.495,0.261]
1/1 [=====] - 0s 79ms/step
>1009, dr[0.153,0.847], df[1.373,0.789], g[8.456,0.175]
1/1 [=====] - 0s 97ms/step
>1010, dr[3.600,1.347], df[0.935,0.185], g[1.335,0.893]
1/1 [=====] - 0s 82ms/step
>1011, dr[0.094,1.008], df[0.976,0.152], g[6.042,0.211]
1/1 [=====] - 0s 79ms/step
>1012, dr[1.192,0.878], df[0.050,0.100], g[2.499,0.155]
1/1 [=====] - 0s 88ms/step
>1013, dr[0.057,0.357], df[0.764,0.093], g[3.557,0.113]
1/1 [=====] - 0s 82ms/step
>1014, dr[0.079,1.773], df[0.130,0.575], g[5.098,0.464]
1/1 [=====] - 0s 113ms/step
>1015, dr[1.022,0.770], df[0.763,0.410], g[2.999,0.124]
1/1 [=====] - 0s 87ms/step
>1016, dr[0.315,0.296], df[0.158,0.005], g[3.413,0.149]
1/1 [=====] - 0s 86ms/step
>1017, dr[0.479,1.420], df[0.530,0.116], g[4.675,1.361]
1/1 [=====] - 0s 100ms/step
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>1018, dr[0.549,1.460], df[0.489,0.560], g[3.437,0.357]
1/1 [=====] - 0s 96ms/step
>1019, dr[0.476,0.886], df[0.434,0.030], g[4.055,0.309]
1/1 [=====] - 0s 83ms/step
>1020, dr[0.541,1.158], df[0.284,0.207], g[2.833,0.138]
1/1 [=====] - 0s 90ms/step
>1021, dr[0.206,0.836], df[0.227,0.181], g[2.614,0.489]
1/1 [=====] - 0s 105ms/step
>1022, dr[0.435,1.390], df[0.515,0.347], g[1.712,0.437]
1/1 [=====] - 0s 116ms/step
>1023, dr[0.111,1.026], df[0.095,0.101], g[2.256,0.580]
1/1 [=====] - 0s 84ms/step
>1024, dr[0.324,0.801], df[0.205,0.065], g[2.481,0.428]
1/1 [=====] - 0s 83ms/step
>1025, dr[0.014,0.540], df[0.231,0.322], g[4.228,0.234]
1/1 [=====] - 0s 86ms/step
>1026, dr[0.430,1.372], df[0.151,0.075], g[2.325,0.745]
1/1 [=====] - 0s 82ms/step
>1027, dr[0.107,0.900], df[0.459,0.020], g[4.872,0.273]
1/1 [=====] - 0s 87ms/step
>1028, dr[0.952,0.532], df[0.985,0.088], g[4.832,0.237]
1/1 [=====] - 0s 81ms/step
>1029, dr[0.698,0.376], df[0.088,0.814], g[3.424,0.543]
1/1 [=====] - 0s 85ms/step
>1030, dr[0.274,1.064], df[1.355,0.242], g[8.226,0.194]
1/1 [=====] - 0s 79ms/step
>1031, dr[1.347,0.718], df[0.087,0.261], g[5.359,0.275]
1/1 [=====] - 0s 76ms/step
>1032, dr[0.537,0.804], df[2.576,0.413], g[6.447,0.553]
1/1 [=====] - 0s 83ms/step
>1033, dr[0.578,0.637], df[0.110,0.141], g[6.879,0.090]
1/1 [=====] - 0s 83ms/step
>1034, dr[0.689,0.901], df[0.718,0.039], g[4.986,0.194]
1/1 [=====] - 0s 83ms/step
>1035, dr[0.495,0.604], df[0.975,0.037], g[3.758,0.123]
1/1 [=====] - 0s 79ms/step
>1036, dr[0.377,1.764], df[0.558,0.133], g[3.389,0.214]
1/1 [=====] - 0s 82ms/step
>1037, dr[0.471,0.210], df[0.703,0.169], g[4.968,0.238]
1/1 [=====] - 0s 70ms/step
>1038, dr[0.759,0.377], df[0.999,0.098], g[5.649,0.252]
1/1 [=====] - 0s 68ms/step
>1039, dr[0.836,1.020], df[0.407,0.010], g[4.922,0.283]
1/1 [=====] - 0s 71ms/step
>1040, dr[0.555,0.465], df[0.414,0.287], g[3.412,0.308]
1/1 [=====] - 0s 79ms/step
>1041, dr[0.243,1.037], df[0.201,0.093], g[3.063,0.417]
1/1 [=====] - 0s 77ms/step
>1042, dr[0.211,0.607], df[0.896,0.007], g[4.993,0.091]
1/1 [=====] - 0s 80ms/step
>1043, dr[0.324,0.428], df[0.131,0.120], g[4.472,0.248]
1/1 [=====] - 0s 80ms/step
>1044, dr[0.967,1.294], df[1.559,0.376], g[3.935,0.287]
1/1 [=====] - 0s 77ms/step
>1045, dr[1.183,1.537], df[0.498,0.511], g[3.836,0.455]
1/1 [=====] - 0s 76ms/step
>1046, dr[0.534,1.346], df[1.131,0.175], g[7.306,0.524]
1/1 [=====] - 0s 75ms/step
>1047, dr[0.842,1.113], df[0.075,0.115], g[3.089,0.710]
1/1 [=====] - 0s 78ms/step
```

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>1048, dr[0.299,0.851], df[0.946,0.327], g[7.000,0.720]
1/1 [=====] - 0s 79ms/step
>1049, dr[0.727,0.626], df[0.162,0.053], g[4.484,0.184]
1/1 [=====] - 0s 74ms/step
>1050, dr[0.245,0.880], df[0.312,0.153], g[4.405,0.168]
1/1 [=====] - 0s 79ms/step
>1051, dr[0.222,0.811], df[0.219,0.059], g[5.362,0.375]
1/1 [=====] - 0s 75ms/step
>1052, dr[0.400,1.271], df[0.539,0.173], g[5.042,0.110]
1/1 [=====] - 0s 77ms/step
>1053, dr[0.621,0.891], df[0.568,0.172], g[3.373,0.309]
1/1 [=====] - 0s 76ms/step
>1054, dr[0.230,0.321], df[0.507,0.344], g[5.444,0.119]
1/1 [=====] - 0s 74ms/step
>1055, dr[0.704,1.024], df[0.432,0.124], g[3.143,0.130]
1/1 [=====] - 0s 81ms/step
>1056, dr[0.271,1.321], df[0.381,0.611], g[4.497,0.165]
1/1 [=====] - 0s 86ms/step
>1057, dr[0.556,0.788], df[0.486,0.074], g[3.453,0.041]
1/1 [=====] - 0s 81ms/step
>1058, dr[0.062,1.275], df[0.328,0.265], g[5.221,0.153]
1/1 [=====] - 0s 84ms/step
>1059, dr[0.806,0.688], df[0.440,0.049], g[3.277,0.714]
1/1 [=====] - 0s 79ms/step
>1060, dr[0.104,1.033], df[0.927,0.493], g[6.067,0.132]
1/1 [=====] - 0s 75ms/step
>1061, dr[0.707,0.680], df[0.116,0.314], g[4.053,0.262]
1/1 [=====] - 0s 80ms/step
>1062, dr[0.262,1.757], df[0.890,0.456], g[4.902,0.144]
1/1 [=====] - 0s 73ms/step
>1063, dr[0.357,0.839], df[0.236,0.172], g[3.775,0.311]
1/1 [=====] - 0s 79ms/step
>1064, dr[0.051,0.418], df[0.269,0.267], g[5.946,0.636]
1/1 [=====] - 0s 76ms/step
>1065, dr[1.085,2.393], df[0.308,0.071], g[2.029,0.390]
1/1 [=====] - 0s 79ms/step
>1066, dr[0.006,0.478], df[0.709,0.200], g[5.652,0.291]
1/1 [=====] - 0s 80ms/step
>1067, dr[0.766,1.776], df[0.279,0.326], g[4.901,0.262]
1/1 [=====] - 0s 86ms/step
>1068, dr[0.281,0.660], df[0.447,0.290], g[5.639,0.387]
1/1 [=====] - 0s 77ms/step
>1069, dr[0.706,0.854], df[0.926,0.469], g[6.321,0.305]
1/1 [=====] - 0s 76ms/step
>1070, dr[0.881,1.569], df[0.269,0.111], g[4.621,0.436]
1/1 [=====] - 0s 77ms/step
>1071, dr[0.479,0.644], df[0.644,0.222], g[4.491,0.289]
1/1 [=====] - 0s 81ms/step
>1072, dr[0.271,1.174], df[0.450,0.235], g[6.397,0.275]
1/1 [=====] - 0s 78ms/step
>1073, dr[0.714,1.628], df[0.769,0.574], g[4.142,0.166]
1/1 [=====] - 0s 74ms/step
>1074, dr[0.164,0.164], df[0.235,0.429], g[6.437,0.174]
1/1 [=====] - 0s 77ms/step
>1075, dr[0.626,0.598], df[0.352,0.215], g[3.965,0.226]
1/1 [=====] - 0s 69ms/step
>1076, dr[0.295,0.398], df[0.236,0.176], g[2.244,0.373]
1/1 [=====] - 0s 73ms/step
>1077, dr[0.260,0.995], df[0.376,0.237], g[4.056,0.460]
1/1 [=====] - 0s 74ms/step
```

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>1078, dr[0.085,0.508], df[0.290,0.466], g[4.963,0.173]
1/1 [=====] - 0s 86ms/step
>1079, dr[0.817,1.498], df[0.452,0.378], g[2.492,0.345]
1/1 [=====] - 0s 77ms/step
>1080, dr[0.125,0.267], df[0.563,0.191], g[4.686,0.177]
1/1 [=====] - 0s 79ms/step
>1081, dr[0.186,0.688], df[0.292,0.125], g[6.120,0.241]
1/1 [=====] - 0s 79ms/step
>1082, dr[0.850,0.752], df[0.763,0.101], g[4.804,0.500]
1/1 [=====] - 0s 77ms/step
>1083, dr[0.425,0.890], df[0.766,0.018], g[5.282,0.177]
1/1 [=====] - 0s 76ms/step
>1084, dr[0.312,1.051], df[0.093,0.082], g[4.317,0.147]
1/1 [=====] - 0s 75ms/step
>1085, dr[0.138,1.050], df[0.219,0.118], g[3.028,0.149]
1/1 [=====] - 0s 74ms/step
>1086, dr[0.161,0.941], df[0.167,0.197], g[3.489,0.124]
1/1 [=====] - 0s 72ms/step
>1087, dr[0.289,1.378], df[0.345,0.281], g[3.426,0.629]
1/1 [=====] - 0s 71ms/step
>1088, dr[0.208,1.188], df[0.296,0.039], g[3.556,0.327]
1/1 [=====] - 0s 78ms/step
>1089, dr[0.356,0.885], df[0.093,0.096], g[1.641,0.099]
1/1 [=====] - 0s 80ms/step
>1090, dr[0.065,0.632], df[0.446,0.065], g[3.220,0.355]
1/1 [=====] - 0s 72ms/step
>1091, dr[0.169,1.116], df[0.058,0.145], g[3.676,0.189]
1/1 [=====] - 0s 71ms/step
>1092, dr[0.230,0.836], df[0.187,0.146], g[2.307,0.172]
1/1 [=====] - 0s 75ms/step
>1093, dr[0.148,0.838], df[0.413,0.037], g[2.935,0.150]
1/1 [=====] - 0s 75ms/step
>1094, dr[0.058,0.676], df[0.092,0.005], g[4.370,0.127]
1/1 [=====] - 0s 72ms/step
>1095, dr[0.729,0.914], df[0.336,0.401], g[2.112,0.291]
1/1 [=====] - 0s 72ms/step
>1096, dr[0.070,1.049], df[0.180,0.058], g[2.361,0.458]
1/1 [=====] - 0s 70ms/step
>1097, dr[0.355,0.677], df[0.719,0.045], g[5.108,0.357]
1/1 [=====] - 0s 75ms/step
>1098, dr[0.456,1.380], df[0.160,0.063], g[3.799,0.199]
1/1 [=====] - 0s 68ms/step
>1099, dr[0.720,0.891], df[1.344,0.706], g[6.006,0.406]
1/1 [=====] - 0s 73ms/step
>1100, dr[0.623,0.412], df[0.068,0.083], g[4.211,0.058]
1/1 [=====] - 0s 78ms/step
>1101, dr[0.644,1.373], df[0.990,0.169], g[5.570,0.239]
1/1 [=====] - 0s 79ms/step
>1102, dr[0.521,0.813], df[0.140,0.165], g[3.696,0.213]
1/1 [=====] - 0s 80ms/step
>1103, dr[0.335,1.126], df[0.185,0.325], g[3.474,0.283]
1/1 [=====] - 0s 76ms/step
>1104, dr[0.069,1.691], df[0.492,0.355], g[6.932,0.313]
1/1 [=====] - 0s 76ms/step
>1105, dr[0.535,1.006], df[0.118,0.258], g[4.482,0.673]
1/1 [=====] - 0s 77ms/step
>1106, dr[0.108,2.303], df[0.213,0.204], g[3.075,0.362]
1/1 [=====] - 0s 77ms/step
>1107, dr[0.178,1.266], df[0.406,0.033], g[5.050,0.180]
1/1 [=====] - 0s 84ms/step
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>1108, dr[0.313,1.608], df[0.083,0.197], g[5.071,0.216]
1/1 [=====] - 0s 77ms/step
>1109, dr[0.394,1.406], df[0.258,0.217], g[3.855,0.134]
1/1 [=====] - 0s 76ms/step
>1110, dr[0.092,0.740], df[0.278,0.098], g[6.038,0.177]
1/1 [=====] - 0s 79ms/step
>1111, dr[0.192,1.355], df[0.120,0.620], g[5.491,0.167]
1/1 [=====] - 0s 80ms/step
>1112, dr[0.459,1.156], df[0.345,0.219], g[4.481,0.472]
1/1 [=====] - 0s 78ms/step
>1113, dr[0.237,1.254], df[0.433,0.072], g[5.616,0.446]
1/1 [=====] - 0s 78ms/step
>1114, dr[0.400,0.787], df[0.206,0.109], g[4.049,0.158]
1/1 [=====] - 0s 86ms/step
>1115, dr[0.144,0.890], df[0.543,0.175], g[5.903,0.123]
1/1 [=====] - 0s 76ms/step
>1116, dr[0.622,1.564], df[0.374,0.236], g[3.605,0.108]
1/1 [=====] - 0s 92ms/step
>1117, dr[0.422,1.276], df[1.105,0.440], g[6.054,0.045]
1/1 [=====] - 0s 76ms/step
>1118, dr[0.445,1.249], df[0.131,0.117], g[5.063,0.329]
1/1 [=====] - 0s 78ms/step
>1119, dr[0.941,0.841], df[0.693,0.294], g[4.365,0.139]
1/1 [=====] - 0s 80ms/step
>1120, dr[0.307,0.443], df[0.324,0.302], g[6.820,0.302]
1/1 [=====] - 0s 76ms/step
>1121, dr[0.768,0.826], df[0.679,0.133], g[4.443,0.351]
1/1 [=====] - 0s 78ms/step
>1122, dr[0.505,1.064], df[0.293,0.156], g[4.888,0.190]
1/1 [=====] - 0s 76ms/step
>1123, dr[0.266,0.950], df[0.202,0.490], g[4.250,0.359]
1/1 [=====] - 0s 75ms/step
>1124, dr[0.270,1.235], df[0.387,0.315], g[5.389,0.249]
1/1 [=====] - 0s 74ms/step
>1125, dr[0.145,0.823], df[0.041,0.032], g[5.867,0.413]
1/1 [=====] - 0s 79ms/step
>1126, dr[0.382,0.970], df[0.508,0.190], g[4.482,0.203]
1/1 [=====] - 0s 78ms/step
>1127, dr[0.108,0.323], df[0.068,0.034], g[5.761,0.171]
1/1 [=====] - 0s 78ms/step
>1128, dr[0.453,0.493], df[0.529,0.308], g[4.098,0.121]
1/1 [=====] - 0s 77ms/step
>1129, dr[0.037,0.681], df[0.063,0.264], g[5.527,0.148]
1/1 [=====] - 0s 79ms/step
>1130, dr[0.166,0.928], df[0.138,0.375], g[4.763,0.178]
1/1 [=====] - 0s 76ms/step
>1131, dr[0.357,0.867], df[0.283,0.049], g[2.956,0.195]
1/1 [=====] - 0s 78ms/step
>1132, dr[0.036,1.296], df[0.650,0.424], g[5.985,0.281]
1/1 [=====] - 0s 74ms/step
>1133, dr[0.710,0.826], df[0.312,0.177], g[4.134,0.204]
1/1 [=====] - 0s 78ms/step
>1134, dr[0.249,0.757], df[0.560,0.162], g[4.028,0.188]
1/1 [=====] - 0s 78ms/step
>1135, dr[0.590,0.930], df[0.394,0.089], g[3.992,0.270]
1/1 [=====] - 0s 77ms/step
>1136, dr[0.132,1.953], df[0.171,0.055], g[4.453,0.512]
1/1 [=====] - 0s 78ms/step
>1137, dr[0.258,0.827], df[0.273,0.094], g[4.277,0.265]
1/1 [=====] - 0s 80ms/step
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>1138, dr[0.175,1.899], df[0.378,0.128], g[5.747,0.250]
1/1 [=====] - 0s 76ms/step
>1139, dr[0.387,0.774], df[0.347,0.072], g[4.895,0.385]
1/1 [=====] - 0s 78ms/step
>1140, dr[0.220,1.433], df[0.337,0.064], g[4.915,0.385]
1/1 [=====] - 0s 77ms/step
>1141, dr[0.221,0.948], df[0.133,0.300], g[4.908,0.170]
1/1 [=====] - 0s 78ms/step
>1142, dr[0.134,1.853], df[0.432,0.164], g[6.354,0.088]
1/1 [=====] - 0s 80ms/step
>1143, dr[0.415,0.848], df[0.399,0.387], g[5.633,0.229]
1/1 [=====] - 0s 70ms/step
>1144, dr[0.529,0.464], df[0.257,0.097], g[3.735,0.145]
1/1 [=====] - 0s 65ms/step
>1145, dr[0.351,1.375], df[1.070,0.490], g[7.399,0.385]
1/1 [=====] - 0s 70ms/step
>1146, dr[0.710,1.271], df[0.027,0.398], g[5.144,0.086]
1/1 [=====] - 0s 67ms/step
>1147, dr[0.078,0.939], df[0.115,0.336], g[3.986,0.236]
1/1 [=====] - 0s 73ms/step
>1148, dr[0.144,0.356], df[0.283,0.187], g[5.570,0.022]
1/1 [=====] - 0s 72ms/step
>1149, dr[0.163,1.043], df[0.121,0.656], g[4.878,0.102]
1/1 [=====] - 0s 97ms/step
>1150, dr[0.294,1.057], df[0.439,0.220], g[4.438,0.180]
1/1 [=====] - 0s 75ms/step
>1151, dr[0.208,0.669], df[0.209,0.097], g[6.168,0.173]
1/1 [=====] - 0s 75ms/step
>1152, dr[0.535,1.103], df[0.489,0.148], g[4.148,0.179]
1/1 [=====] - 0s 73ms/step
>1153, dr[0.267,1.528], df[0.268,0.256], g[4.656,0.130]
1/1 [=====] - 0s 73ms/step
>1154, dr[0.497,1.147], df[0.245,0.029], g[2.437,0.093]
1/1 [=====] - 0s 73ms/step
>1155, dr[0.292,0.801], df[0.669,0.076], g[3.984,0.089]
1/1 [=====] - 0s 69ms/step
>1156, dr[0.125,1.519], df[0.204,0.225], g[6.577,0.112]
1/1 [=====] - 0s 79ms/step
>1157, dr[0.767,0.276], df[0.628,0.236], g[6.270,0.224]
1/1 [=====] - 0s 77ms/step
>1158, dr[0.470,0.796], df[0.398,0.017], g[6.233,0.392]
1/1 [=====] - 0s 77ms/step
>1159, dr[0.519,0.304], df[0.335,0.333], g[4.940,0.271]
1/1 [=====] - 0s 70ms/step
>1160, dr[0.249,0.522], df[0.139,0.035], g[4.779,0.306]
1/1 [=====] - 0s 74ms/step
>1161, dr[0.073,0.616], df[0.066,0.400], g[3.836,0.128]
1/1 [=====] - 0s 74ms/step
>1162, dr[0.504,1.462], df[1.136,0.238], g[6.703,0.212]
1/1 [=====] - 0s 70ms/step
>1163, dr[1.609,1.259], df[0.605,0.915], g[4.669,0.468]
1/1 [=====] - 0s 71ms/step
>1164, dr[0.312,1.706], df[0.516,0.172], g[4.955,0.344]
1/1 [=====] - 0s 74ms/step
>1165, dr[0.249,0.637], df[0.233,0.268], g[5.282,0.087]
1/1 [=====] - 0s 69ms/step
>1166, dr[0.638,1.119], df[0.972,0.118], g[5.135,0.122]
1/1 [=====] - 0s 76ms/step
>1167, dr[0.656,1.037], df[0.223,0.306], g[4.980,0.282]
1/1 [=====] - 0s 71ms/step
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>1168, dr[0.720,0.868], df[0.912,0.154], g[4.985,0.094]
1/1 [=====] - 0s 72ms/step
>1169, dr[0.233,0.841], df[0.203,0.032], g[5.827,0.596]
1/1 [=====] - 0s 75ms/step
>1170, dr[0.448,0.859], df[0.682,0.356], g[4.547,0.245]
1/1 [=====] - 0s 72ms/step
>1171, dr[0.164,1.473], df[0.114,0.070], g[4.604,0.158]
1/1 [=====] - 0s 74ms/step
>1172, dr[0.271,2.057], df[0.303,0.150], g[5.523,0.171]
1/1 [=====] - 0s 73ms/step
>1173, dr[0.237,1.057], df[0.221,0.080], g[4.480,0.274]
1/1 [=====] - 0s 73ms/step
>1174, dr[0.360,0.901], df[0.568,0.262], g[6.103,0.131]
1/1 [=====] - 0s 72ms/step
>1175, dr[0.591,0.795], df[0.139,0.089], g[4.000,0.117]
1/1 [=====] - 0s 70ms/step
>1176, dr[0.092,0.963], df[0.158,0.246], g[4.582,0.224]
1/1 [=====] - 0s 78ms/step
>1177, dr[0.463,1.278], df[0.503,0.111], g[4.698,0.229]
1/1 [=====] - 0s 75ms/step
>1178, dr[0.068,0.458], df[0.051,0.599], g[6.167,0.160]
1/1 [=====] - 0s 78ms/step
>1179, dr[0.376,1.155], df[0.304,0.700], g[5.307,0.489]
1/1 [=====] - 0s 79ms/step
>1180, dr[0.191,0.732], df[0.382,0.278], g[6.910,0.064]
1/1 [=====] - 0s 72ms/step
>1181, dr[0.757,1.433], df[0.376,0.546], g[3.917,0.367]
1/1 [=====] - 0s 74ms/step
>1182, dr[0.317,1.263], df[0.375,0.142], g[5.694,0.069]
1/1 [=====] - 0s 83ms/step
>1183, dr[0.357,0.917], df[0.074,0.399], g[4.969,0.234]
1/1 [=====] - 0s 83ms/step
>1184, dr[0.132,0.747], df[0.169,0.045], g[5.432,0.500]
1/1 [=====] - 0s 76ms/step
>1185, dr[0.210,0.647], df[0.490,0.215], g[7.174,0.095]
1/1 [=====] - 0s 76ms/step
>1186, dr[0.868,0.642], df[0.347,0.039], g[4.572,0.252]
1/1 [=====] - 0s 79ms/step
>1187, dr[0.416,1.060], df[0.838,0.374], g[6.117,0.106]
1/1 [=====] - 0s 78ms/step
>1188, dr[0.347,1.219], df[0.101,0.128], g[6.737,0.416]
1/1 [=====] - 0s 75ms/step
>1189, dr[0.335,1.385], df[0.111,0.051], g[4.062,0.214]
1/1 [=====] - 0s 76ms/step
>1190, dr[0.191,0.732], df[0.518,0.204], g[5.401,0.479]
1/1 [=====] - 0s 79ms/step
>1191, dr[0.523,1.635], df[0.421,0.097], g[4.577,0.177]
1/1 [=====] - 0s 76ms/step
>1192, dr[0.102,1.071], df[0.247,0.208], g[5.808,0.126]
1/1 [=====] - 0s 78ms/step
>1193, dr[0.239,1.186], df[0.097,0.238], g[4.080,0.418]
1/1 [=====] - 0s 73ms/step
>1194, dr[0.245,0.910], df[0.775,0.301], g[6.827,0.124]
1/1 [=====] - 0s 76ms/step
>1195, dr[0.545,0.757], df[0.137,0.142], g[3.847,0.091]
1/1 [=====] - 0s 71ms/step
>1196, dr[0.141,0.739], df[0.579,0.157], g[5.380,0.248]
1/1 [=====] - 0s 71ms/step
>1197, dr[0.204,1.312], df[0.013,0.170], g[6.257,0.343]
1/1 [=====] - 0s 75ms/step
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>1198, dr[1.003,0.648], df[1.123,0.239], g[4.107,0.315]
1/1 [=====] - 0s 76ms/step
>1199, dr[0.369,0.454], df[0.346,0.051], g[5.012,0.084]
1/1 [=====] - 0s 82ms/step
>1200, dr[0.307,1.470], df[0.295,0.536], g[5.453,0.171]
1/1 [=====] - 0s 89ms/step
>1201, dr[0.185,1.090], df[0.288,0.130], g[6.076,0.210]
1/1 [=====] - 0s 79ms/step
>1202, dr[0.480,1.252], df[0.095,0.594], g[3.733,0.106]
1/1 [=====] - 0s 78ms/step
>1203, dr[0.326,1.224], df[1.370,0.303], g[8.707,0.302]
1/1 [=====] - 0s 73ms/step
>1204, dr[1.222,0.498], df[0.164,0.197], g[3.733,0.236]
1/1 [=====] - 0s 74ms/step
>1205, dr[0.482,1.319], df[1.455,0.073], g[4.521,0.290]
1/1 [=====] - 0s 76ms/step
>1206, dr[0.089,0.693], df[0.096,0.343], g[7.028,0.164]
1/1 [=====] - 0s 81ms/step
>1207, dr[0.764,1.030], df[0.656,0.124], g[3.630,0.271]
1/1 [=====] - 0s 73ms/step
>1208, dr[0.321,0.672], df[0.696,0.018], g[4.808,0.148]
1/1 [=====] - 0s 86ms/step
>1209, dr[0.404,2.076], df[0.097,0.508], g[3.652,0.269]
1/1 [=====] - 0s 76ms/step
>1210, dr[0.046,1.281], df[0.304,0.741], g[4.529,0.180]
1/1 [=====] - 0s 88ms/step
>1211, dr[0.185,0.904], df[0.240,0.287], g[5.254,0.400]
1/1 [=====] - 0s 84ms/step
>1212, dr[0.453,0.709], df[0.174,0.382], g[2.745,0.343]
1/1 [=====] - 0s 88ms/step
>1213, dr[0.059,0.730], df[0.047,0.511], g[3.160,0.406]
1/1 [=====] - 0s 88ms/step
>1214, dr[0.194,1.662], df[0.286,0.035], g[2.819,0.326]
1/1 [=====] - 0s 94ms/step
>1215, dr[0.536,0.627], df[1.075,0.169], g[5.887,0.128]
1/1 [=====] - 0s 77ms/step
>1216, dr[0.484,1.885], df[0.163,0.165], g[4.536,0.726]
1/1 [=====] - 0s 91ms/step
>1217, dr[0.607,0.619], df[0.482,0.121], g[5.199,0.592]
1/1 [=====] - 0s 74ms/step
>1218, dr[0.491,1.335], df[0.530,0.157], g[7.320,0.116]
1/1 [=====] - 0s 73ms/step
>1219, dr[0.791,0.999], df[0.114,0.393], g[3.512,0.231]
1/1 [=====] - 0s 72ms/step
>1220, dr[0.140,1.176], df[0.721,0.627], g[5.174,0.197]
1/1 [=====] - 0s 72ms/step
>1221, dr[0.390,1.902], df[0.103,0.098], g[4.057,0.394]
1/1 [=====] - 0s 73ms/step
>1222, dr[0.147,0.902], df[0.528,0.029], g[5.640,0.232]
1/1 [=====] - 0s 78ms/step
>1223, dr[0.347,1.720], df[0.105,0.166], g[4.053,0.288]
1/1 [=====] - 0s 73ms/step
>1224, dr[0.238,0.810], df[0.271,0.084], g[3.956,0.287]
1/1 [=====] - 0s 75ms/step
>1225, dr[0.091,0.598], df[0.091,0.168], g[4.532,0.042]
1/1 [=====] - 0s 68ms/step
>1226, dr[0.372,1.452], df[0.135,0.067], g[2.559,0.262]
1/1 [=====] - 0s 70ms/step
>1227, dr[0.123,0.363], df[0.806,0.036], g[6.125,0.186]
1/1 [=====] - 0s 88ms/step
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>1228, dr[0.668,1.621], df[0.165,0.627], g[2.784,0.233]
1/1 [=====] - 0s 73ms/step
>1229, dr[0.125,0.726], df[0.384,0.189], g[5.116,0.388]
1/1 [=====] - 0s 81ms/step
>1230, dr[0.409,1.185], df[0.125,0.137], g[3.913,0.244]
1/1 [=====] - 0s 81ms/step
>1231, dr[0.088,0.969], df[0.389,0.523], g[6.178,0.077]
1/1 [=====] - 0s 74ms/step
>1232, dr[0.607,0.674], df[0.175,0.155], g[4.642,0.066]
1/1 [=====] - 0s 76ms/step
>1233, dr[0.401,0.749], df[0.372,0.346], g[3.817,0.196]
1/1 [=====] - 0s 67ms/step
>1234, dr[0.107,1.845], df[0.115,0.071], g[4.778,0.344]
1/1 [=====] - 0s 74ms/step
>1235, dr[0.225,1.359], df[0.190,0.236], g[3.731,0.288]
1/1 [=====] - 0s 81ms/step
>1236, dr[0.236,0.279], df[0.270,0.181], g[4.193,0.196]
1/1 [=====] - 0s 76ms/step
>1237, dr[0.233,0.580], df[0.145,0.474], g[5.106,0.084]
1/1 [=====] - 0s 79ms/step
>1238, dr[0.779,1.124], df[1.689,0.144], g[6.148,0.480]
1/1 [=====] - 0s 75ms/step
>1239, dr[0.700,0.671], df[0.041,0.194], g[5.191,0.130]
1/1 [=====] - 0s 78ms/step
>1240, dr[0.387,0.853], df[0.543,0.017], g[3.994,0.180]
1/1 [=====] - 0s 82ms/step
>1241, dr[0.160,0.937], df[0.165,0.348], g[4.045,0.279]
1/1 [=====] - 0s 75ms/step
>1242, dr[0.124,0.569], df[0.056,0.128], g[4.145,0.290]
1/1 [=====] - 0s 86ms/step
>1243, dr[0.183,0.114], df[0.623,0.051], g[6.345,0.226]
1/1 [=====] - 0s 82ms/step
>1244, dr[0.414,0.607], df[0.250,0.457], g[4.957,0.200]
1/1 [=====] - 0s 77ms/step
>1245, dr[0.472,1.367], df[0.478,0.136], g[2.573,0.450]
1/1 [=====] - 0s 86ms/step
>1246, dr[0.230,1.294], df[0.378,0.075], g[5.007,0.348]
1/1 [=====] - 0s 75ms/step
>1247, dr[0.421,0.676], df[0.366,0.249], g[5.018,0.102]
1/1 [=====] - 0s 79ms/step
>1248, dr[0.262,0.928], df[0.342,0.025], g[4.985,0.144]
1/1 [=====] - 0s 79ms/step
>1249, dr[0.378,0.622], df[0.306,0.719], g[4.787,0.113]
1/1 [=====] - 0s 80ms/step
>1250, dr[0.105,1.561], df[0.161,0.271], g[5.696,0.374]
1/1 [=====] - 0s 73ms/step
>1251, dr[0.337,1.232], df[0.212,0.595], g[3.829,0.320]
1/1 [=====] - 0s 73ms/step
>1252, dr[0.255,0.962], df[0.167,0.210], g[3.459,0.326]
1/1 [=====] - 0s 74ms/step
>1253, dr[0.198,0.462], df[0.320,0.521], g[5.516,0.133]
1/1 [=====] - 0s 76ms/step
>1254, dr[0.362,0.827], df[0.216,0.037], g[5.019,0.251]
1/1 [=====] - 0s 73ms/step
>1255, dr[0.360,2.158], df[0.478,0.277], g[4.664,0.434]
1/1 [=====] - 0s 69ms/step
>1256, dr[0.467,0.816], df[0.335,0.211], g[5.089,0.350]
1/1 [=====] - 0s 69ms/step
>1257, dr[0.390,1.552], df[0.060,0.226], g[4.207,0.157]
1/1 [=====] - 0s 77ms/step
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>1258, dr[0.133,1.351], df[0.584,0.061], g[5.634,0.086]
1/1 [=====] - 0s 73ms/step
>1259, dr[0.500,0.624], df[0.102,0.096], g[4.613,0.286]
1/1 [=====] - 0s 81ms/step
>1260, dr[0.260,0.567], df[0.488,0.112], g[3.625,0.133]
1/1 [=====] - 0s 77ms/step
>1261, dr[0.109,0.637], df[0.150,0.006], g[4.707,0.043]
1/1 [=====] - 0s 77ms/step
>1262, dr[0.301,1.175], df[0.160,0.007], g[4.001,0.322]
1/1 [=====] - 0s 77ms/step
>1263, dr[0.111,0.527], df[0.281,0.089], g[5.611,0.070]
1/1 [=====] - 0s 76ms/step
>1264, dr[0.624,0.174], df[0.495,0.134], g[5.673,0.203]
1/1 [=====] - 0s 77ms/step
>1265, dr[0.367,0.484], df[0.174,0.168], g[5.013,0.347]
1/1 [=====] - 0s 71ms/step
>1266, dr[0.310,0.196], df[0.241,0.354], g[4.496,0.294]
1/1 [=====] - 0s 70ms/step
>1267, dr[0.322,1.227], df[0.299,0.096], g[3.815,0.264]
1/1 [=====] - 0s 72ms/step
>1268, dr[0.131,0.872], df[0.094,0.099], g[4.959,0.230]
1/1 [=====] - 0s 72ms/step
>1269, dr[0.149,1.381], df[0.597,0.062], g[6.308,0.336]
1/1 [=====] - 0s 76ms/step
>1270, dr[0.693,1.159], df[0.251,0.242], g[4.485,0.137]
1/1 [=====] - 0s 73ms/step
>1271, dr[0.257,0.981], df[0.504,0.136], g[5.180,0.489]
1/1 [=====] - 0s 85ms/step
>1272, dr[0.284,1.067], df[0.646,0.361], g[7.255,0.254]
1/1 [=====] - 0s 68ms/step
>1273, dr[1.204,0.312], df[0.247,0.053], g[3.201,0.177]
1/1 [=====] - 0s 75ms/step
>1274, dr[0.006,0.636], df[0.399,0.024], g[5.356,0.188]
1/1 [=====] - 0s 74ms/step
>1275, dr[0.114,0.983], df[0.103,0.093], g[6.746,0.188]
1/1 [=====] - 0s 94ms/step
>1276, dr[0.496,0.699], df[0.436,0.103], g[4.471,0.193]
1/1 [=====] - 0s 77ms/step
>1277, dr[0.068,0.712], df[0.079,0.032], g[5.413,0.110]
1/1 [=====] - 0s 78ms/step
>1278, dr[0.275,0.626], df[0.219,0.114], g[4.071,0.348]
1/1 [=====] - 0s 72ms/step
>1279, dr[0.191,0.710], df[0.172,0.256], g[4.643,0.236]
1/1 [=====] - 0s 72ms/step
>1280, dr[0.005,0.415], df[0.084,0.094], g[6.448,0.172]
1/1 [=====] - 0s 72ms/step
>1281, dr[0.529,1.293], df[0.396,0.126], g[3.342,0.286]
1/1 [=====] - 0s 79ms/step
>1282, dr[0.090,1.399], df[0.386,0.256], g[5.796,0.306]
1/1 [=====] - 0s 78ms/step
>1283, dr[0.212,1.448], df[0.078,0.208], g[3.778,0.425]
1/1 [=====] - 0s 79ms/step
>1284, dr[0.234,1.115], df[0.768,0.289], g[5.210,0.263]
1/1 [=====] - 0s 84ms/step
>1285, dr[0.851,2.089], df[0.595,0.357], g[3.772,0.417]
1/1 [=====] - 0s 80ms/step
>1286, dr[0.070,0.680], df[0.430,0.257], g[7.695,0.118]
1/1 [=====] - 0s 78ms/step
>1287, dr[1.555,0.619], df[1.965,0.501], g[8.369,0.051]
1/1 [=====] - 0s 84ms/step
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>1288, dr[0.933,1.508], df[0.078,1.075], g[4.842,0.136]
1/1 [=====] - 0s 81ms/step
>1289, dr[0.054,0.638], df[0.186,0.152], g[5.174,0.130]
1/1 [=====] - 0s 82ms/step
>1290, dr[0.154,1.283], df[0.381,0.626], g[5.837,0.284]
1/1 [=====] - 0s 81ms/step
>1291, dr[0.496,1.984], df[0.408,0.724], g[5.448,0.198]
1/1 [=====] - 0s 77ms/step
>1292, dr[0.694,0.874], df[0.569,0.251], g[5.067,0.107]
1/1 [=====] - 0s 83ms/step
>1293, dr[0.319,1.351], df[0.278,0.451], g[4.197,0.111]
1/1 [=====] - 0s 84ms/step
>1294, dr[0.271,1.604], df[0.246,0.395], g[3.431,0.064]
1/1 [=====] - 0s 74ms/step
>1295, dr[0.093,1.705], df[0.354,0.344], g[5.687,0.061]
1/1 [=====] - 0s 77ms/step
>1296, dr[0.194,0.882], df[0.056,0.193], g[5.382,0.115]
1/1 [=====] - 0s 85ms/step
>1297, dr[0.424,1.727], df[0.602,0.393], g[4.833,0.155]
1/1 [=====] - 0s 76ms/step
>1298, dr[0.158,0.308], df[0.111,0.226], g[5.763,0.039]
1/1 [=====] - 0s 86ms/step
>1299, dr[0.424,0.737], df[0.938,0.040], g[5.676,0.217]
1/1 [=====] - 0s 78ms/step
>1300, dr[0.354,0.514], df[0.121,0.335], g[5.235,0.455]
1/1 [=====] - 0s 84ms/step
>1301, dr[0.173,0.764], df[0.226,0.461], g[4.841,0.165]
1/1 [=====] - 0s 80ms/step
>1302, dr[0.346,0.538], df[0.312,0.135], g[4.768,0.233]
1/1 [=====] - 0s 83ms/step
>1303, dr[0.357,1.332], df[0.168,0.412], g[3.513,0.133]
1/1 [=====] - 0s 82ms/step
>1304, dr[0.113,0.485], df[0.438,0.217], g[5.282,0.370]
1/1 [=====] - 0s 80ms/step
>1305, dr[0.490,1.360], df[0.194,0.158], g[3.406,0.071]
1/1 [=====] - 0s 89ms/step
>1306, dr[0.116,0.870], df[0.309,0.598], g[5.663,0.253]
1/1 [=====] - 0s 84ms/step
>1307, dr[0.450,0.869], df[0.703,0.222], g[5.418,0.190]
1/1 [=====] - 0s 78ms/step
>1308, dr[0.192,1.388], df[0.051,0.134], g[6.094,0.338]
1/1 [=====] - 0s 82ms/step
>1309, dr[1.224,1.998], df[1.285,0.108], g[4.291,0.297]
1/1 [=====] - 0s 83ms/step
>1310, dr[0.314,1.049], df[0.387,0.256], g[6.361,0.166]
1/1 [=====] - 0s 89ms/step
>1311, dr[0.445,0.715], df[0.418,0.387], g[4.729,0.246]
1/1 [=====] - 0s 72ms/step
>1312, dr[0.098,0.746], df[0.204,0.366], g[6.581,0.577]
1/1 [=====] - 0s 77ms/step
>1313, dr[0.749,1.188], df[0.784,0.134], g[4.712,0.306]
1/1 [=====] - 0s 78ms/step
>1314, dr[0.214,1.049], df[0.143,0.201], g[5.176,0.130]
1/1 [=====] - 0s 80ms/step
>1315, dr[0.779,1.313], df[1.097,0.452], g[4.945,0.706]
1/1 [=====] - 0s 77ms/step
>1316, dr[0.284,0.846], df[0.152,0.460], g[6.458,0.271]
1/1 [=====] - 0s 79ms/step
>1317, dr[0.449,1.812], df[0.249,0.458], g[3.835,0.571]
1/1 [=====] - 0s 78ms/step
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>1318, dr[0.081,0.671], df[0.169,0.500], g[3.404,0.104]
1/1 [=====] - 0s 77ms/step
>1319, dr[0.078,1.186], df[0.539,0.398], g[8.388,0.473]
1/1 [=====] - 0s 79ms/step
>1320, dr[0.926,1.806], df[0.224,0.166], g[3.829,0.197]
1/1 [=====] - 0s 79ms/step
>1321, dr[0.160,1.067], df[0.131,0.130], g[3.389,0.245]
1/1 [=====] - 0s 87ms/step
>1322, dr[0.129,0.430], df[0.390,0.109], g[4.973,0.608]
1/1 [=====] - 0s 76ms/step
>1323, dr[0.258,0.796], df[0.258,0.059], g[4.986,0.557]
1/1 [=====] - 0s 79ms/step
>1324, dr[0.487,0.929], df[0.123,0.348], g[3.237,0.292]
1/1 [=====] - 0s 73ms/step
>1325, dr[0.037,0.683], df[0.336,0.257], g[4.626,0.383]
1/1 [=====] - 0s 74ms/step
>1326, dr[0.492,0.625], df[0.237,0.086], g[4.244,0.107]
1/1 [=====] - 0s 75ms/step
>1327, dr[0.168,1.401], df[0.211,0.157], g[3.515,0.338]
1/1 [=====] - 0s 76ms/step
>1328, dr[0.054,0.738], df[0.300,0.561], g[6.388,0.224]
1/1 [=====] - 0s 77ms/step
>1329, dr[0.776,1.356], df[0.412,0.256], g[4.987,0.191]
1/1 [=====] - 0s 72ms/step
>1330, dr[0.356,1.586], df[0.261,1.025], g[4.546,0.221]
1/1 [=====] - 0s 73ms/step
>1331, dr[0.161,0.612], df[0.034,0.252], g[3.833,0.127]
1/1 [=====] - 0s 73ms/step
>1332, dr[0.068,0.793], df[0.210,0.556], g[3.884,0.219]
1/1 [=====] - 0s 72ms/step
>1333, dr[0.508,1.051], df[0.659,0.115], g[5.375,1.099]
1/1 [=====] - 0s 74ms/step
>1334, dr[0.474,0.350], df[0.348,0.023], g[5.845,0.376]
1/1 [=====] - 0s 77ms/step
>1335, dr[0.502,1.144], df[0.195,0.293], g[4.277,0.203]
1/1 [=====] - 0s 72ms/step
>1336, dr[0.193,0.550], df[0.310,0.258], g[4.339,0.086]
1/1 [=====] - 0s 78ms/step
>1337, dr[0.249,0.857], df[0.099,0.236], g[3.828,0.120]
1/1 [=====] - 0s 71ms/step
>1338, dr[0.108,2.101], df[0.207,0.224], g[3.534,0.151]
1/1 [=====] - 0s 79ms/step
>1339, dr[0.376,1.128], df[0.774,0.212], g[6.241,0.617]
1/1 [=====] - 0s 82ms/step
>1340, dr[0.417,0.831], df[0.028,0.217], g[5.447,0.245]
1/1 [=====] - 0s 70ms/step
>1341, dr[0.828,0.959], df[0.793,0.232], g[3.112,0.256]
1/1 [=====] - 0s 77ms/step
>1342, dr[0.051,0.276], df[0.172,0.050], g[6.442,0.221]
1/1 [=====] - 0s 75ms/step
>1343, dr[1.180,1.155], df[1.411,0.270], g[5.293,0.261]
1/1 [=====] - 0s 77ms/step
>1344, dr[0.149,1.541], df[0.092,0.059], g[6.668,0.368]
1/1 [=====] - 0s 74ms/step
>1345, dr[0.825,0.866], df[0.342,0.418], g[2.885,0.100]
1/1 [=====] - 0s 72ms/step
>1346, dr[0.189,0.081], df[0.334,0.144], g[4.372,0.062]
1/1 [=====] - 0s 74ms/step
>1347, dr[0.299,0.903], df[0.404,0.099], g[5.641,0.183]
1/1 [=====] - 0s 73ms/step
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>1348, dr[0.329,0.781], df[0.115,0.205], g[4.951,0.372]
1/1 [=====] - 0s 74ms/step
>1349, dr[0.133,0.742], df[0.164,0.106], g[4.207,0.176]
1/1 [=====] - 0s 72ms/step
>1350, dr[0.040,0.471], df[0.154,0.098], g[6.057,0.142]
1/1 [=====] - 0s 72ms/step
>1351, dr[0.441,0.406], df[0.541,0.382], g[4.957,0.362]
1/1 [=====] - 0s 75ms/step
>1352, dr[0.312,1.704], df[0.182,0.379], g[5.255,0.148]
1/1 [=====] - 0s 70ms/step
>1353, dr[0.432,0.273], df[0.419,0.303], g[4.290,0.186]
1/1 [=====] - 0s 73ms/step
>1354, dr[0.088,0.269], df[0.152,0.168], g[6.205,0.075]
1/1 [=====] - 0s 74ms/step
>1355, dr[0.700,0.505], df[0.686,0.155], g[4.947,0.148]
1/1 [=====] - 0s 84ms/step
>1356, dr[0.493,1.010], df[0.202,0.054], g[4.918,0.261]
1/1 [=====] - 0s 74ms/step
>1357, dr[0.044,0.995], df[0.217,0.039], g[6.754,0.038]
1/1 [=====] - 0s 79ms/step
>1358, dr[0.322,1.890], df[0.199,0.248], g[4.468,0.238]
1/1 [=====] - 0s 76ms/step
>1359, dr[0.140,1.337], df[0.643,0.345], g[6.763,0.029]
1/1 [=====] - 0s 79ms/step
>1360, dr[1.831,1.383], df[0.762,0.362], g[3.772,0.256]
1/1 [=====] - 0s 81ms/step
>1361, dr[0.187,1.062], df[0.457,0.321], g[7.057,0.230]
1/1 [=====] - 0s 76ms/step
>1362, dr[0.889,1.764], df[0.511,0.118], g[3.285,0.149]
1/1 [=====] - 0s 89ms/step
>1363, dr[0.153,1.672], df[0.262,0.480], g[4.407,0.129]
1/1 [=====] - 0s 78ms/step
>1364, dr[0.288,0.725], df[0.152,0.094], g[4.347,0.256]
1/1 [=====] - 0s 85ms/step
>1365, dr[0.234,1.232], df[0.461,0.204], g[5.350,0.388]
1/1 [=====] - 0s 92ms/step
>1366, dr[0.213,0.620], df[0.067,0.290], g[5.634,0.147]
1/1 [=====] - 0s 81ms/step
>1367, dr[0.233,1.059], df[0.228,0.170], g[4.713,0.247]
1/1 [=====] - 0s 83ms/step
>1368, dr[0.406,0.427], df[0.577,0.259], g[4.722,0.265]
1/1 [=====] - 0s 95ms/step
>1369, dr[0.114,0.608], df[0.104,0.467], g[6.024,0.038]
1/1 [=====] - 0s 92ms/step
>1370, dr[0.621,1.517], df[0.990,0.229], g[7.202,0.561]
1/1 [=====] - 0s 81ms/step
>1371, dr[0.677,1.422], df[0.058,0.069], g[5.105,0.222]
1/1 [=====] - 0s 77ms/step
>1372, dr[0.357,0.595], df[0.571,0.177], g[3.587,0.151]
1/1 [=====] - 0s 78ms/step
>1373, dr[0.256,0.512], df[0.358,0.239], g[5.152,0.107]
1/1 [=====] - 0s 80ms/step
>1374, dr[0.355,0.829], df[0.124,0.157], g[4.268,0.091]
1/1 [=====] - 0s 80ms/step
>1375, dr[0.241,1.287], df[0.234,0.209], g[4.348,0.148]
1/1 [=====] - 0s 74ms/step
>1376, dr[0.117,0.574], df[0.183,0.142], g[4.644,0.184]
1/1 [=====] - 0s 76ms/step
>1377, dr[0.409,1.205], df[0.314,0.533], g[3.767,0.068]
1/1 [=====] - 0s 74ms/step
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>1378, dr[0.129,1.258], df[0.094,0.014], g[5.035,0.184]
1/1 [=====] - 0s 83ms/step
>1379, dr[0.207,1.404], df[0.548,0.135], g[6.209,0.209]
1/1 [=====] - 0s 84ms/step
>1380, dr[0.413,1.632], df[0.059,0.105], g[5.316,0.301]
1/1 [=====] - 0s 83ms/step
>1381, dr[0.506,0.887], df[0.589,0.451], g[4.051,0.213]
1/1 [=====] - 0s 74ms/step
>1382, dr[0.267,1.261], df[0.054,0.154], g[4.419,0.451]
1/1 [=====] - 0s 75ms/step
>1383, dr[0.337,0.612], df[0.175,0.540], g[2.092,0.158]
1/1 [=====] - 0s 85ms/step
>1384, dr[0.019,1.149], df[1.042,0.293], g[7.795,0.087]
1/1 [=====] - 0s 72ms/step
>1385, dr[0.975,1.553], df[0.278,0.100], g[3.883,0.229]
1/1 [=====] - 0s 78ms/step
>1386, dr[0.392,0.366], df[0.334,0.334], g[4.697,0.428]
1/1 [=====] - 0s 79ms/step
>1387, dr[0.124,1.040], df[0.108,0.647], g[5.003,0.440]
1/1 [=====] - 0s 79ms/step
>1388, dr[0.236,0.782], df[0.215,0.278], g[3.101,0.147]
1/1 [=====] - 0s 78ms/step
>1389, dr[0.157,1.150], df[0.375,0.133], g[4.135,0.188]
1/1 [=====] - 0s 78ms/step
>1390, dr[0.356,1.277], df[0.212,0.215], g[3.599,0.280]
1/1 [=====] - 0s 78ms/step
>1391, dr[0.185,1.379], df[0.233,0.081], g[4.066,0.225]
1/1 [=====] - 0s 76ms/step
>1392, dr[0.146,0.551], df[0.147,0.044], g[4.287,0.094]
1/1 [=====] - 0s 77ms/step
>1393, dr[0.371,0.477], df[0.862,0.155], g[5.657,0.074]
1/1 [=====] - 0s 67ms/step
>1394, dr[0.599,0.600], df[0.146,0.019], g[4.303,0.149]
1/1 [=====] - 0s 74ms/step
>1395, dr[0.365,0.941], df[0.367,0.131], g[3.280,0.271]
1/1 [=====] - 0s 76ms/step
>1396, dr[0.176,1.013], df[0.211,0.161], g[2.794,0.462]
1/1 [=====] - 0s 72ms/step
>1397, dr[0.029,1.917], df[0.312,0.291], g[6.442,0.383]
1/1 [=====] - 0s 81ms/step
>1398, dr[1.334,0.654], df[0.562,0.107], g[2.399,0.231]
1/1 [=====] - 0s 76ms/step
>1399, dr[0.012,0.589], df[0.309,0.060], g[5.062,0.193]
1/1 [=====] - 0s 74ms/step
>1400, dr[0.551,0.967], df[0.512,0.078], g[4.120,0.292]
1/1 [=====] - 0s 75ms/step
>1401, dr[0.049,1.454], df[0.028,0.091], g[4.640,0.204]
1/1 [=====] - 0s 67ms/step
>1402, dr[0.243,1.081], df[0.370,0.424], g[4.154,0.291]
1/1 [=====] - 0s 72ms/step
>1403, dr[0.259,0.802], df[0.303,0.169], g[5.432,0.281]
1/1 [=====] - 0s 75ms/step
>1404, dr[0.486,1.269], df[0.275,0.334], g[4.862,0.045]
1/1 [=====] - 0s 75ms/step
>1405, dr[0.521,0.873], df[0.560,0.187], g[3.106,0.076]
1/1 [=====] - 0s 67ms/step
>1406, dr[0.156,1.475], df[0.700,0.291], g[7.731,0.575]
1/1 [=====] - 0s 74ms/step
>1407, dr[1.170,1.455], df[0.202,0.100], g[2.803,0.245]
1/1 [=====] - 0s 83ms/step
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>1408, dr[0.021,1.695], df[0.822,0.031], g[6.729,0.338]
1/1 [=====] - 0s 81ms/step
>1409, dr[0.952,0.472], df[0.086,0.060], g[4.819,0.316]
1/1 [=====] - 0s 84ms/step
>1410, dr[0.286,0.966], df[0.420,0.346], g[3.565,0.514]
1/1 [=====] - 0s 96ms/step
>1411, dr[0.133,0.841], df[0.438,0.198], g[5.484,0.254]
1/1 [=====] - 0s 81ms/step
>1412, dr[1.067,0.502], df[1.183,0.067], g[6.898,0.135]
1/1 [=====] - 0s 72ms/step
>1413, dr[0.516,1.312], df[0.037,0.287], g[5.783,0.250]
1/1 [=====] - 0s 77ms/step
>1414, dr[0.205,1.143], df[0.153,0.240], g[4.482,0.378]
1/1 [=====] - 0s 96ms/step
>1415, dr[0.039,0.770], df[0.136,0.162], g[4.764,0.034]
1/1 [=====] - 0s 75ms/step
>1416, dr[0.153,0.986], df[0.236,0.062], g[4.058,0.061]
1/1 [=====] - 0s 81ms/step
>1417, dr[0.062,2.805], df[0.111,0.079], g[4.434,0.391]
1/1 [=====] - 0s 74ms/step
>1418, dr[0.483,0.459], df[0.698,0.185], g[5.743,0.165]
1/1 [=====] - 0s 80ms/step
>1419, dr[0.888,0.811], df[0.379,0.034], g[3.987,0.093]
1/1 [=====] - 0s 78ms/step
>1420, dr[0.141,0.924], df[0.297,0.521], g[4.095,0.194]
1/1 [=====] - 0s 83ms/step
>1421, dr[0.073,0.802], df[0.128,0.114], g[5.482,0.052]
1/1 [=====] - 0s 79ms/step
>1422, dr[0.157,0.533], df[0.156,0.267], g[5.717,0.180]
1/1 [=====] - 0s 81ms/step
>1423, dr[0.673,0.536], df[0.741,0.132], g[6.566,0.129]
1/1 [=====] - 0s 69ms/step
>1424, dr[0.571,0.454], df[0.221,0.139], g[5.308,0.052]
1/1 [=====] - 0s 80ms/step
>1425, dr[0.163,1.400], df[0.241,0.136], g[6.041,0.199]
1/1 [=====] - 0s 79ms/step
>1426, dr[0.115,0.747], df[0.071,0.529], g[6.198,0.090]
1/1 [=====] - 0s 79ms/step
>1427, dr[0.421,0.854], df[0.561,0.591], g[5.334,0.240]
1/1 [=====] - 0s 76ms/step
>1428, dr[0.139,0.852], df[0.120,0.275], g[5.865,0.019]
1/1 [=====] - 0s 80ms/step
>1429, dr[0.409,0.820], df[0.113,0.154], g[3.954,0.225]
1/1 [=====] - 0s 81ms/step
>1430, dr[0.086,0.780], df[0.290,0.055], g[5.155,0.139]
1/1 [=====] - 0s 104ms/step
>1431, dr[0.350,0.806], df[0.455,0.137], g[6.026,0.099]
1/1 [=====] - 0s 79ms/step
>1432, dr[0.330,1.359], df[0.064,0.432], g[4.014,0.093]
1/1 [=====] - 0s 69ms/step
>1433, dr[0.117,0.702], df[0.267,0.314], g[4.197,0.190]
1/1 [=====] - 0s 74ms/step
>1434, dr[0.413,0.349], df[0.986,0.039], g[5.985,0.047]
1/1 [=====] - 0s 74ms/step
>1435, dr[0.217,0.535], df[0.014,0.211], g[5.770,0.178]
1/1 [=====] - 0s 78ms/step
>1436, dr[0.604,1.203], df[0.733,0.003], g[4.209,0.200]
1/1 [=====] - 0s 72ms/step
>1437, dr[0.218,0.651], df[0.250,0.195], g[5.213,0.055]
1/1 [=====] - 0s 72ms/step
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>1438, dr[0.148,1.112], df[0.062,0.106], g[5.154,0.099]
1/1 [=====] - 0s 73ms/step
>1439, dr[0.118,0.656], df[0.183,0.158], g[5.095,0.021]
1/1 [=====] - 0s 76ms/step
>1440, dr[0.715,0.960], df[0.620,0.040], g[3.872,0.144]
1/1 [=====] - 0s 74ms/step
>1441, dr[0.059,0.695], df[0.165,0.376], g[6.235,0.202]
1/1 [=====] - 0s 70ms/step
>1442, dr[0.748,1.254], df[0.249,0.053], g[2.449,0.283]
1/1 [=====] - 0s 74ms/step
>1443, dr[0.008,0.262], df[0.604,0.158], g[6.295,0.238]
1/1 [=====] - 0s 76ms/step
>1444, dr[1.555,0.651], df[0.927,0.230], g[5.121,0.100]
1/1 [=====] - 0s 77ms/step
>1445, dr[0.175,0.561], df[0.037,0.197], g[5.329,0.369]
1/1 [=====] - 0s 73ms/step
>1446, dr[0.311,0.771], df[0.309,0.100], g[4.993,0.084]
1/1 [=====] - 0s 77ms/step
>1447, dr[0.293,0.611], df[0.563,0.216], g[6.118,0.316]
1/1 [=====] - 0s 72ms/step
>1448, dr[0.740,0.629], df[0.193,0.073], g[3.857,0.409]
1/1 [=====] - 0s 71ms/step
>1449, dr[0.362,1.021], df[0.877,0.040], g[4.981,0.161]
1/1 [=====] - 0s 72ms/step
>1450, dr[0.852,0.705], df[0.591,0.198], g[3.988,0.334]
1/1 [=====] - 0s 71ms/step
>1451, dr[0.460,0.559], df[0.126,0.512], g[3.630,0.135]
1/1 [=====] - 0s 80ms/step
>1452, dr[0.235,0.580], df[0.262,0.092], g[5.185,0.260]
1/1 [=====] - 0s 73ms/step
>1453, dr[0.144,0.767], df[0.189,0.234], g[6.057,0.155]
1/1 [=====] - 0s 68ms/step
>1454, dr[0.255,0.331], df[0.054,0.192], g[4.834,0.311]
1/1 [=====] - 0s 66ms/step
>1455, dr[0.737,1.021], df[1.404,0.960], g[5.482,0.279]
1/1 [=====] - 0s 70ms/step
>1456, dr[0.620,0.470], df[0.166,0.322], g[6.173,0.118]
1/1 [=====] - 0s 75ms/step
>1457, dr[0.820,0.899], df[0.539,0.187], g[4.030,0.180]
1/1 [=====] - 0s 85ms/step
>1458, dr[0.033,0.281], df[0.397,0.100], g[6.684,0.114]
1/1 [=====] - 0s 72ms/step
>1459, dr[1.510,1.429], df[2.442,0.064], g[5.924,0.119]
1/1 [=====] - 0s 77ms/step
>1460, dr[0.329,1.302], df[0.018,0.341], g[6.002,0.178]
1/1 [=====] - 0s 80ms/step
>1461, dr[0.374,1.637], df[0.180,0.162], g[3.960,0.085]
1/1 [=====] - 0s 77ms/step
>1462, dr[0.180,0.973], df[0.202,0.097], g[5.256,0.125]
1/1 [=====] - 0s 89ms/step
>1463, dr[0.421,0.902], df[0.588,0.120], g[5.042,0.362]
1/1 [=====] - 0s 88ms/step
>1464, dr[0.302,0.741], df[0.097,0.080], g[5.836,0.057]
1/1 [=====] - 0s 84ms/step
>1465, dr[0.382,1.185], df[0.152,0.003], g[3.260,0.222]
1/1 [=====] - 0s 77ms/step
>1466, dr[0.035,1.167], df[0.475,0.426], g[5.215,0.389]
1/1 [=====] - 0s 75ms/step
>1467, dr[0.730,1.334], df[0.099,0.332], g[3.191,0.273]
1/1 [=====] - 0s 82ms/step
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>1468, dr[0.134,0.481], df[0.562,0.024], g[5.570,0.255]
1/1 [=====] - 0s 77ms/step
>1469, dr[0.356,0.853], df[0.148,0.505], g[6.111,0.322]
1/1 [=====] - 0s 95ms/step
>1470, dr[0.939,1.113], df[0.605,0.771], g[2.973,0.256]
1/1 [=====] - 0s 101ms/step
>1471, dr[0.114,0.766], df[0.515,0.048], g[5.923,0.163]
1/1 [=====] - 0s 111ms/step
>1472, dr[0.572,0.584], df[0.370,0.142], g[4.600,0.149]
1/1 [=====] - 0s 87ms/step
>1473, dr[0.427,0.882], df[0.116,0.064], g[3.202,0.274]
1/1 [=====] - 0s 109ms/step
>1474, dr[0.092,1.329], df[0.437,0.483], g[4.164,0.205]
1/1 [=====] - 0s 91ms/step
>1475, dr[0.146,0.744], df[0.363,0.462], g[7.328,0.159]
1/1 [=====] - 0s 85ms/step
>1476, dr[0.745,1.159], df[0.468,0.251], g[5.287,0.288]
1/1 [=====] - 0s 87ms/step
>1477, dr[0.705,0.637], df[0.375,0.147], g[4.850,0.044]
1/1 [=====] - 0s 86ms/step
>1478, dr[0.262,0.732], df[0.130,0.330], g[5.413,0.266]
1/1 [=====] - 0s 77ms/step
>1479, dr[0.253,0.850], df[0.230,0.224], g[4.884,0.246]
1/1 [=====] - 0s 80ms/step
>1480, dr[0.370,0.804], df[0.270,0.031], g[3.914,0.344]
1/1 [=====] - 0s 81ms/step
>1481, dr[0.099,0.355], df[0.406,0.129], g[5.240,0.071]
1/1 [=====] - 0s 76ms/step
>1482, dr[0.598,0.687], df[0.423,0.024], g[3.591,0.280]
1/1 [=====] - 0s 83ms/step
>1483, dr[0.063,0.594], df[0.102,0.058], g[4.697,0.177]
1/1 [=====] - 0s 75ms/step
>1484, dr[0.114,1.565], df[0.087,0.323], g[4.202,0.272]
1/1 [=====] - 0s 71ms/step
>1485, dr[0.399,1.582], df[0.254,0.083], g[3.273,0.173]
1/1 [=====] - 0s 81ms/step
>1486, dr[0.076,0.813], df[0.574,0.301], g[5.624,0.331]
1/1 [=====] - 0s 88ms/step
>1487, dr[0.635,0.581], df[0.055,0.229], g[4.716,0.226]
1/1 [=====] - 0s 80ms/step
>1488, dr[0.416,0.573], df[0.592,0.222], g[3.970,0.252]
1/1 [=====] - 0s 101ms/step
>1489, dr[0.124,0.540], df[0.080,0.043], g[4.279,0.638]
1/1 [=====] - 0s 87ms/step
>1490, dr[0.293,1.162], df[0.356,0.100], g[5.326,0.290]
1/1 [=====] - 0s 76ms/step
>1491, dr[0.253,0.885], df[0.233,0.029], g[5.292,0.180]
1/1 [=====] - 0s 77ms/step
>1492, dr[0.520,1.266], df[0.554,0.124], g[4.610,0.168]
1/1 [=====] - 0s 76ms/step
>1493, dr[0.278,1.004], df[0.122,0.411], g[5.223,0.205]
1/1 [=====] - 0s 74ms/step
>1494, dr[0.475,0.920], df[0.833,0.082], g[5.179,0.480]
1/1 [=====] - 0s 75ms/step
>1495, dr[0.351,0.555], df[0.120,0.402], g[4.780,0.241]
1/1 [=====] - 0s 75ms/step
>1496, dr[0.217,1.483], df[0.286,0.401], g[6.159,0.296]
1/1 [=====] - 0s 75ms/step
>1497, dr[0.390,0.789], df[0.193,0.072], g[4.209,0.545]
1/1 [=====] - 0s 74ms/step
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>1498, dr[0.064,0.908], df[0.146,0.119], g[4.202,0.161]
1/1 [=====] - 0s 73ms/step
>1499, dr[0.310,1.651], df[0.450,0.092], g[5.687,0.183]
1/1 [=====] - 0s 72ms/step
>1500, dr[0.495,0.720], df[0.289,0.034], g[5.076,0.166]
1/1 [=====] - 0s 74ms/step
>1501, dr[0.478,2.019], df[0.154,0.102], g[3.431,0.271]
1/1 [=====] - 0s 88ms/step
>1502, dr[0.256,0.758], df[0.761,0.383], g[4.675,0.125]
1/1 [=====] - 0s 77ms/step
>1503, dr[0.142,0.837], df[0.090,0.095], g[6.459,0.364]
1/1 [=====] - 0s 74ms/step
>1504, dr[0.853,0.469], df[0.689,0.121], g[4.490,0.284]
1/1 [=====] - 0s 73ms/step
>1505, dr[0.393,0.909], df[0.259,0.545], g[4.273,0.184]
1/1 [=====] - 0s 74ms/step
>1506, dr[0.153,1.435], df[0.748,0.318], g[7.254,0.243]
1/1 [=====] - 0s 94ms/step
>1507, dr[2.423,1.141], df[0.554,0.531], g[1.656,0.415]
1/1 [=====] - 0s 88ms/step
>1508, dr[0.032,0.703], df[2.559,0.237], g[8.771,0.311]
1/1 [=====] - 0s 73ms/step
>1509, dr[2.759,1.299], df[0.571,0.132], g[3.107,0.405]
1/1 [=====] - 0s 89ms/step
>1510, dr[0.021,0.555], df[0.042,0.114], g[3.651,0.340]
1/1 [=====] - 0s 76ms/step
>1511, dr[0.039,1.027], df[0.139,0.164], g[4.248,0.254]
1/1 [=====] - 0s 130ms/step
>1512, dr[0.236,0.522], df[0.567,0.115], g[5.947,0.331]
1/1 [=====] - 0s 83ms/step
>1513, dr[0.956,0.757], df[0.077,0.182], g[3.416,0.417]
1/1 [=====] - 0s 92ms/step
>1514, dr[0.032,1.351], df[0.487,0.041], g[5.000,0.481]
1/1 [=====] - 0s 82ms/step
>1515, dr[0.182,0.963], df[0.249,0.473], g[6.354,0.539]
1/1 [=====] - 0s 82ms/step
>1516, dr[0.465,1.113], df[0.517,0.508], g[5.002,0.145]
1/1 [=====] - 0s 78ms/step
>1517, dr[0.667,0.649], df[0.426,0.045], g[4.425,0.387]
1/1 [=====] - 0s 78ms/step
>1518, dr[0.135,1.098], df[0.260,0.253], g[4.905,0.150]
1/1 [=====] - 0s 80ms/step
>1519, dr[0.349,0.621], df[0.227,0.481], g[3.932,0.168]
1/1 [=====] - 0s 74ms/step
>1520, dr[0.374,1.131], df[0.859,0.193], g[7.642,0.399]
1/1 [=====] - 0s 85ms/step
>1521, dr[1.505,0.494], df[0.735,0.413], g[3.857,0.206]
1/1 [=====] - 0s 79ms/step
>1522, dr[0.212,0.238], df[0.234,0.264], g[6.136,0.217]
1/1 [=====] - 0s 79ms/step
>1523, dr[0.383,1.136], df[0.266,0.232], g[4.735,0.135]
1/1 [=====] - 0s 80ms/step
>1524, dr[0.101,0.994], df[0.239,0.059], g[6.433,0.079]
1/1 [=====] - 0s 81ms/step
>1525, dr[0.630,1.058], df[0.253,0.010], g[3.553,0.135]
1/1 [=====] - 0s 81ms/step
>1526, dr[0.022,0.816], df[0.260,0.110], g[5.409,0.113]
1/1 [=====] - 0s 78ms/step
>1527, dr[0.157,0.649], df[0.112,0.247], g[4.306,0.215]
1/1 [=====] - 0s 78ms/step
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>1528, dr[0.789,0.670], df[1.958,0.227], g[6.972,0.295]
1/1 [=====] - 0s 75ms/step
>1529, dr[1.507,0.918], df[0.311,0.074], g[2.984,0.053]
1/1 [=====] - 0s 71ms/step
>1530, dr[0.055,0.947], df[0.359,0.092], g[5.007,0.129]
1/1 [=====] - 0s 77ms/step
>1531, dr[0.447,0.661], df[0.878,0.137], g[6.805,0.286]
1/1 [=====] - 0s 75ms/step
>1532, dr[0.481,1.167], df[0.085,0.071], g[5.100,0.207]
1/1 [=====] - 0s 75ms/step
>1533, dr[0.396,1.041], df[0.321,0.058], g[3.316,0.146]
1/1 [=====] - 0s 78ms/step
>1534, dr[0.221,0.779], df[0.132,0.099], g[3.267,0.119]
1/1 [=====] - 0s 81ms/step
>1535, dr[0.058,0.889], df[0.220,0.065], g[3.781,0.239]
1/1 [=====] - 0s 81ms/step
>1536, dr[0.375,2.092], df[0.860,0.130], g[5.216,0.330]
1/1 [=====] - 0s 86ms/step
>1537, dr[0.770,0.698], df[0.141,0.130], g[4.183,0.202]
1/1 [=====] - 0s 91ms/step
>1538, dr[0.104,0.397], df[0.098,0.223], g[4.412,0.193]
1/1 [=====] - 0s 85ms/step
>1539, dr[0.160,0.985], df[0.095,0.090], g[3.459,0.139]
1/1 [=====] - 0s 80ms/step
>1540, dr[0.202,1.094], df[0.468,0.210], g[3.852,0.321]
1/1 [=====] - 0s 80ms/step
>1541, dr[0.314,1.944], df[0.492,0.161], g[6.529,0.230]
1/1 [=====] - 0s 81ms/step
>1542, dr[0.562,0.645], df[0.084,0.021], g[4.715,0.176]
1/1 [=====] - 0s 83ms/step
>1543, dr[0.385,1.282], df[0.270,0.657], g[3.991,0.210]
1/1 [=====] - 0s 81ms/step
>1544, dr[0.172,0.501], df[0.317,0.025], g[4.362,0.093]
1/1 [=====] - 0s 86ms/step
>1545, dr[0.274,0.648], df[0.074,0.012], g[4.265,0.126]
1/1 [=====] - 0s 73ms/step
>1546, dr[0.171,0.470], df[0.222,0.095], g[4.340,0.009]
1/1 [=====] - 0s 78ms/step
>1547, dr[0.713,1.621], df[0.559,0.204], g[3.216,0.297]
1/1 [=====] - 0s 70ms/step
>1548, dr[0.057,1.122], df[0.150,0.097], g[6.044,0.023]
1/1 [=====] - 0s 74ms/step
>1549, dr[0.584,0.733], df[0.596,0.040], g[5.081,0.106]
1/1 [=====] - 0s 71ms/step
>1550, dr[0.254,0.418], df[0.108,0.110], g[4.644,0.283]
1/1 [=====] - 0s 76ms/step
>1551, dr[0.196,0.730], df[0.243,0.330], g[3.583,0.086]
1/1 [=====] - 0s 68ms/step
>1552, dr[0.344,0.449], df[0.747,0.168], g[3.936,0.035]
1/1 [=====] - 0s 68ms/step
>1553, dr[0.041,1.367], df[0.084,0.188], g[5.083,0.048]
1/1 [=====] - 0s 76ms/step
>1554, dr[0.257,0.615], df[0.297,0.027], g[4.490,0.059]
1/1 [=====] - 0s 73ms/step
>1555, dr[0.478,1.176], df[0.234,0.007], g[2.599,0.209]
1/1 [=====] - 0s 75ms/step
>1556, dr[0.130,1.139], df[0.101,0.014], g[3.130,0.026]
1/1 [=====] - 0s 71ms/step
>1557, dr[0.012,0.936], df[0.397,0.382], g[5.373,0.070]
1/1 [=====] - 0s 76ms/step
```

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>1558, dr[0.204,1.317], df[0.036,0.070], g[5.137,0.245]
1/1 [=====] - 0s 72ms/step
>1559, dr[0.325,1.072], df[0.121,0.584], g[4.880,0.136]
1/1 [=====] - 0s 73ms/step
>1560, dr[0.256,0.645], df[0.593,0.399], g[3.742,0.261]
1/1 [=====] - 0s 75ms/step
>1561, dr[0.332,0.667], df[0.163,0.181], g[5.905,0.213]
1/1 [=====] - 0s 70ms/step
>1562, dr[0.907,0.859], df[0.652,0.338], g[4.228,0.027]
1/1 [=====] - 0s 78ms/step
>1563, dr[0.248,0.875], df[0.347,0.038], g[5.232,0.160]
1/1 [=====] - 0s 74ms/step
>1564, dr[0.584,0.930], df[0.193,0.367], g[3.202,0.128]
1/1 [=====] - 0s 71ms/step
>1565, dr[0.047,0.853], df[0.290,0.174], g[5.262,0.344]
1/1 [=====] - 0s 71ms/step
>1566, dr[0.446,0.971], df[0.427,0.325], g[5.364,0.219]
1/1 [=====] - 0s 80ms/step
>1567, dr[0.473,1.175], df[0.444,0.084], g[4.941,0.143]
1/1 [=====] - 0s 75ms/step
>1568, dr[0.301,0.147], df[0.044,0.332], g[4.190,0.263]
1/1 [=====] - 0s 75ms/step
>1569, dr[0.179,0.978], df[0.525,0.167], g[5.517,0.220]
1/1 [=====] - 0s 88ms/step
>1570, dr[0.539,1.076], df[0.500,0.253], g[5.611,0.165]
1/1 [=====] - 0s 82ms/step
>1571, dr[0.164,1.081], df[0.130,0.645], g[5.374,0.248]
1/1 [=====] - 0s 89ms/step
>1572, dr[0.068,1.268], df[0.079,0.122], g[6.929,0.146]
1/1 [=====] - 0s 85ms/step
>1573, dr[1.721,2.976], df[1.834,0.157], g[1.955,0.114]
1/1 [=====] - 0s 82ms/step
>1574, dr[0.035,1.792], df[1.258,0.248], g[8.782,0.400]
1/1 [=====] - 0s 77ms/step
>1575, dr[1.022,0.612], df[0.021,0.224], g[6.740,0.298]
1/1 [=====] - 0s 80ms/step
>1576, dr[0.807,0.935], df[0.683,0.125], g[3.802,0.370]
1/1 [=====] - 0s 80ms/step
>1577, dr[0.118,0.802], df[0.307,0.209], g[5.528,0.186]
1/1 [=====] - 0s 78ms/step
>1578, dr[0.505,0.166], df[0.141,0.256], g[5.168,0.079]
1/1 [=====] - 0s 78ms/step
>1579, dr[0.348,0.382], df[0.291,0.134], g[4.076,0.067]
1/1 [=====] - 0s 70ms/step
>1580, dr[0.270,0.843], df[0.301,0.203], g[3.728,0.242]
1/1 [=====] - 0s 73ms/step
>1581, dr[0.037,0.251], df[0.061,0.021], g[4.005,0.138]
1/1 [=====] - 0s 71ms/step
>1582, dr[0.379,1.348], df[0.854,0.342], g[4.826,0.253]
1/1 [=====] - 0s 68ms/step
>1583, dr[0.278,1.076], df[0.158,0.274], g[5.806,0.445]
1/1 [=====] - 0s 73ms/step
>1584, dr[0.370,0.772], df[0.104,0.136], g[4.291,0.205]
1/1 [=====] - 0s 74ms/step
>1585, dr[0.303,1.560], df[0.299,0.413], g[3.757,0.347]
1/1 [=====] - 0s 72ms/step
>1586, dr[0.115,0.777], df[0.272,0.056], g[6.018,0.286]
1/1 [=====] - 0s 71ms/step
>1587, dr[0.756,0.781], df[0.391,0.656], g[1.890,0.202]
1/1 [=====] - 0s 71ms/step
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>1588, dr[0.092,0.779], df[0.211,0.085], g[3.409,0.314]
1/1 [=====] - 0s 75ms/step
>1589, dr[0.141,0.559], df[0.425,0.341], g[5.740,0.459]
1/1 [=====] - 0s 91ms/step
>1590, dr[0.278,0.805], df[0.042,0.174], g[4.589,0.385]
1/1 [=====] - 0s 81ms/step
>1591, dr[0.657,0.582], df[0.394,0.061], g[2.751,0.262]
1/1 [=====] - 0s 72ms/step
>1592, dr[0.090,0.660], df[0.420,0.167], g[4.768,0.554]
1/1 [=====] - 0s 75ms/step
>1593, dr[0.549,0.224], df[0.135,0.134], g[4.233,0.172]
1/1 [=====] - 0s 79ms/step
>1594, dr[0.114,0.731], df[0.206,0.011], g[5.064,0.038]
1/1 [=====] - 0s 82ms/step
>1595, dr[0.537,0.428], df[0.205,0.093], g[2.488,0.152]
1/1 [=====] - 0s 81ms/step
>1596, dr[0.028,0.235], df[0.801,0.069], g[7.265,0.135]
1/1 [=====] - 0s 87ms/step
>1597, dr[0.988,0.490], df[0.156,0.041], g[4.084,0.182]
1/1 [=====] - 0s 76ms/step
>1598, dr[0.283,1.298], df[1.532,0.463], g[7.238,0.313]
1/1 [=====] - 0s 78ms/step
>1599, dr[0.862,0.207], df[0.071,0.089], g[5.115,0.203]
1/1 [=====] - 0s 76ms/step
>1600, dr[0.703,0.719], df[0.568,0.197], g[3.586,0.189]
1/1 [=====] - 0s 79ms/step
>1601, dr[0.062,0.862], df[0.274,0.112], g[4.590,0.291]
1/1 [=====] - 0s 78ms/step
>1602, dr[0.964,0.744], df[0.540,0.146], g[2.981,0.214]
1/1 [=====] - 0s 81ms/step
>1603, dr[0.195,0.560], df[0.535,0.025], g[6.254,0.216]
1/1 [=====] - 0s 81ms/step
>1604, dr[0.574,0.694], df[0.020,0.019], g[4.611,0.343]
1/1 [=====] - 0s 89ms/step
>1605, dr[0.335,0.742], df[0.366,0.030], g[2.987,0.103]
1/1 [=====] - 0s 84ms/step
>1606, dr[0.121,1.091], df[0.419,0.074], g[5.427,0.027]
1/1 [=====] - 0s 79ms/step
>1607, dr[0.318,1.422], df[0.089,0.163], g[4.677,0.130]
1/1 [=====] - 0s 80ms/step
>1608, dr[0.181,0.805], df[0.086,0.332], g[4.061,0.346]
1/1 [=====] - 0s 82ms/step
>1609, dr[0.189,0.622], df[0.224,0.035], g[3.344,0.685]
1/1 [=====] - 0s 74ms/step
>1610, dr[0.206,0.629], df[0.150,0.157], g[4.054,0.221]
1/1 [=====] - 0s 83ms/step
>1611, dr[0.440,0.149], df[0.333,0.418], g[3.399,0.335]
1/1 [=====] - 0s 79ms/step
>1612, dr[0.185,1.397], df[0.193,0.143], g[3.637,0.733]
1/1 [=====] - 0s 77ms/step
>1613, dr[0.434,2.255], df[0.385,0.016], g[4.036,0.332]
1/1 [=====] - 0s 90ms/step
>1614, dr[0.267,1.598], df[0.208,0.145], g[4.621,0.138]
1/1 [=====] - 0s 91ms/step
>1615, dr[0.474,0.948], df[0.687,0.215], g[5.191,0.127]
1/1 [=====] - 0s 80ms/step
>1616, dr[0.211,0.566], df[0.134,0.869], g[5.487,0.199]
1/1 [=====] - 0s 80ms/step
>1617, dr[0.589,1.271], df[0.382,0.153], g[3.673,0.086]
1/1 [=====] - 0s 83ms/step
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>1618, dr[0.212,0.986], df[0.252,0.013], g[3.958,0.390]
1/1 [=====] - 0s 77ms/step
>1619, dr[0.419,1.811], df[0.335,0.107], g[2.810,0.107]
1/1 [=====] - 0s 74ms/step
>1620, dr[0.027,1.607], df[0.131,0.009], g[3.519,0.295]
1/1 [=====] - 0s 74ms/step
>1621, dr[0.057,1.042], df[0.041,0.039], g[3.620,0.208]
1/1 [=====] - 0s 68ms/step
>1622, dr[0.548,0.588], df[0.658,0.256], g[4.330,0.070]
1/1 [=====] - 0s 75ms/step
>1623, dr[0.310,1.601], df[0.260,0.052], g[4.355,0.379]
1/1 [=====] - 0s 73ms/step
>1624, dr[0.320,0.763], df[0.414,0.444], g[3.527,0.735]
1/1 [=====] - 0s 72ms/step
>1625, dr[0.088,0.637], df[0.198,0.282], g[3.794,0.078]
1/1 [=====] - 0s 82ms/step
>1626, dr[0.165,1.340], df[0.310,0.123], g[5.486,0.125]
1/1 [=====] - 0s 74ms/step
>1627, dr[0.507,0.518], df[0.449,0.124], g[4.909,0.327]
1/1 [=====] - 0s 72ms/step
>1628, dr[0.325,1.104], df[0.069,0.422], g[3.735,0.348]
1/1 [=====] - 0s 71ms/step
>1629, dr[0.119,1.634], df[0.673,0.146], g[6.513,0.055]
1/1 [=====] - 0s 80ms/step
>1630, dr[1.374,1.113], df[0.470,0.086], g[3.247,0.260]
1/1 [=====] - 0s 72ms/step
>1631, dr[0.296,1.324], df[0.277,0.232], g[3.618,0.220]
1/1 [=====] - 0s 73ms/step
>1632, dr[0.246,1.384], df[0.320,0.266], g[4.400,0.195]
1/1 [=====] - 0s 69ms/step
>1633, dr[0.730,1.133], df[0.524,0.148], g[4.130,0.233]
1/1 [=====] - 0s 76ms/step
>1634, dr[0.259,0.769], df[0.342,0.136], g[3.305,0.168]
1/1 [=====] - 0s 82ms/step
>1635, dr[0.157,0.836], df[0.434,0.413], g[5.392,0.044]
1/1 [=====] - 0s 77ms/step
>1636, dr[0.974,1.642], df[0.147,0.150], g[3.298,0.071]
1/1 [=====] - 0s 82ms/step
>1637, dr[0.166,1.428], df[0.510,0.073], g[5.412,0.224]
1/1 [=====] - 0s 74ms/step
>1638, dr[0.456,1.052], df[0.089,0.232], g[3.152,0.224]
1/1 [=====] - 0s 84ms/step
>1639, dr[0.160,0.713], df[0.336,0.065], g[3.686,0.242]
1/1 [=====] - 0s 74ms/step
>1640, dr[0.183,1.038], df[0.692,0.243], g[6.567,0.135]
1/1 [=====] - 0s 77ms/step
>1641, dr[0.397,1.179], df[0.079,0.235], g[5.171,0.152]
1/1 [=====] - 0s 85ms/step
>1642, dr[0.686,1.132], df[0.809,0.126], g[3.698,0.386]
1/1 [=====] - 0s 75ms/step
>1643, dr[0.155,0.488], df[0.147,0.186], g[4.982,0.268]
1/1 [=====] - 0s 76ms/step
>1644, dr[0.357,1.302], df[0.100,0.299], g[4.010,0.299]
1/1 [=====] - 0s 75ms/step
>1645, dr[0.155,1.187], df[0.265,0.241], g[4.248,0.189]
1/1 [=====] - 0s 79ms/step
>1646, dr[0.390,1.206], df[0.809,0.409], g[6.370,0.122]
1/1 [=====] - 0s 71ms/step
>1647, dr[1.176,0.873], df[0.165,0.177], g[3.513,0.414]
1/1 [=====] - 0s 71ms/step
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>1648, dr[0.031,0.487], df[0.332,0.117], g[5.283,0.111]
1/1 [=====] - 0s 75ms/step
>1649, dr[0.346,0.490], df[0.131,0.237], g[4.115,0.191]
1/1 [=====] - 0s 84ms/step
>1650, dr[0.559,0.709], df[0.606,0.694], g[4.925,0.244]
1/1 [=====] - 0s 84ms/step
>1651, dr[0.145,0.526], df[0.024,0.293], g[5.298,0.151]
1/1 [=====] - 0s 87ms/step
>1652, dr[0.458,1.161], df[0.256,0.866], g[3.716,0.413]
1/1 [=====] - 0s 86ms/step
>1653, dr[0.075,1.114], df[0.220,0.065], g[5.327,0.097]
1/1 [=====] - 0s 87ms/step
>1654, dr[0.368,0.947], df[0.175,0.116], g[3.909,0.075]
1/1 [=====] - 0s 85ms/step
>1655, dr[0.108,0.745], df[0.261,0.334], g[4.724,0.239]
1/1 [=====] - 0s 80ms/step
>1656, dr[0.561,1.018], df[0.449,0.028], g[4.500,0.181]
1/1 [=====] - 0s 86ms/step
>1657, dr[0.111,0.451], df[0.440,0.176], g[6.053,0.091]
1/1 [=====] - 0s 81ms/step
>1658, dr[1.349,0.674], df[0.358,0.132], g[2.571,0.027]
1/1 [=====] - 0s 86ms/step
>1659, dr[0.212,0.870], df[0.853,0.598], g[4.986,0.217]
1/1 [=====] - 0s 79ms/step
>1660, dr[0.283,1.399], df[0.154,0.113], g[5.510,0.205]
1/1 [=====] - 0s 94ms/step
>1661, dr[0.767,0.918], df[0.255,0.097], g[2.652,0.120]
1/1 [=====] - 0s 95ms/step
>1662, dr[0.072,0.267], df[0.459,0.019], g[4.285,0.267]
1/1 [=====] - 0s 75ms/step
>1663, dr[0.226,0.632], df[0.131,0.714], g[5.714,0.172]
1/1 [=====] - 0s 83ms/step
>1664, dr[0.626,1.226], df[0.077,0.818], g[2.568,0.107]
1/1 [=====] - 0s 77ms/step
>1665, dr[0.231,0.377], df[0.847,0.252], g[3.811,0.217]
1/1 [=====] - 0s 78ms/step
>1666, dr[0.564,0.547], df[0.194,0.336], g[3.003,0.332]
1/1 [=====] - 0s 71ms/step
>1667, dr[0.189,0.350], df[0.382,0.037], g[4.815,0.284]
1/1 [=====] - 0s 72ms/step
>1668, dr[0.300,1.769], df[0.103,0.040], g[3.207,0.501]
1/1 [=====] - 0s 73ms/step
>1669, dr[0.106,0.451], df[0.283,0.433], g[3.430,0.208]
1/1 [=====] - 0s 77ms/step
>1670, dr[0.260,0.685], df[0.243,0.139], g[3.842,0.182]
1/1 [=====] - 0s 69ms/step
>1671, dr[0.539,1.014], df[0.386,0.088], g[3.698,0.245]
1/1 [=====] - 0s 68ms/step
>1672, dr[0.522,0.880], df[0.485,0.158], g[4.809,0.113]
1/1 [=====] - 0s 75ms/step
>1673, dr[0.633,1.436], df[0.573,0.504], g[5.688,0.220]
1/1 [=====] - 0s 73ms/step
>1674, dr[0.285,0.722], df[0.136,0.162], g[5.084,0.363]
1/1 [=====] - 0s 79ms/step
>1675, dr[0.402,1.291], df[0.541,0.621], g[5.564,0.787]
1/1 [=====] - 0s 75ms/step
>1676, dr[0.531,1.036], df[0.186,0.155], g[3.645,0.191]
1/1 [=====] - 0s 90ms/step
>1677, dr[0.373,1.313], df[0.450,0.262], g[4.021,0.261]
1/1 [=====] - 0s 70ms/step
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>1678, dr[0.183,0.254], df[0.081,0.136], g[4.595,0.096]
1/1 [=====] - 0s 76ms/step
>1679, dr[0.191,1.744], df[0.104,0.045], g[3.339,0.244]
1/1 [=====] - 0s 77ms/step
>1680, dr[0.130,1.360], df[0.352,0.011], g[4.192,0.184]
1/1 [=====] - 0s 79ms/step
>1681, dr[0.071,0.624], df[0.121,0.161], g[5.055,0.185]
1/1 [=====] - 0s 77ms/step
>1682, dr[0.254,0.415], df[0.136,0.047], g[3.961,0.205]
1/1 [=====] - 0s 78ms/step
>1683, dr[0.158,1.122], df[0.361,0.304], g[4.612,0.184]
1/1 [=====] - 0s 83ms/step
>1684, dr[0.435,0.800], df[0.265,0.054], g[4.512,0.214]
1/1 [=====] - 0s 91ms/step
>1685, dr[0.197,0.968], df[0.060,0.248], g[3.550,0.185]
1/1 [=====] - 0s 82ms/step
>1686, dr[0.453,1.623], df[1.415,0.086], g[5.203,0.069]
1/1 [=====] - 0s 76ms/step
>1687, dr[0.372,0.628], df[0.025,0.049], g[6.213,0.247]
1/1 [=====] - 0s 78ms/step
>1688, dr[0.831,1.004], df[1.048,0.388], g[3.855,0.366]
1/1 [=====] - 0s 89ms/step
>1689, dr[0.370,0.770], df[0.268,0.370], g[5.119,0.193]
1/1 [=====] - 0s 82ms/step
>1690, dr[0.540,0.551], df[0.360,0.282], g[4.140,0.238]
1/1 [=====] - 0s 85ms/step
>1691, dr[0.414,1.176], df[0.130,0.174], g[3.273,0.182]
1/1 [=====] - 0s 86ms/step
>1692, dr[0.165,0.415], df[0.234,0.137], g[4.061,0.098]
1/1 [=====] - 0s 88ms/step
>1693, dr[0.119,0.510], df[0.250,0.840], g[4.912,0.410]
1/1 [=====] - 0s 86ms/step
>1694, dr[0.320,0.907], df[0.725,0.346], g[6.740,0.123]
1/1 [=====] - 0s 84ms/step
>1695, dr[0.638,1.414], df[0.219,0.396], g[4.643,0.328]
1/1 [=====] - 0s 77ms/step
>1696, dr[0.180,0.706], df[0.327,0.415], g[4.268,0.306]
1/1 [=====] - 0s 72ms/step
>1697, dr[0.338,0.766], df[0.195,0.449], g[3.381,0.490]
1/1 [=====] - 0s 77ms/step
>1698, dr[0.219,1.140], df[0.296,0.157], g[4.347,0.242]
1/1 [=====] - 0s 91ms/step
>1699, dr[0.420,0.281], df[0.474,0.443], g[4.590,0.205]
1/1 [=====] - 0s 74ms/step
>1700, dr[0.230,0.232], df[0.158,0.016], g[4.540,0.162]
1/1 [=====] - 0s 78ms/step
>1701, dr[0.547,1.109], df[0.554,0.053], g[3.311,0.106]
1/1 [=====] - 0s 81ms/step
>1702, dr[0.286,1.084], df[0.408,0.037], g[4.911,0.217]
1/1 [=====] - 0s 80ms/step
>1703, dr[0.622,0.966], df[0.406,0.100], g[3.862,0.083]
1/1 [=====] - 0s 77ms/step
>1704, dr[0.279,0.581], df[0.529,0.089], g[5.480,0.126]
1/1 [=====] - 0s 86ms/step
>1705, dr[0.372,2.021], df[0.235,0.172], g[5.096,0.008]
1/1 [=====] - 0s 84ms/step
>1706, dr[0.528,0.959], df[0.530,0.336], g[4.175,0.083]
1/1 [=====] - 0s 83ms/step
>1707, dr[0.300,0.870], df[0.171,0.207], g[4.007,0.314]
1/1 [=====] - 0s 85ms/step
```

```
>1708, dr[0.487,0.723], df[1.703,0.196], g[5.915,0.066]
1/1 [=====] - 0s 84ms/step
>1709, dr[0.835,1.163], df[0.079,0.247], g[3.684,0.402]
1/1 [=====] - 0s 76ms/step
>1710, dr[0.230,1.307], df[0.429,0.008], g[3.199,0.128]
1/1 [=====] - 0s 71ms/step
>1711, dr[0.097,0.463], df[0.383,0.402], g[6.014,0.288]
1/1 [=====] - 0s 74ms/step
>1712, dr[0.612,0.512], df[0.134,0.036], g[3.841,0.088]
1/1 [=====] - 0s 82ms/step
>1713, dr[0.355,0.821], df[0.735,0.296], g[4.583,0.241]
1/1 [=====] - 0s 74ms/step
>1714, dr[0.432,0.842], df[0.223,0.476], g[4.783,0.296]
1/1 [=====] - 0s 79ms/step
>1715, dr[0.682,0.918], df[1.085,0.303], g[5.523,0.120]
1/1 [=====] - 0s 78ms/step
>1716, dr[0.910,0.910], df[0.191,0.147], g[4.761,0.189]
1/1 [=====] - 0s 83ms/step
>1717, dr[0.370,0.569], df[0.351,0.145], g[3.739,0.322]
1/1 [=====] - 0s 81ms/step
>1718, dr[0.201,0.551], df[0.170,0.077], g[4.256,0.084]
1/1 [=====] - 0s 73ms/step
>1719, dr[0.150,0.858], df[0.217,0.074], g[5.060,0.087]
1/1 [=====] - 0s 82ms/step
>1720, dr[0.298,0.513], df[0.107,0.081], g[4.061,0.179]
1/1 [=====] - 0s 75ms/step
>1721, dr[0.120,1.043], df[0.377,0.074], g[5.275,0.178]
1/1 [=====] - 0s 72ms/step
>1722, dr[0.757,1.081], df[0.464,0.091], g[4.698,0.096]
1/1 [=====] - 0s 72ms/step
>1723, dr[0.275,1.137], df[0.250,0.266], g[4.560,0.452]
1/1 [=====] - 0s 76ms/step
>1724, dr[0.229,0.831], df[0.256,0.184], g[4.906,0.190]
1/1 [=====] - 0s 69ms/step
>1725, dr[0.582,1.583], df[0.315,0.124], g[3.119,0.233]
1/1 [=====] - 0s 104ms/step
>1726, dr[0.108,0.657], df[0.298,0.290], g[4.457,0.204]
1/1 [=====] - 0s 84ms/step
>1727, dr[0.360,1.264], df[0.244,0.119], g[3.635,0.434]
1/1 [=====] - 0s 81ms/step
>1728, dr[0.114,0.546], df[0.318,0.163], g[4.190,0.126]
1/1 [=====] - 0s 86ms/step
>1729, dr[0.250,1.096], df[0.480,0.248], g[5.087,0.208]
1/1 [=====] - 0s 86ms/step
>1730, dr[0.806,1.299], df[0.520,0.170], g[3.266,0.171]
1/1 [=====] - 0s 81ms/step
>1731, dr[0.154,2.167], df[0.513,0.459], g[5.304,0.361]
1/1 [=====] - 0s 83ms/step
>1732, dr[0.897,0.547], df[0.253,0.293], g[1.921,0.369]
1/1 [=====] - 0s 85ms/step
>1733, dr[0.091,0.977], df[1.291,0.729], g[7.295,0.064]
1/1 [=====] - 0s 76ms/step
>1734, dr[1.524,0.484], df[0.157,0.140], g[3.989,0.184]
1/1 [=====] - 0s 72ms/step
>1735, dr[0.053,0.828], df[0.271,0.387], g[5.194,0.175]
1/1 [=====] - 0s 73ms/step
>1736, dr[1.544,0.470], df[1.836,0.265], g[3.842,0.269]
1/1 [=====] - 0s 79ms/step
>1737, dr[0.275,0.846], df[0.277,0.063], g[5.155,0.114]
1/1 [=====] - 0s 72ms/step
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>1738, dr[0.683,0.908], df[0.176,0.029], g[2.297,0.068]
1/1 [=====] - 0s 70ms/step
>1739, dr[0.120,0.399], df[0.938,0.536], g[5.696,0.043]
1/1 [=====] - 0s 85ms/step
>1740, dr[0.695,0.303], df[0.075,0.087], g[5.316,0.364]
1/1 [=====] - 0s 83ms/step
>1741, dr[0.316,0.485], df[0.222,0.120], g[3.077,0.073]
1/1 [=====] - 0s 78ms/step
>1742, dr[0.070,0.463], df[0.235,0.129], g[4.594,0.474]
1/1 [=====] - 0s 71ms/step
>1743, dr[0.388,1.054], df[0.357,0.164], g[3.823,0.124]
1/1 [=====] - 0s 70ms/step
>1744, dr[0.102,0.217], df[0.234,0.270], g[4.813,0.286]
1/1 [=====] - 0s 79ms/step
>1745, dr[0.522,0.911], df[0.523,0.112], g[4.123,0.029]
1/1 [=====] - 0s 81ms/step
>1746, dr[0.120,0.578], df[0.261,0.043], g[6.258,0.334]
1/1 [=====] - 0s 81ms/step
>1747, dr[0.978,1.468], df[0.411,0.144], g[3.027,0.170]
1/1 [=====] - 0s 81ms/step
>1748, dr[0.160,0.877], df[0.470,0.199], g[4.264,0.371]
1/1 [=====] - 0s 80ms/step
>1749, dr[0.391,0.410], df[0.561,0.325], g[5.826,0.224]
1/1 [=====] - 0s 74ms/step
>1750, dr[0.654,0.631], df[0.221,0.464], g[3.403,0.097]
1/1 [=====] - 0s 84ms/step
>1751, dr[0.794,1.090], df[1.283,0.194], g[4.228,0.092]
1/1 [=====] - 0s 83ms/step
>1752, dr[0.582,0.993], df[0.038,0.064], g[4.422,0.107]
1/1 [=====] - 0s 80ms/step
>1753, dr[0.223,0.393], df[0.591,0.016], g[5.511,0.291]
1/1 [=====] - 0s 83ms/step
>1754, dr[0.646,0.890], df[0.155,0.048], g[3.154,0.653]
1/1 [=====] - 0s 77ms/step
>1755, dr[0.202,0.504], df[0.393,0.106], g[4.516,0.371]
1/1 [=====] - 0s 83ms/step
>1756, dr[0.455,0.751], df[0.230,0.074], g[3.441,0.143]
1/1 [=====] - 0s 82ms/step
>1757, dr[0.633,1.113], df[1.191,0.238], g[5.196,0.394]
1/1 [=====] - 0s 77ms/step
>1758, dr[0.722,1.466], df[0.234,0.119], g[3.658,0.320]
1/1 [=====] - 0s 74ms/step
>1759, dr[0.190,0.436], df[0.459,0.189], g[4.522,0.171]
1/1 [=====] - 0s 70ms/step
>1760, dr[0.317,0.899], df[0.296,0.581], g[4.240,0.256]
1/1 [=====] - 0s 182ms/step
>1761, dr[0.497,0.378], df[0.771,0.332], g[4.596,0.231]
1/1 [=====] - 0s 86ms/step
>1762, dr[0.492,1.169], df[0.076,0.186], g[4.443,0.019]
1/1 [=====] - 0s 104ms/step
>1763, dr[0.086,0.240], df[0.194,0.007], g[4.257,0.212]
1/1 [=====] - 0s 89ms/step
>1764, dr[0.939,1.226], df[1.841,0.056], g[5.151,0.282]
1/1 [=====] - 0s 127ms/step
>1765, dr[1.135,1.565], df[0.723,0.354], g[4.535,0.088]
1/1 [=====] - 0s 126ms/step
>1766, dr[0.168,0.923], df[0.217,0.134], g[3.995,0.056]
1/1 [=====] - 0s 103ms/step
>1767, dr[0.250,0.471], df[0.406,0.068], g[5.128,0.200]
1/1 [=====] - 0s 115ms/step
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>1768, dr[0.479,0.497], df[0.389,0.072], g[3.572,0.274]
1/1 [=====] - 0s 115ms/step
>1769, dr[0.138,0.941], df[0.452,0.040], g[4.820,0.197]
1/1 [=====] - 0s 87ms/step
>1770, dr[0.609,0.405], df[0.265,0.108], g[3.537,0.363]
1/1 [=====] - 0s 86ms/step
>1771, dr[0.677,0.636], df[0.579,0.653], g[2.975,0.236]
1/1 [=====] - 0s 80ms/step
>1772, dr[0.346,0.938], df[0.943,0.048], g[5.760,0.304]
1/1 [=====] - 0s 85ms/step
>1773, dr[0.994,1.310], df[0.197,0.223], g[3.108,0.112]
1/1 [=====] - 0s 95ms/step
>1774, dr[0.094,0.712], df[0.384,0.258], g[4.762,0.091]
1/1 [=====] - 0s 80ms/step
>1775, dr[0.672,1.439], df[0.475,0.077], g[3.154,0.134]
1/1 [=====] - 0s 85ms/step
>1776, dr[0.109,1.254], df[0.279,0.121], g[5.372,0.093]
1/1 [=====] - 0s 85ms/step
>1777, dr[0.690,0.855], df[0.722,0.523], g[4.069,0.110]
1/1 [=====] - 0s 86ms/step
>1778, dr[0.239,0.666], df[0.394,0.123], g[5.285,0.024]
1/1 [=====] - 0s 76ms/step
>1779, dr[0.874,1.549], df[1.053,0.224], g[4.599,0.115]
1/1 [=====] - 0s 77ms/step
>1780, dr[0.331,0.401], df[0.196,0.157], g[4.882,0.211]
1/1 [=====] - 0s 80ms/step
>1781, dr[0.506,0.839], df[1.065,0.172], g[5.362,0.276]
1/1 [=====] - 0s 81ms/step
>1782, dr[0.533,0.292], df[0.063,0.437], g[3.318,0.246]
1/1 [=====] - 0s 86ms/step
>1783, dr[0.399,0.077], df[0.983,0.336], g[4.529,0.118]
1/1 [=====] - 0s 84ms/step
>1784, dr[0.452,0.238], df[0.286,0.399], g[5.039,0.147]
1/1 [=====] - 0s 87ms/step
>1785, dr[0.293,1.107], df[0.064,0.082], g[4.116,0.355]
1/1 [=====] - 0s 86ms/step
>1786, dr[0.516,0.610], df[1.351,0.430], g[5.879,0.132]
1/1 [=====] - 0s 82ms/step
>1787, dr[0.886,0.487], df[0.066,0.242], g[4.072,0.168]
1/1 [=====] - 0s 79ms/step
>1788, dr[0.138,1.240], df[0.494,0.174], g[3.819,0.505]
1/1 [=====] - 0s 78ms/step
>1789, dr[0.854,0.643], df[0.315,0.285], g[2.562,0.236]
1/1 [=====] - 0s 76ms/step
>1790, dr[0.233,1.116], df[0.446,0.201], g[3.673,0.412]
1/1 [=====] - 0s 72ms/step
>1791, dr[0.308,0.963], df[0.318,0.035], g[4.020,0.195]
1/1 [=====] - 0s 76ms/step
>1792, dr[0.628,1.062], df[0.341,0.248], g[2.624,0.555]
1/1 [=====] - 0s 84ms/step
>1793, dr[0.074,1.122], df[0.560,0.144], g[5.602,0.649]
1/1 [=====] - 0s 80ms/step
>1794, dr[0.184,0.847], df[0.080,0.276], g[5.437,0.269]
1/1 [=====] - 0s 80ms/step
>1795, dr[0.433,0.628], df[0.145,0.361], g[4.173,0.296]
1/1 [=====] - 0s 79ms/step
>1796, dr[0.580,1.554], df[0.645,0.083], g[2.865,0.055]
1/1 [=====] - 0s 81ms/step
>1797, dr[0.072,1.153], df[0.346,0.225], g[4.440,0.320]
1/1 [=====] - 0s 86ms/step
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>1798, dr[0.587,0.237], df[0.257,0.526], g[5.087,0.377]
1/1 [=====] - 0s 84ms/step
>1799, dr[0.552,0.667], df[0.534,0.622], g[4.743,0.139]
1/1 [=====] - 0s 89ms/step
>1800, dr[0.147,0.628], df[0.221,0.492], g[4.964,0.415]
1/1 [=====] - 0s 103ms/step
>1801, dr[0.743,0.797], df[0.695,0.396], g[5.346,0.121]
1/1 [=====] - 0s 84ms/step
>1802, dr[1.006,1.716], df[0.817,0.170], g[4.824,0.180]
1/1 [=====] - 0s 94ms/step
>1803, dr[0.521,1.044], df[0.141,0.215], g[3.520,0.108]
1/1 [=====] - 0s 85ms/step
>1804, dr[0.565,0.655], df[0.883,0.340], g[3.479,0.196]
1/1 [=====] - 0s 90ms/step
>1805, dr[0.455,0.636], df[0.068,0.279], g[3.128,0.202]
1/1 [=====] - 0s 81ms/step
>1806, dr[0.189,0.985], df[0.439,0.275], g[3.252,0.239]
1/1 [=====] - 0s 91ms/step
>1807, dr[0.185,1.570], df[0.278,0.089], g[4.242,0.191]
1/1 [=====] - 0s 93ms/step
>1808, dr[0.403,1.271], df[0.270,0.131], g[3.704,0.222]
1/1 [=====] - 0s 87ms/step
>1809, dr[0.517,0.661], df[0.511,0.069], g[2.648,0.149]
1/1 [=====] - 0s 96ms/step
>1810, dr[0.243,1.127], df[0.457,0.320], g[3.105,0.092]
1/1 [=====] - 0s 110ms/step
>1811, dr[0.193,1.878], df[0.128,0.178], g[3.373,0.088]
1/1 [=====] - 0s 119ms/step
>1812, dr[0.559,0.802], df[0.603,0.564], g[3.098,0.210]
1/1 [=====] - 0s 86ms/step
>1813, dr[0.071,2.043], df[0.569,0.134], g[5.788,0.202]
1/1 [=====] - 0s 97ms/step
>1814, dr[1.953,1.126], df[1.307,0.258], g[4.400,0.166]
1/1 [=====] - 0s 80ms/step
>1815, dr[0.384,0.429], df[0.347,0.311], g[6.286,0.238]
1/1 [=====] - 0s 95ms/step
>1816, dr[1.185,0.443], df[0.369,0.069], g[3.513,0.273]
1/1 [=====] - 0s 94ms/step
>1817, dr[0.158,1.223], df[0.413,0.045], g[4.313,0.339]
1/1 [=====] - 0s 101ms/step
>1818, dr[0.751,1.387], df[0.919,0.189], g[3.866,0.277]
1/1 [=====] - 0s 90ms/step
>1819, dr[0.331,2.152], df[0.419,0.106], g[4.455,0.230]
1/1 [=====] - 0s 87ms/step
>1820, dr[0.735,0.740], df[0.410,0.258], g[3.687,0.263]
1/1 [=====] - 0s 90ms/step
>1821, dr[0.196,0.673], df[0.571,0.162], g[3.994,0.224]
1/1 [=====] - 0s 92ms/step
>1822, dr[0.441,1.527], df[0.100,0.055], g[3.066,0.126]
1/1 [=====] - 0s 78ms/step
>1823, dr[0.114,0.808], df[0.114,0.268], g[3.127,0.149]
1/1 [=====] - 0s 102ms/step
>1824, dr[0.150,0.665], df[0.835,0.167], g[5.637,0.143]
1/1 [=====] - 0s 89ms/step
>1825, dr[0.626,0.809], df[0.107,0.363], g[3.871,0.167]
1/1 [=====] - 0s 85ms/step
>1826, dr[0.465,0.750], df[0.905,0.399], g[4.513,0.208]
1/1 [=====] - 0s 88ms/step
>1827, dr[0.244,0.414], df[0.043,0.312], g[4.259,0.175]
1/1 [=====] - 0s 116ms/step
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>1828, dr[1.198,0.629], df[2.211,0.157], g[6.176,0.311]
1/1 [=====] - 0s 80ms/step
>1829, dr[0.821,0.182], df[0.169,0.151], g[3.761,0.251]
1/1 [=====] - 0s 78ms/step
>1830, dr[0.474,1.139], df[1.102,0.197], g[5.456,0.076]
1/1 [=====] - 0s 80ms/step
>1831, dr[0.649,0.984], df[0.475,0.085], g[3.968,0.243]
1/1 [=====] - 0s 145ms/step
>1832, dr[0.238,0.506], df[0.512,0.345], g[5.036,0.113]
1/1 [=====] - 0s 89ms/step
>1833, dr[0.259,1.237], df[0.329,0.183], g[4.822,0.334]
1/1 [=====] - 0s 83ms/step
>1834, dr[0.319,0.788], df[0.571,0.308], g[5.255,0.106]
1/1 [=====] - 0s 100ms/step
>1835, dr[0.765,0.764], df[0.480,0.194], g[4.309,0.183]
1/1 [=====] - 0s 87ms/step
>1836, dr[0.620,0.458], df[0.374,0.048], g[2.957,0.286]
1/1 [=====] - 0s 99ms/step
>1837, dr[0.209,0.798], df[0.462,0.139], g[4.626,0.391]
1/1 [=====] - 0s 102ms/step
>1838, dr[0.448,0.421], df[0.078,0.294], g[3.891,0.237]
1/1 [=====] - 0s 93ms/step
>1839, dr[0.200,0.550], df[0.235,0.077], g[4.416,0.088]
1/1 [=====] - 0s 74ms/step
>1840, dr[0.397,0.910], df[0.334,0.192], g[3.603,0.261]
1/1 [=====] - 0s 82ms/step
>1841, dr[0.114,0.791], df[0.413,0.301], g[4.937,0.229]
1/1 [=====] - 0s 98ms/step
>1842, dr[0.610,1.398], df[0.689,0.165], g[5.120,0.041]
1/1 [=====] - 0s 99ms/step
>1843, dr[0.431,0.834], df[0.399,0.075], g[6.318,0.138]
1/1 [=====] - 0s 79ms/step
>1844, dr[1.443,1.726], df[0.730,0.145], g[2.220,0.084]
1/1 [=====] - 0s 78ms/step
>1845, dr[0.125,0.551], df[0.423,0.630], g[4.400,0.095]
1/1 [=====] - 0s 111ms/step
>1846, dr[0.219,0.852], df[0.130,0.126], g[5.157,0.210]
1/1 [=====] - 0s 128ms/step
>1847, dr[0.625,0.516], df[0.269,0.063], g[2.967,0.110]
1/1 [=====] - 0s 84ms/step
>1848, dr[0.182,0.925], df[0.492,0.010], g[3.286,0.279]
1/1 [=====] - 0s 77ms/step
>1849, dr[0.116,1.317], df[0.313,0.308], g[5.575,0.288]
1/1 [=====] - 0s 97ms/step
>1850, dr[0.802,0.722], df[0.423,0.321], g[2.885,0.156]
1/1 [=====] - 0s 96ms/step
>1851, dr[0.259,1.346], df[0.278,0.091], g[2.978,0.208]
1/1 [=====] - 0s 99ms/step
>1852, dr[0.083,1.103], df[0.265,0.023], g[4.764,0.294]
1/1 [=====] - 0s 89ms/step
>1853, dr[0.478,1.246], df[0.463,0.204], g[3.957,0.178]
1/1 [=====] - 0s 84ms/step
>1854, dr[0.762,0.530], df[0.430,0.024], g[3.161,0.120]
1/1 [=====] - 0s 79ms/step
>1855, dr[0.163,0.782], df[0.463,0.090], g[4.415,0.223]
1/1 [=====] - 0s 88ms/step
>1856, dr[0.271,0.451], df[0.138,0.096], g[4.737,0.122]
1/1 [=====] - 0s 88ms/step
>1857, dr[0.857,0.493], df[1.228,0.299], g[3.898,0.181]
1/1 [=====] - 0s 87ms/step
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>1858, dr[0.207,0.733], df[0.068,0.153], g[5.541,0.103]
1/1 [=====] - 0s 83ms/step
>1859, dr[0.614,1.389], df[0.760,0.364], g[3.270,0.225]
1/1 [=====] - 0s 76ms/step
>1860, dr[0.489,1.233], df[0.379,0.117], g[3.704,0.224]
1/1 [=====] - 0s 90ms/step
>1861, dr[0.445,0.838], df[0.409,0.061], g[2.971,0.202]
1/1 [=====] - 0s 116ms/step
>1862, dr[0.423,0.515], df[0.525,0.072], g[4.247,0.534]
1/1 [=====] - 0s 90ms/step
>1863, dr[0.305,0.893], df[0.294,0.114], g[5.095,0.149]
1/1 [=====] - 0s 87ms/step
>1864, dr[0.634,0.830], df[0.950,0.400], g[5.144,0.139]
1/1 [=====] - 0s 88ms/step
>1865, dr[0.433,1.315], df[0.170,0.517], g[4.133,0.106]
1/1 [=====] - 0s 91ms/step
>1866, dr[0.689,0.955], df[0.620,0.353], g[3.140,0.251]
1/1 [=====] - 0s 77ms/step
>1867, dr[0.126,0.328], df[0.200,0.535], g[4.835,0.232]
1/1 [=====] - 0s 83ms/step
>1868, dr[1.000,0.863], df[1.500,0.228], g[3.120,0.207]
1/1 [=====] - 0s 97ms/step
>1869, dr[0.341,0.807], df[0.214,0.078], g[3.739,0.239]
1/1 [=====] - 0s 81ms/step
>1870, dr[0.144,1.971], df[0.564,0.143], g[6.295,0.380]
1/1 [=====] - 0s 78ms/step
>1871, dr[1.479,0.822], df[0.816,0.320], g[3.774,0.132]
1/1 [=====] - 0s 74ms/step
>1872, dr[0.079,0.532], df[0.407,0.202], g[5.878,0.070]
1/1 [=====] - 0s 90ms/step
>1873, dr[0.459,0.767], df[0.278,0.137], g[4.679,0.289]
1/1 [=====] - 0s 93ms/step
>1874, dr[0.294,1.471], df[0.303,0.234], g[3.331,0.409]
4/4 [=====] - 0s 40ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 132ms/step
>1875, dr[0.390,0.623], df[0.578,0.105], g[4.248,0.396]
1/1 [=====] - 0s 117ms/step
>1876, dr[0.479,0.565], df[0.182,0.049], g[4.039,0.271]
1/1 [=====] - 0s 86ms/step
>1877, dr[0.159,0.596], df[0.504,0.176], g[5.011,0.027]
1/1 [=====] - 0s 110ms/step
>1878, dr[0.389,1.076], df[0.156,0.069], g[3.863,0.128]
1/1 [=====] - 0s 106ms/step
>1879, dr[0.266,1.723], df[0.428,0.097], g[4.050,0.140]
1/1 [=====] - 0s 90ms/step
>1880, dr[0.388,0.543], df[0.346,0.070], g[3.958,0.197]
1/1 [=====] - 0s 98ms/step
>1881, dr[0.462,1.230], df[0.373,0.108], g[3.793,0.212]
1/1 [=====] - 0s 97ms/step
>1882, dr[0.305,0.683], df[0.161,0.606], g[3.415,0.153]
1/1 [=====] - 0s 95ms/step
>1883, dr[0.132,0.735], df[0.265,0.311], g[4.079,0.463]
1/1 [=====] - 0s 89ms/step
>1884, dr[0.273,0.608], df[0.233,0.152], g[4.104,0.093]
1/1 [=====] - 0s 82ms/step
>1885, dr[0.587,1.014], df[0.850,0.512], g[3.106,0.087]
1/1 [=====] - 0s 85ms/step
```

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>1886, dr[0.587,1.261], df[0.581,0.629], g[3.291,0.217]
1/1 [=====] - 0s 82ms/step
>1887, dr[0.310,0.658], df[0.500,0.322], g[4.191,0.103]
1/1 [=====] - 0s 92ms/step
>1888, dr[0.508,0.732], df[0.809,0.272], g[5.336,0.126]
1/1 [=====] - 0s 103ms/step
>1889, dr[0.813,0.556], df[0.566,0.088], g[4.228,0.256]
1/1 [=====] - 0s 86ms/step
>1890, dr[0.176,0.373], df[0.732,0.078], g[5.473,0.366]
1/1 [=====] - 0s 104ms/step
>1891, dr[1.307,0.943], df[0.344,0.070], g[2.557,0.257]
1/1 [=====] - 0s 76ms/step
>1892, dr[0.199,0.530], df[1.025,0.065], g[4.051,0.192]
1/1 [=====] - 0s 100ms/step
>1893, dr[0.401,1.009], df[0.334,0.360], g[6.471,0.215]
1/1 [=====] - 0s 100ms/step
>1894, dr[0.672,0.606], df[0.491,0.171], g[3.703,0.097]
1/1 [=====] - 0s 84ms/step
>1895, dr[0.443,0.856], df[1.014,0.195], g[4.847,0.081]
1/1 [=====] - 0s 93ms/step
>1896, dr[0.635,1.336], df[0.200,0.038], g[3.917,0.086]
1/1 [=====] - 0s 91ms/step
>1897, dr[0.175,1.742], df[0.415,0.115], g[3.705,0.166]
1/1 [=====] - 0s 100ms/step
>1898, dr[0.666,1.284], df[0.629,0.303], g[4.005,0.322]
1/1 [=====] - 0s 88ms/step
>1899, dr[0.144,0.216], df[0.109,0.209], g[4.675,0.223]
1/1 [=====] - 0s 84ms/step
>1900, dr[0.383,0.615], df[0.265,0.185], g[3.463,0.106]
1/1 [=====] - 0s 100ms/step
>1901, dr[0.323,0.777], df[0.714,0.029], g[4.501,0.347]
1/1 [=====] - 0s 84ms/step
>1902, dr[0.960,0.549], df[0.870,0.432], g[3.267,0.310]
1/1 [=====] - 0s 77ms/step
>1903, dr[0.174,0.351], df[0.271,0.010], g[5.877,0.170]
1/1 [=====] - 0s 85ms/step
>1904, dr[1.168,0.683], df[0.614,0.117], g[2.297,0.210]
1/1 [=====] - 0s 79ms/step
>1905, dr[0.059,0.665], df[0.500,0.198], g[3.911,0.345]
1/1 [=====] - 0s 80ms/step
>1906, dr[0.639,1.400], df[0.424,0.128], g[4.050,0.269]
1/1 [=====] - 0s 97ms/step
>1907, dr[0.530,0.667], df[0.243,0.041], g[3.162,0.080]
1/1 [=====] - 0s 86ms/step
>1908, dr[0.401,0.554], df[0.463,0.263], g[2.085,0.336]
1/1 [=====] - 0s 97ms/step
>1909, dr[0.070,0.383], df[0.459,0.222], g[4.734,0.428]
1/1 [=====] - 0s 91ms/step
>1910, dr[0.945,0.694], df[1.817,0.329], g[6.783,0.170]
1/1 [=====] - 0s 203ms/step
>1911, dr[1.252,1.085], df[0.163,0.133], g[3.917,0.114]
1/1 [=====] - 0s 141ms/step
>1912, dr[0.246,0.821], df[0.781,0.446], g[5.427,0.156]
1/1 [=====] - 0s 118ms/step
>1913, dr[0.500,0.545], df[0.194,0.321], g[4.501,0.257]
1/1 [=====] - 0s 75ms/step
>1914, dr[0.583,0.753], df[0.684,0.232], g[3.951,0.244]
1/1 [=====] - 0s 90ms/step
>1915, dr[0.235,1.380], df[0.333,0.696], g[5.492,0.153]
1/1 [=====] - 0s 81ms/step
```

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>1916, dr[0.819,1.554], df[0.709,0.323], g[3.982,0.365]
1/1 [=====] - 0s 78ms/step
>1917, dr[0.323,1.426], df[0.303,0.396], g[4.332,0.488]
1/1 [=====] - 0s 102ms/step
>1918, dr[1.027,1.128], df[1.249,0.179], g[4.610,0.424]
1/1 [=====] - 0s 81ms/step
>1919, dr[0.758,1.335], df[0.199,0.073], g[5.111,0.265]
1/1 [=====] - 0s 82ms/step
>1920, dr[0.364,0.326], df[0.455,0.202], g[3.704,0.096]
1/1 [=====] - 0s 86ms/step
>1921, dr[0.170,0.511], df[0.253,0.308], g[4.827,0.147]
1/1 [=====] - 0s 84ms/step
>1922, dr[1.011,0.721], df[0.510,0.357], g[2.055,0.235]
1/1 [=====] - 0s 79ms/step
>1923, dr[0.052,0.463], df[0.584,0.093], g[4.213,0.030]
1/1 [=====] - 0s 78ms/step
>1924, dr[0.529,0.999], df[0.373,0.304], g[3.723,0.186]
1/1 [=====] - 0s 81ms/step
>1925, dr[0.745,0.984], df[0.459,0.107], g[3.989,0.141]
1/1 [=====] - 0s 112ms/step
>1926, dr[0.149,0.655], df[0.183,0.273], g[4.193,0.134]
1/1 [=====] - 0s 88ms/step
>1927, dr[0.473,0.295], df[0.735,0.169], g[5.391,0.233]
1/1 [=====] - 0s 89ms/step
>1928, dr[0.764,0.355], df[0.368,0.222], g[4.001,0.069]
1/1 [=====] - 0s 79ms/step
>1929, dr[0.381,0.822], df[0.474,0.268], g[4.601,0.206]
1/1 [=====] - 0s 79ms/step
>1930, dr[0.685,0.623], df[0.423,0.123], g[3.719,0.130]
1/1 [=====] - 0s 80ms/step
>1931, dr[0.272,0.730], df[0.594,0.391], g[4.135,0.267]
1/1 [=====] - 0s 83ms/step
>1932, dr[0.389,0.764], df[0.244,0.475], g[4.422,0.474]
1/1 [=====] - 0s 81ms/step
>1933, dr[0.897,1.684], df[0.538,0.156], g[2.730,0.153]
1/1 [=====] - 0s 85ms/step
>1934, dr[0.162,0.451], df[0.134,0.016], g[3.711,0.403]
1/1 [=====] - 0s 87ms/step
>1935, dr[0.241,1.079], df[0.414,0.200], g[4.103,0.142]
1/1 [=====] - 0s 74ms/step
>1936, dr[0.408,0.861], df[0.292,0.111], g[3.972,0.328]
1/1 [=====] - 0s 88ms/step
>1937, dr[0.167,0.406], df[0.320,0.260], g[3.444,0.169]
1/1 [=====] - 0s 81ms/step
>1938, dr[0.372,0.307], df[0.704,0.613], g[4.600,0.292]
1/1 [=====] - 0s 84ms/step
>1939, dr[0.330,0.580], df[0.313,0.164], g[5.538,0.429]
1/1 [=====] - 0s 81ms/step
>1940, dr[1.420,0.997], df[1.345,0.046], g[4.598,0.184]
1/1 [=====] - 0s 89ms/step
>1941, dr[0.741,1.194], df[0.485,0.137], g[3.383,0.322]
1/1 [=====] - 0s 78ms/step
>1942, dr[0.309,1.674], df[0.418,0.540], g[4.601,0.185]
1/1 [=====] - 0s 78ms/step
>1943, dr[0.527,1.862], df[0.303,0.068], g[4.286,0.213]
1/1 [=====] - 0s 83ms/step
>1944, dr[0.867,0.748], df[0.805,0.244], g[3.253,0.230]
1/1 [=====] - 0s 124ms/step
>1945, dr[0.169,1.093], df[0.300,0.228], g[5.449,0.136]
1/1 [=====] - 0s 97ms/step
```

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>1946, dr[1.219,0.664], df[0.927,0.398], g[1.857,0.083]
1/1 [=====] - 0s 107ms/step
>1947, dr[0.067,0.630], df[0.667,0.019], g[5.809,0.379]
1/1 [=====] - 0s 80ms/step
>1948, dr[0.736,0.922], df[0.231,0.703], g[4.815,0.300]
1/1 [=====] - 0s 86ms/step
>1949, dr[0.643,0.865], df[0.999,0.244], g[3.515,0.223]
1/1 [=====] - 0s 87ms/step
>1950, dr[0.372,0.418], df[0.108,0.181], g[3.333,0.200]
1/1 [=====] - 0s 84ms/step
>1951, dr[0.306,1.265], df[0.512,0.288], g[4.159,0.344]
1/1 [=====] - 0s 79ms/step
>1952, dr[0.343,0.819], df[0.084,0.202], g[3.140,0.354]
1/1 [=====] - 0s 83ms/step
>1953, dr[0.350,1.271], df[1.323,0.309], g[5.207,0.155]
1/1 [=====] - 0s 83ms/step
>1954, dr[0.589,1.250], df[0.332,0.017], g[4.213,0.204]
1/1 [=====] - 0s 95ms/step
>1955, dr[0.699,0.594], df[0.801,0.457], g[4.172,0.058]
1/1 [=====] - 0s 87ms/step
>1956, dr[0.519,0.736], df[0.309,0.367], g[3.361,0.352]
1/1 [=====] - 0s 90ms/step
>1957, dr[0.413,1.603], df[0.604,0.382], g[3.640,0.146]
1/1 [=====] - 0s 87ms/step
>1958, dr[0.420,0.718], df[0.853,0.011], g[4.293,0.254]
1/1 [=====] - 0s 87ms/step
>1959, dr[0.557,0.772], df[0.791,0.219], g[5.075,0.078]
1/1 [=====] - 0s 88ms/step
>1960, dr[0.717,0.558], df[0.285,0.193], g[3.350,0.037]
1/1 [=====] - 0s 80ms/step
>1961, dr[0.340,0.856], df[1.263,0.122], g[4.944,0.331]
1/1 [=====] - 0s 81ms/step
>1962, dr[0.947,1.143], df[0.126,0.145], g[2.480,0.328]
1/1 [=====] - 0s 80ms/step
>1963, dr[0.103,0.719], df[1.253,0.079], g[6.272,0.136]
1/1 [=====] - 0s 74ms/step
>1964, dr[0.602,1.569], df[0.145,0.040], g[4.191,0.043]
1/1 [=====] - 0s 79ms/step
>1965, dr[0.478,0.226], df[0.679,0.311], g[4.420,0.201]
1/1 [=====] - 0s 86ms/step
>1966, dr[0.241,1.338], df[0.155,0.205], g[3.600,0.270]
1/1 [=====] - 0s 67ms/step
>1967, dr[0.462,1.337], df[0.421,0.022], g[3.804,0.459]
1/1 [=====] - 0s 81ms/step
>1968, dr[0.217,1.225], df[0.337,0.360], g[4.452,0.229]
1/1 [=====] - 0s 78ms/step
>1969, dr[0.778,0.637], df[0.526,0.159], g[2.849,0.140]
1/1 [=====] - 0s 83ms/step
>1970, dr[0.172,0.764], df[0.365,0.244], g[3.185,0.465]
1/1 [=====] - 0s 85ms/step
>1971, dr[0.892,0.626], df[0.520,0.257], g[2.316,0.235]
1/1 [=====] - 0s 78ms/step
>1972, dr[0.225,1.064], df[0.407,0.135], g[4.061,0.144]
1/1 [=====] - 0s 97ms/step
>1973, dr[0.438,0.312], df[0.195,0.181], g[3.600,0.116]
1/1 [=====] - 0s 76ms/step
>1974, dr[0.282,0.801], df[0.340,0.422], g[3.624,0.348]
1/1 [=====] - 0s 85ms/step
>1975, dr[0.388,0.930], df[0.331,0.292], g[3.012,0.207]
1/1 [=====] - 0s 78ms/step
```

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>1976, dr[0.427,1.105], df[0.747,0.132], g[4.009,0.157]
1/1 [=====] - 0s 85ms/step
>1977, dr[0.613,0.494], df[0.452,0.141], g[5.181,0.235]
1/1 [=====] - 0s 79ms/step
>1978, dr[0.575,0.817], df[0.126,0.116], g[3.898,0.102]
1/1 [=====] - 0s 76ms/step
>1979, dr[0.473,1.162], df[0.693,0.271], g[4.709,0.194]
1/1 [=====] - 0s 76ms/step
>1980, dr[0.567,0.811], df[0.290,0.201], g[4.271,0.068]
1/1 [=====] - 0s 102ms/step
>1981, dr[0.552,1.883], df[0.926,0.320], g[4.095,0.368]
1/1 [=====] - 0s 92ms/step
>1982, dr[0.628,0.700], df[0.342,0.059], g[3.686,0.236]
1/1 [=====] - 0s 100ms/step
>1983, dr[0.641,1.382], df[0.973,0.656], g[4.330,0.147]
1/1 [=====] - 0s 106ms/step
>1984, dr[0.472,0.742], df[0.353,0.421], g[4.797,0.096]
1/1 [=====] - 0s 82ms/step
>1985, dr[0.301,0.558], df[0.148,0.420], g[3.933,0.200]
1/1 [=====] - 0s 78ms/step
>1986, dr[0.511,0.927], df[0.691,0.056], g[3.330,0.143]
1/1 [=====] - 0s 96ms/step
>1987, dr[0.370,0.923], df[0.437,0.336], g[3.229,0.146]
1/1 [=====] - 0s 88ms/step
>1988, dr[0.380,0.308], df[0.370,0.125], g[3.697,0.040]
1/1 [=====] - 0s 93ms/step
>1989, dr[0.308,0.275], df[0.139,0.043], g[2.983,0.232]
1/1 [=====] - 0s 106ms/step
>1990, dr[0.256,0.536], df[0.603,0.242], g[4.307,0.226]
1/1 [=====] - 0s 92ms/step
>1991, dr[0.434,0.783], df[0.421,0.153], g[4.221,0.509]
1/1 [=====] - 0s 91ms/step
>1992, dr[0.317,1.213], df[0.237,0.112], g[4.018,0.211]
1/1 [=====] - 0s 88ms/step
>1993, dr[0.250,0.406], df[0.317,0.141], g[4.014,0.194]
1/1 [=====] - 0s 96ms/step
>1994, dr[0.439,1.340], df[0.309,0.099], g[3.164,0.229]
1/1 [=====] - 0s 88ms/step
>1995, dr[0.365,0.473], df[0.938,0.348], g[5.954,0.279]
1/1 [=====] - 0s 69ms/step
>1996, dr[0.652,0.924], df[0.078,0.074], g[3.665,0.769]
1/1 [=====] - 0s 87ms/step
>1997, dr[0.543,0.625], df[0.433,0.139], g[2.889,0.242]
1/1 [=====] - 0s 77ms/step
>1998, dr[0.235,0.710], df[0.634,0.110], g[4.467,0.165]
1/1 [=====] - 0s 71ms/step
>1999, dr[0.440,0.546], df[0.139,0.039], g[3.872,0.169]
1/1 [=====] - 0s 82ms/step
>2000, dr[0.185,0.542], df[0.465,0.276], g[5.153,0.276]
1/1 [=====] - 0s 87ms/step
>2001, dr[1.139,0.442], df[1.022,0.535], g[4.057,0.164]
1/1 [=====] - 0s 87ms/step
>2002, dr[0.233,1.261], df[0.445,0.348], g[5.344,0.112]
1/1 [=====] - 0s 85ms/step
>2003, dr[0.570,0.467], df[0.149,0.079], g[4.389,0.140]
1/1 [=====] - 0s 84ms/step
>2004, dr[0.243,1.341], df[0.341,0.071], g[3.146,0.382]
1/1 [=====] - 0s 75ms/step
>2005, dr[0.223,0.861], df[0.240,0.210], g[3.523,0.391]
1/1 [=====] - 0s 81ms/step
```

```
>2006, dr[0.528,0.501], df[0.410,0.340], g[4.073,0.177]
1/1 [=====] - 0s 80ms/step
>2007, dr[0.404,0.471], df[0.865,0.056], g[4.116,0.195]
1/1 [=====] - 0s 110ms/step
>2008, dr[0.684,0.673], df[0.662,0.027], g[4.147,0.081]
1/1 [=====] - 0s 80ms/step
>2009, dr[0.329,1.067], df[0.177,0.217], g[3.907,0.281]
1/1 [=====] - 0s 79ms/step
>2010, dr[0.253,0.838], df[0.355,0.420], g[4.318,0.188]
1/1 [=====] - 0s 96ms/step
>2011, dr[0.780,1.440], df[0.903,0.465], g[3.433,0.523]
1/1 [=====] - 0s 99ms/step
>2012, dr[0.364,0.955], df[0.477,0.140], g[4.247,0.455]
1/1 [=====] - 0s 89ms/step
>2013, dr[0.492,0.474], df[0.241,0.233], g[3.799,0.421]
1/1 [=====] - 0s 95ms/step
>2014, dr[0.452,0.583], df[0.460,0.058], g[2.895,0.358]
1/1 [=====] - 0s 84ms/step
>2015, dr[0.230,0.982], df[0.368,0.480], g[3.896,0.061]
1/1 [=====] - 0s 72ms/step
>2016, dr[0.196,0.158], df[0.353,0.069], g[4.809,0.144]
1/1 [=====] - 0s 76ms/step
>2017, dr[1.271,2.102], df[1.345,0.279], g[3.455,0.330]
1/1 [=====] - 0s 96ms/step
>2018, dr[0.227,1.052], df[0.630,0.060], g[5.479,0.273]
1/1 [=====] - 0s 73ms/step
>2019, dr[1.221,1.313], df[0.479,0.567], g[3.988,0.121]
1/1 [=====] - 0s 90ms/step
>2020, dr[0.460,0.957], df[0.942,0.019], g[4.311,0.090]
1/1 [=====] - 0s 82ms/step
>2021, dr[0.379,0.487], df[0.192,0.200], g[4.309,0.344]
1/1 [=====] - 0s 73ms/step
>2022, dr[0.716,0.910], df[0.478,0.143], g[2.894,0.078]
1/1 [=====] - 0s 82ms/step
>2023, dr[0.336,1.046], df[0.395,0.168], g[3.298,0.262]
1/1 [=====] - 0s 86ms/step
>2024, dr[0.198,0.386], df[0.243,0.167], g[3.763,0.141]
1/1 [=====] - 0s 72ms/step
>2025, dr[0.305,0.546], df[0.461,0.400], g[4.312,0.095]
1/1 [=====] - 0s 77ms/step
>2026, dr[0.711,0.971], df[0.304,0.049], g[2.781,0.309]
1/1 [=====] - 0s 94ms/step
>2027, dr[0.167,0.618], df[0.474,0.261], g[4.370,0.166]
1/1 [=====] - 0s 80ms/step
>2028, dr[0.927,1.261], df[0.664,0.182], g[3.729,0.074]
1/1 [=====] - 0s 90ms/step
>2029, dr[0.321,1.237], df[0.644,0.255], g[4.981,0.309]
1/1 [=====] - 0s 89ms/step
>2030, dr[0.721,1.338], df[0.510,0.323], g[3.367,0.289]
1/1 [=====] - 0s 73ms/step
>2031, dr[0.337,1.413], df[0.249,0.162], g[3.182,0.206]
1/1 [=====] - 0s 93ms/step
>2032, dr[0.140,0.655], df[0.377,0.293], g[3.965,0.354]
1/1 [=====] - 0s 108ms/step
>2033, dr[0.415,0.691], df[0.614,0.784], g[3.369,0.208]
1/1 [=====] - 0s 90ms/step
>2034, dr[0.731,0.361], df[0.948,0.227], g[4.005,0.220]
1/1 [=====] - 0s 85ms/step
>2035, dr[0.572,0.931], df[0.203,0.384], g[3.815,0.384]
1/1 [=====] - 0s 129ms/step
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>2036, dr[0.424,0.876], df[0.341,0.144], g[3.032,0.240]
1/1 [=====] - 0s 95ms/step
>2037, dr[0.378,1.156], df[0.644,0.472], g[4.581,0.290]
1/1 [=====] - 0s 215ms/step
>2038, dr[0.743,0.540], df[0.637,0.105], g[4.538,0.324]
1/1 [=====] - 0s 119ms/step
>2039, dr[0.807,0.880], df[0.620,0.172], g[4.067,0.152]
1/1 [=====] - 0s 88ms/step
>2040, dr[0.791,1.898], df[0.721,0.162], g[2.979,0.294]
1/1 [=====] - 0s 107ms/step
>2041, dr[0.168,1.229], df[0.156,0.121], g[4.151,0.190]
1/1 [=====] - 0s 95ms/step
>2042, dr[0.404,0.527], df[0.138,0.062], g[2.396,0.232]
1/1 [=====] - 0s 90ms/step
>2043, dr[0.205,0.548], df[0.781,0.052], g[3.579,0.460]
1/1 [=====] - 0s 102ms/step
>2044, dr[0.265,0.847], df[0.222,0.257], g[4.174,0.188]
1/1 [=====] - 0s 104ms/step
>2045, dr[0.584,1.223], df[0.121,0.125], g[2.745,0.312]
1/1 [=====] - 0s 84ms/step
>2046, dr[0.165,0.287], df[0.289,0.133], g[3.558,0.184]
1/1 [=====] - 0s 87ms/step
>2047, dr[0.317,0.993], df[0.471,0.061], g[3.749,0.242]
1/1 [=====] - 0s 98ms/step
>2048, dr[0.366,0.405], df[0.221,0.359], g[4.191,0.350]
1/1 [=====] - 0s 89ms/step
>2049, dr[0.506,0.742], df[0.511,0.174], g[4.065,0.522]
1/1 [=====] - 0s 88ms/step
>2050, dr[0.735,0.829], df[0.538,0.218], g[2.803,0.255]
1/1 [=====] - 0s 91ms/step
>2051, dr[0.292,0.947], df[0.527,0.112], g[5.006,0.165]
1/1 [=====] - 0s 88ms/step
>2052, dr[0.753,0.313], df[0.408,0.233], g[2.806,0.258]
1/1 [=====] - 0s 91ms/step
>2053, dr[0.346,0.351], df[0.564,0.487], g[4.182,0.213]
1/1 [=====] - 0s 95ms/step
>2054, dr[0.502,1.170], df[0.429,0.177], g[3.597,0.378]
1/1 [=====] - 0s 93ms/step
>2055, dr[0.250,0.706], df[0.197,0.440], g[3.850,0.297]
1/1 [=====] - 0s 95ms/step
>2056, dr[0.225,1.466], df[0.183,0.103], g[3.368,0.277]
1/1 [=====] - 0s 82ms/step
>2057, dr[0.561,1.186], df[0.837,0.535], g[4.222,0.241]
1/1 [=====] - 0s 83ms/step
>2058, dr[0.521,1.684], df[0.455,0.088], g[3.535,0.335]
1/1 [=====] - 0s 88ms/step
>2059, dr[0.224,0.191], df[0.369,0.559], g[4.687,0.384]
1/1 [=====] - 0s 93ms/step
>2060, dr[0.321,1.109], df[0.244,0.008], g[4.610,0.120]
1/1 [=====] - 0s 84ms/step
>2061, dr[0.430,0.743], df[0.563,0.086], g[4.648,0.490]
1/1 [=====] - 0s 84ms/step
>2062, dr[0.331,0.426], df[0.247,0.287], g[3.487,0.081]
1/1 [=====] - 0s 80ms/step
>2063, dr[0.246,0.462], df[0.418,0.037], g[4.914,0.209]
1/1 [=====] - 0s 79ms/step
>2064, dr[0.947,1.046], df[0.266,0.186], g[3.541,0.189]
1/1 [=====] - 0s 89ms/step
>2065, dr[0.153,0.986], df[0.738,0.175], g[4.770,0.079]
1/1 [=====] - 0s 94ms/step
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>2066, dr[0.952,0.739], df[0.432,0.326], g[2.945,0.282]
1/1 [=====] - 0s 83ms/step
>2067, dr[0.355,1.405], df[0.573,0.028], g[3.744,0.497]
1/1 [=====] - 0s 81ms/step
>2068, dr[0.386,0.837], df[0.466,0.213], g[3.559,0.177]
1/1 [=====] - 0s 72ms/step
>2069, dr[0.388,0.975], df[0.142,0.003], g[2.824,0.114]
1/1 [=====] - 0s 87ms/step
>2070, dr[0.122,0.995], df[0.384,0.120], g[3.252,0.439]
1/1 [=====] - 0s 80ms/step
>2071, dr[0.510,0.525], df[0.743,0.203], g[4.549,0.332]
1/1 [=====] - 0s 89ms/step
>2072, dr[0.498,0.362], df[0.359,0.286], g[3.886,0.147]
1/1 [=====] - 0s 77ms/step
>2073, dr[0.500,1.290], df[0.501,0.127], g[3.876,0.164]
1/1 [=====] - 0s 88ms/step
>2074, dr[0.788,0.903], df[0.347,0.283], g[2.835,0.088]
1/1 [=====] - 0s 82ms/step
>2075, dr[0.248,0.247], df[0.566,0.269], g[4.315,0.147]
1/1 [=====] - 0s 90ms/step
>2076, dr[0.539,0.485], df[0.218,0.140], g[2.992,0.086]
1/1 [=====] - 0s 91ms/step
>2077, dr[0.233,0.240], df[0.934,0.182], g[4.857,0.270]
1/1 [=====] - 0s 72ms/step
>2078, dr[0.537,0.986], df[0.173,0.103], g[3.405,0.110]
1/1 [=====] - 0s 84ms/step
>2079, dr[0.110,0.402], df[0.189,0.033], g[3.942,0.242]
1/1 [=====] - 0s 83ms/step
>2080, dr[0.430,0.498], df[0.498,0.501], g[3.546,0.147]
1/1 [=====] - 0s 86ms/step
>2081, dr[0.170,0.466], df[0.240,0.333], g[5.047,0.170]
1/1 [=====] - 0s 85ms/step
>2082, dr[0.631,1.469], df[0.537,0.251], g[2.326,0.338]
1/1 [=====] - 0s 81ms/step
>2083, dr[0.172,0.709], df[0.674,0.594], g[5.141,0.337]
1/1 [=====] - 0s 79ms/step
>2084, dr[0.770,0.703], df[0.356,0.142], g[4.079,0.256]
1/1 [=====] - 0s 71ms/step
>2085, dr[0.328,0.466], df[0.282,0.279], g[3.895,0.069]
1/1 [=====] - 0s 84ms/step
>2086, dr[0.310,0.805], df[0.350,0.133], g[3.574,0.238]
1/1 [=====] - 0s 96ms/step
>2087, dr[0.267,1.154], df[0.419,0.297], g[4.654,0.079]
1/1 [=====] - 0s 85ms/step
>2088, dr[0.353,0.325], df[0.400,0.046], g[4.331,0.149]
1/1 [=====] - 0s 84ms/step
>2089, dr[0.441,1.215], df[0.574,0.093], g[5.234,0.175]
1/1 [=====] - 0s 123ms/step
>2090, dr[0.758,0.923], df[0.384,0.297], g[4.871,0.333]
1/1 [=====] - 0s 123ms/step
>2091, dr[0.235,0.688], df[0.285,0.165], g[4.395,0.129]
1/1 [=====] - 0s 85ms/step
>2092, dr[0.651,1.564], df[0.370,0.134], g[4.046,0.101]
1/1 [=====] - 0s 82ms/step
>2093, dr[0.283,2.565], df[0.374,0.194], g[3.660,0.142]
1/1 [=====] - 0s 80ms/step
>2094, dr[0.530,0.491], df[0.460,0.318], g[3.663,0.231]
1/1 [=====] - 0s 78ms/step
>2095, dr[0.316,0.770], df[0.546,0.391], g[4.435,0.204]
1/1 [=====] - 0s 85ms/step
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>2096, dr[0.412,0.572], df[0.508,0.159], g[3.508,0.407]
1/1 [=====] - 0s 95ms/step
>2097, dr[0.498,1.070], df[0.707,0.473], g[6.476,0.037]
1/1 [=====] - 0s 85ms/step
>2098, dr[0.916,0.606], df[0.343,0.715], g[3.323,0.516]
1/1 [=====] - 0s 87ms/step
>2099, dr[0.452,1.230], df[0.408,0.071], g[3.003,0.132]
1/1 [=====] - 0s 79ms/step
>2100, dr[0.087,1.313], df[0.315,0.071], g[3.458,0.146]
1/1 [=====] - 0s 83ms/step
>2101, dr[0.922,0.375], df[0.573,0.189], g[3.141,0.233]
1/1 [=====] - 0s 170ms/step
>2102, dr[0.521,1.185], df[0.864,0.275], g[5.180,0.402]
1/1 [=====] - 0s 89ms/step
>2103, dr[1.112,1.500], df[0.349,0.338], g[3.309,0.120]
1/1 [=====] - 0s 83ms/step
>2104, dr[0.189,1.331], df[0.276,0.006], g[4.419,0.262]
1/1 [=====] - 0s 95ms/step
>2105, dr[0.283,0.501], df[0.228,0.195], g[4.390,0.475]
1/1 [=====] - 0s 83ms/step
>2106, dr[0.238,1.672], df[0.330,0.271], g[3.822,0.288]
1/1 [=====] - 0s 90ms/step
>2107, dr[0.315,0.392], df[0.179,0.361], g[3.216,0.173]
1/1 [=====] - 0s 85ms/step
>2108, dr[0.466,0.739], df[0.847,0.150], g[4.701,0.250]
1/1 [=====] - 0s 76ms/step
>2109, dr[0.769,0.396], df[0.885,0.193], g[5.259,0.246]
1/1 [=====] - 0s 82ms/step
>2110, dr[0.439,0.367], df[0.123,0.229], g[5.510,0.531]
1/1 [=====] - 0s 81ms/step
>2111, dr[1.276,1.681], df[1.611,0.347], g[2.751,0.216]
1/1 [=====] - 0s 81ms/step
>2112, dr[0.225,1.090], df[0.369,0.187], g[5.318,0.221]
1/1 [=====] - 0s 82ms/step
>2113, dr[1.508,1.236], df[0.857,0.106], g[2.132,0.310]
1/1 [=====] - 0s 76ms/step
>2114, dr[0.234,1.257], df[0.410,0.170], g[2.988,0.748]
1/1 [=====] - 0s 69ms/step
>2115, dr[0.201,0.880], df[0.366,0.336], g[4.251,0.071]
1/1 [=====] - 0s 84ms/step
>2116, dr[0.426,0.786], df[0.222,0.097], g[3.342,0.219]
1/1 [=====] - 0s 78ms/step
>2117, dr[0.536,1.147], df[1.196,0.230], g[5.067,0.187]
1/1 [=====] - 0s 81ms/step
>2118, dr[0.782,1.006], df[0.208,0.230], g[4.289,0.135]
1/1 [=====] - 0s 70ms/step
>2119, dr[0.685,1.557], df[0.653,0.027], g[3.211,0.443]
1/1 [=====] - 0s 87ms/step
>2120, dr[0.404,0.638], df[0.342,0.461], g[4.071,0.244]
1/1 [=====] - 0s 71ms/step
>2121, dr[0.330,1.168], df[0.243,0.323], g[3.968,0.164]
1/1 [=====] - 0s 72ms/step
>2122, dr[0.491,0.361], df[0.812,0.251], g[3.295,0.411]
1/1 [=====] - 0s 79ms/step
>2123, dr[0.401,1.422], df[0.562,0.081], g[4.451,0.214]
1/1 [=====] - 0s 85ms/step
>2124, dr[0.735,0.433], df[0.632,0.137], g[2.499,0.073]
1/1 [=====] - 0s 86ms/step
>2125, dr[0.216,0.751], df[0.722,0.255], g[5.951,0.098]
1/1 [=====] - 0s 89ms/step
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>2126, dr[1.080,0.688], df[0.629,0.022], g[3.936,0.276]
1/1 [=====] - 0s 81ms/step
>2127, dr[0.274,0.472], df[0.561,0.434], g[4.108,0.317]
1/1 [=====] - 0s 77ms/step
>2128, dr[0.679,1.245], df[0.301,0.322], g[3.528,0.119]
1/1 [=====] - 0s 83ms/step
>2129, dr[0.275,1.281], df[0.662,0.189], g[4.010,0.250]
1/1 [=====] - 0s 80ms/step
>2130, dr[0.835,0.713], df[0.480,0.033], g[2.370,0.111]
1/1 [=====] - 0s 80ms/step
>2131, dr[0.159,1.525], df[0.523,0.255], g[3.910,0.298]
1/1 [=====] - 0s 94ms/step
>2132, dr[0.656,0.697], df[0.375,0.036], g[3.312,0.144]
1/1 [=====] - 0s 95ms/step
>2133, dr[0.497,0.328], df[0.747,0.245], g[4.038,0.253]
1/1 [=====] - 0s 81ms/step
>2134, dr[0.816,0.649], df[0.311,0.055], g[2.791,0.318]
1/1 [=====] - 0s 75ms/step
>2135, dr[0.387,0.802], df[0.491,0.063], g[3.193,0.320]
1/1 [=====] - 0s 90ms/step
>2136, dr[0.850,1.029], df[1.118,0.598], g[3.599,0.179]
1/1 [=====] - 0s 83ms/step
>2137, dr[0.367,1.274], df[0.095,0.168], g[3.262,0.293]
1/1 [=====] - 0s 71ms/step
>2138, dr[0.240,0.791], df[1.157,0.494], g[5.230,0.417]
1/1 [=====] - 0s 72ms/step
>2139, dr[1.152,0.607], df[0.259,0.042], g[3.766,0.057]
1/1 [=====] - 0s 79ms/step
>2140, dr[0.373,1.364], df[0.895,0.059], g[4.244,0.113]
1/1 [=====] - 0s 75ms/step
>2141, dr[0.782,1.192], df[0.484,0.120], g[4.240,0.352]
1/1 [=====] - 0s 71ms/step
>2142, dr[0.255,0.987], df[0.164,0.013], g[4.470,0.214]
1/1 [=====] - 0s 75ms/step
>2143, dr[0.566,1.019], df[0.494,0.808], g[3.339,0.420]
1/1 [=====] - 0s 73ms/step
>2144, dr[0.451,0.567], df[0.581,0.069], g[3.573,0.174]
1/1 [=====] - 0s 80ms/step
>2145, dr[0.498,0.931], df[0.405,0.299], g[4.092,0.402]
1/1 [=====] - 0s 74ms/step
>2146, dr[0.204,0.915], df[0.375,0.079], g[4.398,0.246]
1/1 [=====] - 0s 74ms/step
>2147, dr[0.854,1.062], df[0.655,0.045], g[4.359,0.144]
1/1 [=====] - 0s 78ms/step
>2148, dr[0.975,1.336], df[0.412,0.252], g[3.468,0.181]
1/1 [=====] - 0s 68ms/step
>2149, dr[0.339,0.649], df[0.762,0.446], g[4.925,0.483]
1/1 [=====] - 0s 69ms/step
>2150, dr[0.955,0.562], df[1.194,0.337], g[4.697,0.148]
1/1 [=====] - 0s 74ms/step
>2151, dr[0.669,0.547], df[0.379,0.032], g[4.742,0.149]
1/1 [=====] - 0s 74ms/step
>2152, dr[0.944,0.523], df[0.241,0.124], g[2.852,0.144]
1/1 [=====] - 0s 79ms/step
>2153, dr[0.131,0.956], df[0.849,0.279], g[4.958,0.176]
1/1 [=====] - 0s 73ms/step
>2154, dr[1.192,0.927], df[1.095,0.365], g[3.519,0.763]
1/1 [=====] - 0s 76ms/step
>2155, dr[0.326,1.490], df[0.390,0.414], g[5.453,0.271]
1/1 [=====] - 0s 70ms/step
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>2156, dr[1.116,1.641], df[0.219,0.157], g[2.381,0.192]
1/1 [=====] - 0s 72ms/step
>2157, dr[0.139,0.677], df[1.119,0.120], g[5.050,0.109]
1/1 [=====] - 0s 77ms/step
>2158, dr[0.677,0.795], df[0.121,0.292], g[4.032,0.235]
1/1 [=====] - 0s 68ms/step
>2159, dr[0.913,0.240], df[0.396,0.015], g[2.203,0.256]
1/1 [=====] - 0s 81ms/step
>2160, dr[0.214,0.580], df[0.561,0.151], g[4.002,0.172]
1/1 [=====] - 0s 79ms/step
>2161, dr[0.248,0.490], df[0.175,0.378], g[3.623,0.321]
1/1 [=====] - 0s 87ms/step
>2162, dr[0.292,0.709], df[0.169,0.149], g[3.262,0.233]
1/1 [=====] - 0s 84ms/step
>2163, dr[0.202,0.800], df[0.363,0.059], g[3.469,0.165]
1/1 [=====] - 0s 80ms/step
>2164, dr[0.798,1.366], df[1.025,0.065], g[4.316,0.103]
1/1 [=====] - 0s 79ms/step
>2165, dr[0.412,0.459], df[0.332,0.040], g[5.218,0.087]
1/1 [=====] - 0s 82ms/step
>2166, dr[0.501,1.144], df[0.429,0.231], g[4.532,0.150]
1/1 [=====] - 0s 79ms/step
>2167, dr[0.695,0.672], df[0.524,0.289], g[2.901,0.327]
1/1 [=====] - 0s 76ms/step
>2168, dr[0.465,0.374], df[0.519,0.242], g[3.199,0.151]
1/1 [=====] - 0s 79ms/step
>2169, dr[0.401,0.364], df[0.304,0.194], g[3.186,0.323]
1/1 [=====] - 0s 76ms/step
>2170, dr[0.390,0.338], df[0.599,0.266], g[4.032,0.159]
1/1 [=====] - 0s 91ms/step
>2171, dr[0.585,0.761], df[0.355,0.168], g[3.056,0.214]
1/1 [=====] - 0s 82ms/step
>2172, dr[0.394,0.714], df[0.567,0.079], g[4.018,0.200]
1/1 [=====] - 0s 84ms/step
>2173, dr[0.377,0.490], df[0.562,0.042], g[4.952,0.294]
1/1 [=====] - 0s 90ms/step
>2174, dr[0.689,0.835], df[0.143,0.068], g[2.855,0.152]
1/1 [=====] - 0s 80ms/step
>2175, dr[0.555,0.856], df[1.194,0.632], g[3.252,0.210]
1/1 [=====] - 0s 75ms/step
>2176, dr[0.334,1.422], df[0.350,0.650], g[4.738,0.288]
1/1 [=====] - 0s 75ms/step
>2177, dr[0.664,0.346], df[0.650,0.016], g[4.701,0.197]
1/1 [=====] - 0s 84ms/step
>2178, dr[0.756,0.741], df[0.314,0.306], g[3.657,0.128]
1/1 [=====] - 0s 86ms/step
>2179, dr[0.335,0.552], df[0.678,0.211], g[4.226,0.297]
1/1 [=====] - 0s 83ms/step
>2180, dr[0.194,0.352], df[0.353,0.017], g[4.603,0.192]
1/1 [=====] - 0s 82ms/step
>2181, dr[0.671,0.649], df[0.482,0.473], g[3.301,0.278]
1/1 [=====] - 0s 85ms/step
>2182, dr[0.252,0.671], df[0.232,0.413], g[3.818,0.215]
1/1 [=====] - 0s 86ms/step
>2183, dr[0.467,1.539], df[0.648,0.051], g[3.752,0.335]
1/1 [=====] - 0s 86ms/step
>2184, dr[0.382,0.772], df[0.772,0.447], g[4.822,0.058]
1/1 [=====] - 0s 79ms/step
>2185, dr[1.148,1.537], df[0.425,0.046], g[3.165,0.246]
1/1 [=====] - 0s 80ms/step
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>2186, dr[0.147,0.908], df[0.354,0.018], g[3.851,0.530]
1/1 [=====] - 0s 85ms/step
>2187, dr[0.933,1.772], df[1.232,0.180], g[4.583,0.134]
1/1 [=====] - 0s 80ms/step
>2188, dr[0.408,1.618], df[0.183,0.125], g[3.481,0.268]
1/1 [=====] - 0s 84ms/step
>2189, dr[0.277,0.910], df[0.447,0.054], g[3.627,0.096]
1/1 [=====] - 0s 73ms/step
>2190, dr[0.417,0.981], df[0.436,0.128], g[3.883,0.047]
1/1 [=====] - 0s 76ms/step
>2191, dr[0.481,0.399], df[0.333,0.091], g[3.752,0.188]
1/1 [=====] - 0s 79ms/step
>2192, dr[0.356,0.916], df[0.386,0.242], g[3.891,0.449]
1/1 [=====] - 0s 73ms/step
>2193, dr[0.286,1.099], df[0.419,0.555], g[4.290,0.296]
1/1 [=====] - 0s 73ms/step
>2194, dr[0.553,0.861], df[0.233,0.682], g[2.215,0.368]
1/1 [=====] - 0s 80ms/step
>2195, dr[0.124,0.521], df[0.272,0.335], g[3.384,0.073]
1/1 [=====] - 0s 100ms/step
>2196, dr[0.150,0.737], df[0.378,0.422], g[5.006,0.201]
1/1 [=====] - 0s 96ms/step
>2197, dr[0.732,0.836], df[0.244,0.331], g[3.442,0.234]
1/1 [=====] - 0s 78ms/step
>2198, dr[0.559,0.397], df[1.450,0.224], g[5.891,0.275]
1/1 [=====] - 0s 72ms/step
>2199, dr[0.887,0.688], df[0.301,0.218], g[4.558,0.299]
1/1 [=====] - 0s 73ms/step
>2200, dr[0.328,1.640], df[0.304,0.260], g[3.916,0.604]
1/1 [=====] - 0s 73ms/step
>2201, dr[0.896,0.582], df[1.226,0.448], g[3.168,0.193]
1/1 [=====] - 0s 94ms/step
>2202, dr[0.646,1.080], df[0.340,0.151], g[4.163,0.313]
1/1 [=====] - 0s 82ms/step
>2203, dr[0.301,1.013], df[0.398,0.294], g[3.993,0.272]
1/1 [=====] - 0s 94ms/step
>2204, dr[0.773,0.608], df[0.975,0.373], g[3.795,0.119]
1/1 [=====] - 0s 88ms/step
>2205, dr[0.227,0.816], df[0.613,0.382], g[5.308,0.353]
1/1 [=====] - 0s 86ms/step
>2206, dr[1.099,0.657], df[0.760,0.349], g[2.668,0.217]
1/1 [=====] - 0s 90ms/step
>2207, dr[0.325,0.952], df[0.297,0.364], g[4.115,0.216]
1/1 [=====] - 0s 78ms/step
>2208, dr[0.536,1.216], df[0.672,0.369], g[3.552,0.156]
1/1 [=====] - 0s 83ms/step
>2209, dr[0.693,1.022], df[0.581,1.053], g[2.876,0.096]
1/1 [=====] - 0s 79ms/step
>2210, dr[0.238,1.284], df[0.752,0.060], g[4.762,0.314]
1/1 [=====] - 0s 89ms/step
>2211, dr[1.170,1.031], df[0.723,0.084], g[3.786,0.242]
1/1 [=====] - 0s 77ms/step
>2212, dr[0.408,0.896], df[0.281,0.458], g[3.759,0.074]
1/1 [=====] - 0s 116ms/step
>2213, dr[0.419,0.961], df[0.589,0.250], g[4.089,0.316]
1/1 [=====] - 0s 84ms/step
>2214, dr[0.461,0.696], df[0.331,0.043], g[3.557,0.209]
1/1 [=====] - 0s 85ms/step
>2215, dr[0.427,0.850], df[0.610,0.230], g[3.968,0.479]
1/1 [=====] - 0s 75ms/step
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>2216, dr[0.434,0.805], df[0.138,0.099], g[3.453,0.134]
1/1 [=====] - 0s 106ms/step
>2217, dr[0.323,0.701], df[0.393,0.725], g[2.958,0.311]
1/1 [=====] - 0s 87ms/step
>2218, dr[0.523,0.982], df[0.789,0.229], g[3.790,0.298]
1/1 [=====] - 0s 82ms/step
>2219, dr[0.682,1.067], df[0.331,0.167], g[2.883,0.237]
1/1 [=====] - 0s 75ms/step
>2220, dr[0.487,0.931], df[1.030,0.078], g[3.594,0.185]
1/1 [=====] - 0s 75ms/step
>2221, dr[0.558,0.937], df[0.253,0.156], g[3.759,0.196]
1/1 [=====] - 0s 81ms/step
>2222, dr[0.338,0.807], df[0.589,0.081], g[3.240,0.353]
1/1 [=====] - 0s 81ms/step
>2223, dr[0.277,0.661], df[0.373,0.129], g[4.328,0.193]
1/1 [=====] - 0s 77ms/step
>2224, dr[0.957,1.149], df[0.498,0.196], g[2.514,0.320]
1/1 [=====] - 0s 90ms/step
>2225, dr[0.188,1.373], df[0.331,0.363], g[4.256,0.131]
1/1 [=====] - 0s 92ms/step
>2226, dr[0.568,1.472], df[0.652,0.035], g[4.491,0.449]
1/1 [=====] - 0s 76ms/step
>2227, dr[0.752,0.400], df[0.276,0.249], g[2.384,0.238]
1/1 [=====] - 0s 94ms/step
>2228, dr[0.197,1.156], df[0.685,0.243], g[3.905,0.304]
1/1 [=====] - 0s 86ms/step
>2229, dr[0.472,1.152], df[0.329,0.205], g[4.235,0.586]
1/1 [=====] - 0s 78ms/step
>2230, dr[0.453,1.275], df[0.123,0.707], g[2.689,0.068]
1/1 [=====] - 0s 76ms/step
>2231, dr[0.394,1.608], df[1.040,0.727], g[4.351,0.295]
1/1 [=====] - 0s 72ms/step
>2232, dr[0.895,1.048], df[0.671,0.240], g[3.802,0.357]
1/1 [=====] - 0s 76ms/step
>2233, dr[0.282,0.341], df[0.192,0.122], g[3.300,0.245]
1/1 [=====] - 0s 95ms/step
>2234, dr[0.712,1.029], df[0.951,0.010], g[3.395,0.220]
1/1 [=====] - 0s 90ms/step
>2235, dr[0.202,1.245], df[0.349,0.246], g[5.164,0.447]
1/1 [=====] - 0s 82ms/step
>2236, dr[1.291,1.149], df[0.859,0.187], g[3.776,0.117]
1/1 [=====] - 0s 90ms/step
>2237, dr[0.367,1.235], df[0.139,0.035], g[3.076,0.135]
1/1 [=====] - 0s 79ms/step
>2238, dr[0.448,1.007], df[1.295,0.476], g[4.426,0.172]
1/1 [=====] - 0s 81ms/step
>2239, dr[0.700,0.513], df[0.127,0.397], g[5.025,0.041]
1/1 [=====] - 0s 73ms/step
>2240, dr[1.243,0.816], df[1.721,0.172], g[3.534,0.217]
1/1 [=====] - 0s 105ms/step
>2241, dr[0.097,0.302], df[0.131,0.414], g[5.147,0.107]
1/1 [=====] - 0s 97ms/step
>2242, dr[1.226,1.162], df[1.090,0.253], g[3.939,0.112]
1/1 [=====] - 0s 80ms/step
>2243, dr[0.555,0.920], df[0.297,0.036], g[4.120,0.311]
1/1 [=====] - 0s 79ms/step
>2244, dr[0.900,0.873], df[0.665,0.143], g[2.715,0.533]
1/1 [=====] - 0s 74ms/step
>2245, dr[0.324,0.849], df[0.770,0.081], g[4.544,0.176]
1/1 [=====] - 0s 87ms/step
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>2246, dr[0.922,1.049], df[0.563,0.131], g[4.026,0.293]
1/1 [=====] - 0s 87ms/step
>2247, dr[0.582,1.700], df[0.571,0.393], g[3.658,0.165]
1/1 [=====] - 0s 86ms/step
>2248, dr[0.552,1.880], df[0.527,0.579], g[3.143,0.306]
1/1 [=====] - 0s 76ms/step
>2249, dr[0.287,1.075], df[0.359,0.429], g[3.961,0.321]
1/1 [=====] - 0s 94ms/step
>2250, dr[0.341,2.385], df[0.213,0.288], g[3.246,0.136]
1/1 [=====] - 0s 72ms/step
>2251, dr[0.558,0.389], df[0.629,0.510], g[2.830,0.245]
1/1 [=====] - 0s 76ms/step
>2252, dr[0.804,0.296], df[0.757,0.085], g[2.996,0.264]
1/1 [=====] - 0s 74ms/step
>2253, dr[0.376,1.376], df[0.933,0.169], g[5.421,0.213]
1/1 [=====] - 0s 81ms/step
>2254, dr[0.877,0.531], df[0.130,0.223], g[3.049,0.165]
1/1 [=====] - 0s 98ms/step
>2255, dr[0.183,0.435], df[0.830,0.132], g[4.177,0.223]
1/1 [=====] - 0s 90ms/step
>2256, dr[0.686,0.646], df[0.339,0.162], g[4.567,0.182]
1/1 [=====] - 0s 102ms/step
>2257, dr[1.004,1.518], df[0.382,0.205], g[2.680,0.303]
1/1 [=====] - 0s 78ms/step
>2258, dr[0.243,1.366], df[0.695,0.061], g[4.295,0.144]
1/1 [=====] - 0s 77ms/step
>2259, dr[0.289,0.127], df[0.032,0.255], g[3.842,0.286]
1/1 [=====] - 0s 84ms/step
>2260, dr[0.380,1.587], df[0.840,0.154], g[3.531,0.192]
1/1 [=====] - 0s 87ms/step
>2261, dr[1.102,1.166], df[1.469,0.225], g[3.295,0.011]
1/1 [=====] - 0s 91ms/step
>2262, dr[0.452,0.995], df[0.429,0.245], g[4.983,0.104]
1/1 [=====] - 0s 83ms/step
>2263, dr[0.710,1.074], df[0.619,0.183], g[4.411,0.082]
1/1 [=====] - 0s 85ms/step
>2264, dr[0.823,0.580], df[0.549,0.156], g[3.554,0.200]
1/1 [=====] - 0s 91ms/step
>2265, dr[0.891,1.019], df[0.680,0.293], g[2.806,0.164]
1/1 [=====] - 0s 78ms/step
>2266, dr[0.313,0.271], df[0.891,0.080], g[5.157,0.102]
1/1 [=====] - 0s 80ms/step
>2267, dr[0.746,0.411], df[0.154,0.269], g[3.447,0.118]
1/1 [=====] - 0s 75ms/step
>2268, dr[0.650,1.082], df[1.419,0.210], g[3.929,0.332]
1/1 [=====] - 0s 78ms/step
>2269, dr[0.564,0.660], df[0.184,0.080], g[3.131,0.092]
1/1 [=====] - 0s 88ms/step
>2270, dr[0.494,0.672], df[0.695,0.461], g[3.907,0.279]
1/1 [=====] - 0s 78ms/step
>2271, dr[0.601,0.438], df[0.471,0.188], g[3.636,0.141]
1/1 [=====] - 0s 81ms/step
>2272, dr[0.241,0.940], df[0.453,0.355], g[3.016,0.204]
1/1 [=====] - 0s 83ms/step
>2273, dr[0.904,0.877], df[1.688,0.349], g[4.604,0.319]
1/1 [=====] - 0s 88ms/step
>2274, dr[0.620,0.677], df[0.080,0.167], g[4.296,0.073]
1/1 [=====] - 0s 91ms/step
>2275, dr[0.471,0.830], df[0.626,0.124], g[2.812,0.035]
1/1 [=====] - 0s 87ms/step
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>2276, dr[0.359,1.445], df[0.592,0.077], g[4.191,0.094]
1/1 [=====] - 0s 80ms/step
>2277, dr[0.611,0.668], df[0.433,0.270], g[3.350,0.448]
1/1 [=====] - 0s 80ms/step
>2278, dr[0.260,1.261], df[0.413,0.495], g[4.730,0.294]
1/1 [=====] - 0s 77ms/step
>2279, dr[0.854,0.933], df[0.797,0.286], g[3.043,0.184]
1/1 [=====] - 0s 87ms/step
>2280, dr[0.145,0.552], df[0.470,0.076], g[4.880,0.107]
1/1 [=====] - 0s 84ms/step
>2281, dr[1.905,0.960], df[0.468,0.438], g[1.049,0.727]
1/1 [=====] - 0s 82ms/step
>2282, dr[0.042,1.137], df[1.846,0.016], g[5.365,0.764]
1/1 [=====] - 0s 78ms/step
>2283, dr[1.364,1.309], df[0.094,0.251], g[2.664,0.097]
1/1 [=====] - 0s 83ms/step
>2284, dr[0.395,0.124], df[0.762,0.367], g[3.169,0.675]
1/1 [=====] - 0s 70ms/step
>2285, dr[0.400,0.958], df[0.165,0.227], g[3.116,0.456]
1/1 [=====] - 0s 69ms/step
>2286, dr[0.392,0.832], df[0.685,0.012], g[4.241,0.165]
1/1 [=====] - 0s 72ms/step
>2287, dr[0.280,0.390], df[0.217,0.026], g[3.663,0.107]
1/1 [=====] - 0s 79ms/step
>2288, dr[0.791,0.799], df[0.786,0.471], g[4.366,0.428]
1/1 [=====] - 0s 86ms/step
>2289, dr[0.597,1.102], df[0.718,0.024], g[4.323,0.099]
1/1 [=====] - 0s 88ms/step
>2290, dr[1.296,0.557], df[0.805,0.055], g[3.356,0.343]
1/1 [=====] - 0s 82ms/step
>2291, dr[0.444,0.303], df[1.164,0.126], g[5.275,0.177]
1/1 [=====] - 0s 92ms/step
>2292, dr[1.012,1.138], df[0.359,0.072], g[3.754,0.152]
1/1 [=====] - 0s 85ms/step
>2293, dr[0.786,1.134], df[0.589,0.303], g[2.870,0.104]
1/1 [=====] - 0s 89ms/step
>2294, dr[0.121,0.737], df[0.277,0.405], g[4.247,0.350]
1/1 [=====] - 0s 86ms/step
>2295, dr[0.605,0.917], df[0.579,0.207], g[3.843,0.275]
1/1 [=====] - 0s 75ms/step
>2296, dr[1.042,1.822], df[1.365,0.218], g[4.390,0.091]
1/1 [=====] - 0s 82ms/step
>2297, dr[0.469,0.403], df[0.132,0.129], g[3.963,0.327]
1/1 [=====] - 0s 88ms/step
>2298, dr[0.903,1.206], df[1.388,0.136], g[2.922,0.240]
1/1 [=====] - 0s 96ms/step
>2299, dr[0.355,0.959], df[0.439,0.188], g[5.054,0.400]
1/1 [=====] - 0s 93ms/step
>2300, dr[1.015,0.939], df[0.515,0.307], g[2.226,0.689]
1/1 [=====] - 0s 87ms/step
>2301, dr[0.222,0.674], df[0.895,0.186], g[6.146,0.197]
1/1 [=====] - 0s 80ms/step
>2302, dr[0.945,0.834], df[0.258,0.223], g[3.774,0.170]
1/1 [=====] - 0s 85ms/step
>2303, dr[0.491,0.944], df[0.542,0.561], g[3.262,0.280]
1/1 [=====] - 0s 74ms/step
>2304, dr[0.279,0.871], df[0.647,0.065], g[4.888,0.145]
1/1 [=====] - 0s 69ms/step
>2305, dr[0.871,0.785], df[0.388,0.346], g[3.912,0.126]
1/1 [=====] - 0s 86ms/step
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>2306, dr[0.314,1.071], df[0.437,0.045], g[3.497,0.151]
1/1 [=====] - 0s 86ms/step
>2307, dr[0.513,1.162], df[0.822,0.477], g[3.749,0.277]
1/1 [=====] - 0s 81ms/step
>2308, dr[0.526,1.832], df[0.726,0.106], g[5.000,0.362]
1/1 [=====] - 0s 87ms/step
>2309, dr[1.313,1.928], df[0.753,0.372], g[3.126,0.504]
1/1 [=====] - 0s 84ms/step
>2310, dr[0.644,0.676], df[1.065,0.243], g[3.940,0.122]
1/1 [=====] - 0s 82ms/step
>2311, dr[0.488,0.669], df[0.270,0.206], g[4.282,0.539]
1/1 [=====] - 0s 85ms/step
>2312, dr[0.761,1.044], df[0.566,0.126], g[3.106,0.451]
1/1 [=====] - 0s 92ms/step
>2313, dr[0.343,1.248], df[0.451,0.084], g[3.667,0.198]
1/1 [=====] - 0s 81ms/step
>2314, dr[0.348,0.840], df[0.584,0.420], g[4.896,0.146]
1/1 [=====] - 0s 78ms/step
>2315, dr[1.982,0.557], df[1.123,0.161], g[3.029,0.056]
1/1 [=====] - 0s 78ms/step
>2316, dr[0.477,1.002], df[0.353,0.288], g[3.257,0.144]
1/1 [=====] - 0s 89ms/step
>2317, dr[0.392,0.649], df[0.259,0.018], g[2.969,0.443]
1/1 [=====] - 0s 80ms/step
>2318, dr[0.413,1.243], df[0.631,0.042], g[3.396,0.223]
1/1 [=====] - 0s 83ms/step
>2319, dr[0.808,1.033], df[0.697,0.213], g[2.695,0.094]
1/1 [=====] - 0s 80ms/step
>2320, dr[0.165,1.054], df[0.414,0.126], g[3.779,0.358]
1/1 [=====] - 0s 94ms/step
>2321, dr[0.676,0.388], df[0.476,0.408], g[3.588,0.143]
1/1 [=====] - 0s 83ms/step
>2322, dr[0.316,0.609], df[0.957,0.130], g[4.733,0.164]
1/1 [=====] - 0s 89ms/step
>2323, dr[0.949,0.420], df[0.149,0.015], g[3.379,0.116]
1/1 [=====] - 0s 80ms/step
>2324, dr[0.509,1.006], df[1.319,0.361], g[4.466,0.198]
1/1 [=====] - 0s 94ms/step
>2325, dr[0.675,0.374], df[0.158,0.231], g[4.890,0.318]
1/1 [=====] - 0s 78ms/step
>2326, dr[2.001,0.846], df[1.456,0.031], g[2.075,0.157]
1/1 [=====] - 0s 85ms/step
>2327, dr[0.136,1.267], df[0.593,0.383], g[5.210,0.431]
1/1 [=====] - 0s 91ms/step
>2328, dr[0.740,1.500], df[0.184,0.362], g[3.277,0.186]
1/1 [=====] - 0s 78ms/step
>2329, dr[0.593,1.214], df[0.795,0.226], g[2.393,0.199]
1/1 [=====] - 0s 108ms/step
>2330, dr[0.306,1.297], df[0.573,0.035], g[3.255,0.026]
1/1 [=====] - 0s 77ms/step
>2331, dr[0.701,1.252], df[0.738,0.195], g[2.875,0.140]
1/1 [=====] - 0s 79ms/step
>2332, dr[0.586,0.378], df[0.455,0.466], g[2.841,0.082]
1/1 [=====] - 0s 76ms/step
>2333, dr[0.155,0.407], df[0.201,0.127], g[3.712,0.236]
1/1 [=====] - 0s 74ms/step
>2334, dr[0.404,0.258], df[0.551,0.217], g[3.297,0.304]
1/1 [=====] - 0s 88ms/step
>2335, dr[0.288,0.778], df[0.318,0.068], g[3.586,0.160]
1/1 [=====] - 0s 81ms/step
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>2336, dr[0.451,0.304], df[0.140,0.054], g[3.111,0.302]
1/1 [=====] - 0s 83ms/step
>2337, dr[0.324,1.262], df[0.768,0.304], g[4.224,0.702]
1/1 [=====] - 0s 76ms/step
>2338, dr[0.666,0.948], df[0.767,0.207], g[4.672,0.503]
1/1 [=====] - 0s 82ms/step
>2339, dr[1.364,1.026], df[0.841,0.238], g[3.931,0.227]
1/1 [=====] - 0s 74ms/step
>2340, dr[0.940,1.468], df[0.893,0.216], g[3.652,0.105]
1/1 [=====] - 0s 79ms/step
>2341, dr[0.376,0.904], df[0.221,0.192], g[3.027,0.196]
1/1 [=====] - 0s 104ms/step
>2342, dr[0.706,1.607], df[0.853,0.283], g[3.775,0.057]
1/1 [=====] - 0s 102ms/step
>2343, dr[0.188,1.250], df[0.207,0.310], g[4.599,0.316]
1/1 [=====] - 0s 90ms/step
>2344, dr[0.429,0.602], df[0.331,0.124], g[3.594,0.131]
1/1 [=====] - 0s 93ms/step
>2345, dr[0.574,0.774], df[0.364,0.521], g[3.249,0.084]
1/1 [=====] - 0s 93ms/step
>2346, dr[0.310,0.248], df[0.299,0.011], g[3.485,0.159]
1/1 [=====] - 0s 83ms/step
>2347, dr[0.502,0.769], df[0.533,0.163], g[3.335,0.302]
1/1 [=====] - 0s 87ms/step
>2348, dr[0.388,0.634], df[0.371,0.103], g[3.501,0.337]
1/1 [=====] - 0s 89ms/step
>2349, dr[0.384,0.393], df[0.228,0.125], g[3.806,0.181]
1/1 [=====] - 0s 83ms/step
>2350, dr[0.322,0.496], df[0.175,0.342], g[3.257,0.375]
1/1 [=====] - 0s 85ms/step
>2351, dr[0.332,0.809], df[0.547,0.102], g[3.190,0.107]
1/1 [=====] - 0s 73ms/step
>2352, dr[0.538,1.164], df[0.631,0.267], g[4.054,0.236]
1/1 [=====] - 0s 79ms/step
>2353, dr[0.700,1.192], df[0.967,0.006], g[3.905,0.202]
1/1 [=====] - 0s 80ms/step
>2354, dr[0.895,1.364], df[0.799,0.460], g[4.049,0.515]
1/1 [=====] - 0s 77ms/step
>2355, dr[0.675,1.128], df[0.523,0.367], g[3.665,0.114]
1/1 [=====] - 0s 84ms/step
>2356, dr[0.557,0.463], df[0.360,0.229], g[2.417,0.027]
1/1 [=====] - 0s 75ms/step
>2357, dr[0.417,0.677], df[0.546,0.022], g[3.043,0.175]
1/1 [=====] - 0s 77ms/step
>2358, dr[0.305,0.497], df[0.384,0.398], g[4.006,0.233]
1/1 [=====] - 0s 99ms/step
>2359, dr[0.697,1.159], df[1.030,0.586], g[4.051,0.070]
1/1 [=====] - 0s 92ms/step
>2360, dr[0.758,1.089], df[0.477,0.269], g[4.153,0.152]
1/1 [=====] - 0s 112ms/step
>2361, dr[0.430,0.333], df[0.363,0.422], g[3.573,0.050]
1/1 [=====] - 0s 88ms/step
>2362, dr[0.538,1.375], df[0.829,0.074], g[4.155,0.304]
1/1 [=====] - 0s 92ms/step
>2363, dr[0.479,0.702], df[0.311,0.097], g[3.852,0.334]
1/1 [=====] - 0s 91ms/step
>2364, dr[0.540,1.311], df[0.490,0.128], g[2.734,0.272]
1/1 [=====] - 0s 86ms/step
>2365, dr[0.259,1.235], df[0.478,0.456], g[3.635,0.141]
1/1 [=====] - 0s 94ms/step
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>2366, dr[0.617,0.761], df[0.496,0.343], g[4.110,0.388]
1/1 [=====] - 0s 111ms/step
>2367, dr[0.676,1.459], df[0.361,0.187], g[3.136,0.211]
1/1 [=====] - 0s 91ms/step
>2368, dr[0.095,0.140], df[0.561,0.010], g[4.748,0.128]
1/1 [=====] - 0s 92ms/step
>2369, dr[1.051,1.615], df[0.293,0.199], g[2.126,0.371]
1/1 [=====] - 0s 81ms/step
>2370, dr[0.124,1.565], df[0.402,0.114], g[3.447,0.046]
1/1 [=====] - 0s 86ms/step
>2371, dr[0.584,0.528], df[0.519,0.352], g[3.636,0.374]
1/1 [=====] - 0s 98ms/step
>2372, dr[0.866,0.666], df[0.754,0.151], g[3.449,0.198]
1/1 [=====] - 0s 135ms/step
>2373, dr[0.528,1.336], df[0.576,0.246], g[4.075,0.350]
1/1 [=====] - 0s 91ms/step
>2374, dr[0.667,2.215], df[0.726,0.923], g[3.548,0.246]
1/1 [=====] - 0s 100ms/step
>2375, dr[0.856,0.399], df[0.387,0.234], g[2.600,0.267]
1/1 [=====] - 0s 81ms/step
>2376, dr[0.317,0.398], df[0.503,0.158], g[2.879,0.515]
1/1 [=====] - 0s 81ms/step
>2377, dr[0.199,0.220], df[0.365,0.129], g[4.396,0.077]
1/1 [=====] - 0s 78ms/step
>2378, dr[0.428,0.469], df[0.313,0.039], g[4.050,0.119]
1/1 [=====] - 0s 79ms/step
>2379, dr[0.414,0.254], df[0.347,0.281], g[3.119,0.275]
1/1 [=====] - 0s 84ms/step
>2380, dr[0.473,0.732], df[0.531,0.056], g[3.768,0.130]
1/1 [=====] - 0s 131ms/step
>2381, dr[0.583,1.038], df[0.411,0.095], g[3.624,0.156]
1/1 [=====] - 0s 83ms/step
>2382, dr[0.682,0.871], df[0.726,0.241], g[2.687,0.261]
1/1 [=====] - 0s 83ms/step
>2383, dr[0.289,0.976], df[0.456,0.433], g[3.936,0.375]
1/1 [=====] - 0s 86ms/step
>2384, dr[0.671,1.279], df[0.378,0.047], g[2.431,0.216]
1/1 [=====] - 0s 86ms/step
>2385, dr[0.211,0.139], df[0.744,0.307], g[4.633,0.171]
1/1 [=====] - 0s 80ms/step
>2386, dr[0.773,0.199], df[0.114,0.082], g[2.294,0.168]
1/1 [=====] - 0s 78ms/step
>2387, dr[0.184,0.606], df[0.751,0.086], g[3.225,0.495]
1/1 [=====] - 0s 81ms/step
>2388, dr[0.343,0.703], df[0.283,0.031], g[3.279,0.071]
1/1 [=====] - 0s 75ms/step
>2389, dr[0.846,0.666], df[0.596,0.179], g[2.977,0.051]
1/1 [=====] - 0s 77ms/step
>2390, dr[0.366,1.586], df[0.615,0.044], g[4.064,0.241]
1/1 [=====] - 0s 84ms/step
>2391, dr[0.507,0.510], df[0.564,0.024], g[3.510,0.187]
1/1 [=====] - 0s 98ms/step
>2392, dr[0.293,0.444], df[0.438,0.260], g[4.364,0.218]
1/1 [=====] - 0s 81ms/step
>2393, dr[0.878,0.792], df[0.574,0.209], g[2.546,0.346]
1/1 [=====] - 0s 86ms/step
>2394, dr[0.289,2.024], df[0.749,0.151], g[3.302,0.288]
1/1 [=====] - 0s 89ms/step
>2395, dr[0.809,0.507], df[0.419,0.326], g[2.454,0.137]
1/1 [=====] - 0s 89ms/step
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>2396, dr[0.273,1.522], df[0.418,0.130], g[3.566,0.315]
1/1 [=====] - 0s 90ms/step
>2397, dr[0.892,0.534], df[0.598,0.269], g[3.753,0.269]
1/1 [=====] - 0s 88ms/step
>2398, dr[0.485,0.620], df[0.446,0.282], g[4.114,0.263]
1/1 [=====] - 0s 123ms/step
>2399, dr[0.803,0.363], df[0.641,0.161], g[3.787,0.466]
1/1 [=====] - 0s 84ms/step
>2400, dr[0.407,0.724], df[0.315,0.197], g[3.084,0.358]
1/1 [=====] - 0s 96ms/step
>2401, dr[0.711,0.627], df[0.863,0.012], g[3.247,0.075]
1/1 [=====] - 0s 77ms/step
>2402, dr[0.465,0.062], df[0.315,0.611], g[2.993,0.201]
1/1 [=====] - 0s 96ms/step
>2403, dr[0.337,0.662], df[0.619,0.157], g[5.848,0.512]
1/1 [=====] - 0s 103ms/step
>2404, dr[0.658,0.320], df[0.087,0.133], g[3.673,0.325]
1/1 [=====] - 0s 91ms/step
>2405, dr[0.798,0.656], df[1.141,0.107], g[2.802,0.379]
1/1 [=====] - 0s 109ms/step
>2406, dr[0.138,0.876], df[0.131,0.244], g[4.238,0.374]
1/1 [=====] - 0s 91ms/step
>2407, dr[1.107,0.656], df[0.907,0.336], g[3.610,0.180]
1/1 [=====] - 0s 78ms/step
>2408, dr[0.548,1.300], df[0.376,0.136], g[3.008,0.146]
1/1 [=====] - 0s 94ms/step
>2409, dr[0.388,0.325], df[0.685,0.276], g[4.072,0.061]
1/1 [=====] - 0s 82ms/step
>2410, dr[0.598,0.602], df[0.192,0.144], g[3.462,0.355]
1/1 [=====] - 0s 83ms/step
>2411, dr[0.446,0.379], df[1.326,0.387], g[4.627,0.357]
1/1 [=====] - 0s 86ms/step
>2412, dr[1.289,0.862], df[0.514,0.485], g[3.569,0.083]
1/1 [=====] - 0s 78ms/step
>2413, dr[0.482,0.905], df[0.539,0.041], g[3.991,0.337]
1/1 [=====] - 0s 79ms/step
>2414, dr[0.571,0.109], df[0.216,0.353], g[3.772,0.114]
1/1 [=====] - 0s 99ms/step
>2415, dr[0.214,0.684], df[0.541,0.108], g[3.911,0.186]
1/1 [=====] - 0s 139ms/step
>2416, dr[0.899,0.511], df[0.538,0.127], g[2.255,0.092]
1/1 [=====] - 0s 80ms/step
>2417, dr[0.125,1.326], df[0.623,0.027], g[3.877,0.124]
1/1 [=====] - 0s 97ms/step
>2418, dr[0.648,0.924], df[0.423,0.261], g[2.406,0.379]
1/1 [=====] - 0s 105ms/step
>2419, dr[0.352,0.594], df[0.555,0.186], g[2.935,0.228]
1/1 [=====] - 0s 98ms/step
>2420, dr[0.512,1.582], df[0.416,0.165], g[2.212,0.179]
1/1 [=====] - 0s 86ms/step
>2421, dr[0.343,0.375], df[0.426,0.059], g[2.792,0.134]
1/1 [=====] - 0s 79ms/step
>2422, dr[0.502,0.667], df[0.364,0.147], g[2.916,0.301]
1/1 [=====] - 0s 110ms/step
>2423, dr[0.391,0.718], df[0.494,0.141], g[2.043,0.325]
1/1 [=====] - 0s 95ms/step
>2424, dr[0.082,0.720], df[0.309,0.114], g[4.324,0.178]
1/1 [=====] - 0s 110ms/step
>2425, dr[0.565,0.483], df[0.425,0.401], g[3.358,0.400]
1/1 [=====] - 0s 96ms/step
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>2426, dr[0.781,1.141], df[1.129,0.227], g[4.588,0.161]
1/1 [=====] - 0s 92ms/step
>2427, dr[0.805,1.762], df[0.531,0.152], g[2.876,0.197]
1/1 [=====] - 0s 90ms/step
>2428, dr[0.299,0.903], df[0.775,0.415], g[3.884,0.239]
1/1 [=====] - 0s 87ms/step
>2429, dr[0.515,0.804], df[0.435,0.253], g[4.120,0.313]
1/1 [=====] - 0s 97ms/step
>2430, dr[0.621,0.115], df[0.479,0.572], g[2.898,0.394]
1/1 [=====] - 0s 90ms/step
>2431, dr[0.128,0.331], df[0.275,0.349], g[4.176,0.155]
1/1 [=====] - 0s 80ms/step
>2432, dr[1.369,0.674], df[1.117,0.327], g[3.406,0.220]
1/1 [=====] - 0s 99ms/step
>2433, dr[0.741,2.063], df[0.746,0.083], g[4.141,0.116]
1/1 [=====] - 0s 94ms/step
>2434, dr[0.443,0.557], df[0.263,0.072], g[3.172,0.218]
1/1 [=====] - 0s 105ms/step
>2435, dr[0.350,0.404], df[0.713,0.225], g[4.000,0.175]
1/1 [=====] - 0s 101ms/step
>2436, dr[0.870,1.604], df[1.237,0.037], g[5.533,0.358]
1/1 [=====] - 0s 169ms/step
>2437, dr[2.102,1.393], df[1.254,0.044], g[3.709,0.126]
1/1 [=====] - 0s 100ms/step
>2438, dr[0.720,0.546], df[0.665,0.272], g[3.232,0.162]
1/1 [=====] - 0s 87ms/step
>2439, dr[0.533,1.686], df[0.650,0.130], g[3.831,0.137]
1/1 [=====] - 0s 90ms/step
>2440, dr[0.406,0.838], df[0.587,0.503], g[4.289,0.263]
1/1 [=====] - 0s 83ms/step
>2441, dr[0.650,1.485], df[0.599,0.088], g[3.485,0.311]
1/1 [=====] - 0s 85ms/step
>2442, dr[0.475,1.291], df[0.389,0.146], g[2.592,0.903]
1/1 [=====] - 0s 85ms/step
>2443, dr[0.282,1.606], df[0.547,0.188], g[4.231,0.173]
1/1 [=====] - 0s 102ms/step
>2444, dr[0.965,0.269], df[0.639,0.097], g[2.302,0.135]
1/1 [=====] - 0s 89ms/step
>2445, dr[0.221,1.067], df[0.524,0.043], g[3.863,0.189]
1/1 [=====] - 0s 84ms/step
>2446, dr[0.564,1.195], df[0.424,0.148], g[3.279,0.165]
1/1 [=====] - 0s 82ms/step
>2447, dr[0.762,0.192], df[1.532,0.260], g[4.046,0.068]
1/1 [=====] - 0s 84ms/step
>2448, dr[0.786,0.539], df[0.262,0.041], g[3.509,0.536]
1/1 [=====] - 0s 81ms/step
>2449, dr[0.836,0.967], df[0.642,0.338], g[2.605,0.191]
1/1 [=====] - 0s 96ms/step
>2450, dr[0.198,0.579], df[0.658,0.168], g[4.276,0.164]
1/1 [=====] - 0s 91ms/step
>2451, dr[0.469,0.620], df[0.158,0.362], g[3.666,0.104]
1/1 [=====] - 0s 82ms/step
>2452, dr[0.497,0.195], df[0.673,0.178], g[2.628,0.145]
1/1 [=====] - 0s 95ms/step
>2453, dr[0.389,1.089], df[0.307,0.269], g[2.856,0.253]
1/1 [=====] - 0s 95ms/step
>2454, dr[0.428,1.448], df[0.794,0.341], g[3.937,0.341]
1/1 [=====] - 0s 82ms/step
>2455, dr[0.739,0.778], df[0.633,0.176], g[4.230,0.585]
1/1 [=====] - 0s 79ms/step
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>2456, dr[0.449,0.851], df[0.270,0.098], g[3.814,0.234]
1/1 [=====] - 0s 72ms/step
>2457, dr[0.602,0.880], df[0.532,0.332], g[2.658,0.155]
1/1 [=====] - 0s 94ms/step
>2458, dr[0.232,0.524], df[0.402,0.022], g[3.675,0.226]
1/1 [=====] - 0s 81ms/step
>2459, dr[0.825,0.334], df[0.340,0.162], g[3.495,0.235]
1/1 [=====] - 0s 86ms/step
>2460, dr[0.268,0.556], df[0.404,0.348], g[3.377,0.343]
1/1 [=====] - 0s 84ms/step
>2461, dr[0.724,0.823], df[0.612,0.184], g[3.617,0.257]
1/1 [=====] - 0s 85ms/step
>2462, dr[0.652,0.792], df[0.774,0.039], g[3.303,0.139]
1/1 [=====] - 0s 89ms/step
>2463, dr[0.310,0.498], df[0.450,0.243], g[4.201,0.226]
1/1 [=====] - 0s 83ms/step
>2464, dr[0.823,1.109], df[0.479,0.137], g[2.838,0.305]
1/1 [=====] - 0s 97ms/step
>2465, dr[0.070,1.138], df[0.307,0.326], g[4.286,0.449]
1/1 [=====] - 0s 100ms/step
>2466, dr[0.667,0.562], df[0.334,0.016], g[3.327,0.067]
1/1 [=====] - 0s 84ms/step
>2467, dr[0.304,0.370], df[0.919,0.038], g[4.162,0.392]
1/1 [=====] - 0s 88ms/step
>2468, dr[0.784,0.813], df[0.522,0.344], g[3.614,0.173]
1/1 [=====] - 0s 98ms/step
>2469, dr[0.524,0.791], df[0.630,0.564], g[3.747,0.192]
1/1 [=====] - 0s 89ms/step
>2470, dr[0.694,0.963], df[0.475,0.339], g[3.100,0.482]
1/1 [=====] - 0s 93ms/step
>2471, dr[0.442,0.371], df[0.446,0.224], g[2.791,0.171]
1/1 [=====] - 0s 102ms/step
>2472, dr[0.323,0.434], df[0.479,0.036], g[3.634,0.107]
1/1 [=====] - 0s 157ms/step
>2473, dr[0.782,0.762], df[0.291,0.036], g[2.468,0.071]
1/1 [=====] - 0s 105ms/step
>2474, dr[0.375,0.517], df[1.231,0.166], g[4.852,0.148]
1/1 [=====] - 0s 103ms/step
>2475, dr[1.023,0.423], df[0.336,0.114], g[3.563,0.190]
1/1 [=====] - 0s 94ms/step
>2476, dr[0.586,0.647], df[1.468,0.044], g[4.484,0.186]
1/1 [=====] - 0s 85ms/step
>2477, dr[0.958,0.625], df[0.221,0.406], g[3.101,0.423]
1/1 [=====] - 0s 81ms/step
>2478, dr[0.184,0.655], df[0.918,0.163], g[4.167,0.313]
1/1 [=====] - 0s 79ms/step
>2479, dr[0.894,0.581], df[0.426,0.452], g[3.080,0.103]
1/1 [=====] - 0s 81ms/step
>2480, dr[0.227,0.738], df[0.786,0.485], g[3.976,0.281]
1/1 [=====] - 0s 82ms/step
>2481, dr[0.565,1.774], df[0.446,0.127], g[4.013,0.144]
1/1 [=====] - 0s 75ms/step
>2482, dr[0.532,1.563], df[0.466,0.029], g[2.325,0.227]
1/1 [=====] - 0s 78ms/step
>2483, dr[0.556,0.451], df[0.813,0.350], g[4.302,0.083]
1/1 [=====] - 0s 82ms/step
>2484, dr[0.481,0.429], df[0.208,0.303], g[4.273,0.380]
1/1 [=====] - 0s 87ms/step
>2485, dr[0.941,1.256], df[1.020,0.218], g[3.165,0.150]
1/1 [=====] - 0s 86ms/step
```

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>2486, dr[0.306,1.056], df[0.337,0.534], g[3.861,0.147]
1/1 [=====] - 0s 78ms/step
>2487, dr[0.722,1.125], df[1.167,0.168], g[3.920,0.217]
1/1 [=====] - 0s 78ms/step
>2488, dr[0.714,1.217], df[0.312,0.009], g[3.071,0.266]
1/1 [=====] - 0s 78ms/step
>2489, dr[0.396,0.542], df[0.164,0.146], g[2.497,0.290]
1/1 [=====] - 0s 73ms/step
>2490, dr[0.237,0.675], df[0.788,0.075], g[3.795,0.187]
1/1 [=====] - 0s 73ms/step
>2491, dr[0.551,0.580], df[0.399,0.051], g[3.847,0.314]
1/1 [=====] - 0s 77ms/step
>2492, dr[0.686,1.138], df[0.282,0.647], g[3.346,0.279]
1/1 [=====] - 0s 95ms/step
>2493, dr[0.631,0.291], df[1.639,0.008], g[4.838,0.489]
1/1 [=====] - 0s 81ms/step
>2494, dr[1.095,1.272], df[0.255,0.201], g[3.021,0.264]
1/1 [=====] - 0s 92ms/step
>2495, dr[0.293,0.880], df[0.704,0.270], g[3.288,0.348]
1/1 [=====] - 0s 88ms/step
>2496, dr[0.241,1.805], df[0.594,0.083], g[3.648,0.380]
1/1 [=====] - 0s 90ms/step
>2497, dr[0.577,0.495], df[0.207,0.613], g[3.470,0.340]
1/1 [=====] - 0s 84ms/step
>2498, dr[0.874,1.016], df[1.687,0.653], g[3.765,0.419]
1/1 [=====] - 0s 73ms/step
>2499, dr[0.706,0.890], df[0.424,0.190], g[3.162,0.250]
1/1 [=====] - 0s 90ms/step
>2500, dr[0.603,0.535], df[0.472,0.400], g[3.065,0.168]
1/1 [=====] - 0s 87ms/step
>2501, dr[0.315,0.520], df[0.599,0.075], g[3.877,0.206]
1/1 [=====] - 0s 94ms/step
>2502, dr[0.667,1.683], df[0.244,0.057], g[2.366,0.235]
1/1 [=====] - 0s 83ms/step
>2503, dr[0.169,0.565], df[0.575,0.244], g[4.018,0.097]
1/1 [=====] - 0s 81ms/step
>2504, dr[0.543,1.188], df[0.626,0.063], g[4.192,0.181]
1/1 [=====] - 0s 78ms/step
>2505, dr[1.308,0.865], df[0.740,0.156], g[2.414,0.107]
1/1 [=====] - 0s 72ms/step
>2506, dr[0.338,0.198], df[0.524,0.102], g[3.787,0.073]
1/1 [=====] - 0s 77ms/step
>2507, dr[0.808,0.660], df[0.568,0.666], g[2.828,0.209]
1/1 [=====] - 0s 87ms/step
>2508, dr[0.279,1.005], df[0.295,0.061], g[4.356,0.085]
1/1 [=====] - 0s 88ms/step
>2509, dr[0.918,0.196], df[0.561,0.150], g[2.141,0.501]
1/1 [=====] - 0s 86ms/step
>2510, dr[0.161,0.834], df[0.514,0.027], g[4.234,0.372]
1/1 [=====] - 0s 89ms/step
>2511, dr[1.321,0.846], df[0.916,0.161], g[3.660,0.185]
1/1 [=====] - 0s 93ms/step
>2512, dr[0.550,1.010], df[0.179,0.137], g[2.722,0.225]
1/1 [=====] - 0s 78ms/step
>2513, dr[0.213,1.420], df[0.406,0.168], g[3.081,0.285]
1/1 [=====] - 0s 79ms/step
>2514, dr[0.291,0.731], df[0.466,0.200], g[3.941,0.211]
1/1 [=====] - 0s 89ms/step
>2515, dr[0.897,1.741], df[0.662,0.211], g[2.936,0.249]
1/1 [=====] - 0s 94ms/step
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>2516, dr[0.729,0.764], df[0.813,0.156], g[2.694,0.206]
1/1 [=====] - 0s 78ms/step
>2517, dr[0.197,0.633], df[0.457,0.400], g[5.211,0.135]
1/1 [=====] - 0s 81ms/step
>2518, dr[1.518,0.832], df[0.847,0.214], g[3.660,0.398]
1/1 [=====] - 0s 90ms/step
>2519, dr[0.585,1.231], df[0.529,0.277], g[2.917,0.349]
1/1 [=====] - 0s 93ms/step
>2520, dr[0.374,1.043], df[0.310,0.386], g[3.503,0.322]
1/1 [=====] - 0s 80ms/step
>2521, dr[0.899,1.149], df[1.011,0.292], g[2.565,0.263]
1/1 [=====] - 0s 104ms/step
>2522, dr[0.322,0.641], df[0.436,0.163], g[3.339,0.116]
1/1 [=====] - 0s 99ms/step
>2523, dr[0.579,0.743], df[0.645,0.409], g[3.835,0.166]
1/1 [=====] - 0s 81ms/step
>2524, dr[0.709,0.651], df[0.518,0.229], g[3.044,0.127]
1/1 [=====] - 0s 103ms/step
>2525, dr[0.604,1.096], df[0.703,0.123], g[3.621,0.383]
1/1 [=====] - 0s 96ms/step
>2526, dr[0.263,0.836], df[0.122,0.026], g[4.630,0.362]
1/1 [=====] - 0s 82ms/step
>2527, dr[0.779,1.457], df[0.666,0.411], g[4.166,0.308]
1/1 [=====] - 0s 85ms/step
>2528, dr[0.375,1.094], df[0.310,0.276], g[3.453,0.366]
1/1 [=====] - 0s 80ms/step
>2529, dr[0.343,0.605], df[0.240,0.272], g[3.469,0.364]
1/1 [=====] - 0s 85ms/step
>2530, dr[0.750,0.911], df[1.221,0.333], g[2.973,0.329]
1/1 [=====] - 0s 91ms/step
>2531, dr[0.410,1.179], df[0.295,0.165], g[3.888,0.150]
1/1 [=====] - 0s 81ms/step
>2532, dr[0.763,0.720], df[0.915,0.506], g[2.948,0.292]
1/1 [=====] - 0s 91ms/step
>2533, dr[0.775,1.388], df[1.547,0.135], g[4.511,0.113]
1/1 [=====] - 0s 91ms/step
>2534, dr[0.741,1.280], df[0.328,0.107], g[4.055,0.312]
1/1 [=====] - 0s 103ms/step
>2535, dr[0.373,0.553], df[0.326,0.215], g[3.269,0.190]
1/1 [=====] - 0s 113ms/step
>2536, dr[0.498,0.932], df[0.783,0.298], g[3.440,0.114]
1/1 [=====] - 0s 88ms/step
>2537, dr[1.017,1.777], df[0.877,0.210], g[3.446,0.041]
1/1 [=====] - 0s 83ms/step
>2538, dr[0.379,0.572], df[0.415,0.021], g[4.222,0.436]
1/1 [=====] - 0s 80ms/step
>2539, dr[1.313,1.460], df[0.692,0.195], g[3.046,0.113]
1/1 [=====] - 0s 82ms/step
>2540, dr[0.465,1.161], df[0.690,0.118], g[3.288,0.236]
1/1 [=====] - 0s 91ms/step
>2541, dr[0.414,0.749], df[0.340,0.118], g[4.505,0.062]
1/1 [=====] - 0s 118ms/step
>2542, dr[1.009,0.566], df[0.888,0.042], g[3.643,0.134]
1/1 [=====] - 0s 92ms/step
>2543, dr[0.509,0.988], df[0.387,0.210], g[3.533,0.181]
1/1 [=====] - 0s 78ms/step
>2544, dr[0.449,0.550], df[0.392,0.092], g[3.715,0.204]
1/1 [=====] - 0s 73ms/step
>2545, dr[0.763,0.378], df[0.964,0.291], g[4.334,0.127]
1/1 [=====] - 0s 87ms/step
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>2546, dr[1.061,0.799], df[0.437,0.489], g[3.436,0.076]
1/1 [=====] - 0s 82ms/step
>2547, dr[0.198,1.010], df[0.310,0.163], g[3.598,0.205]
1/1 [=====] - 0s 82ms/step
>2548, dr[0.762,0.584], df[0.858,0.296], g[2.645,0.509]
1/1 [=====] - 0s 92ms/step
>2549, dr[0.433,1.011], df[0.534,0.036], g[3.274,0.146]
1/1 [=====] - 0s 89ms/step
>2550, dr[0.232,0.628], df[0.173,0.040], g[3.576,0.263]
1/1 [=====] - 0s 83ms/step
>2551, dr[0.782,0.737], df[0.553,0.076], g[1.845,0.196]
1/1 [=====] - 0s 78ms/step
>2552, dr[0.361,0.754], df[0.531,0.416], g[3.663,0.392]
1/1 [=====] - 0s 86ms/step
>2553, dr[0.451,0.524], df[0.360,0.375], g[3.753,0.148]
1/1 [=====] - 0s 77ms/step
>2554, dr[0.344,0.740], df[0.630,0.047], g[4.511,0.228]
1/1 [=====] - 0s 82ms/step
>2555, dr[1.333,0.317], df[0.471,0.420], g[2.175,0.169]
1/1 [=====] - 0s 84ms/step
>2556, dr[0.262,0.922], df[0.486,0.289], g[2.596,0.424]
1/1 [=====] - 0s 87ms/step
>2557, dr[0.198,0.537], df[0.620,0.050], g[4.354,0.215]
1/1 [=====] - 0s 93ms/step
>2558, dr[0.742,1.178], df[0.235,0.245], g[2.375,0.253]
1/1 [=====] - 0s 81ms/step
>2559, dr[0.298,1.266], df[0.528,0.568], g[3.146,0.214]
1/1 [=====] - 0s 79ms/step
>2560, dr[0.366,0.687], df[0.371,0.655], g[3.537,0.191]
1/1 [=====] - 0s 74ms/step
>2561, dr[1.004,0.384], df[1.041,0.244], g[2.841,0.080]
1/1 [=====] - 0s 84ms/step
>2562, dr[0.322,0.349], df[0.412,0.168], g[4.161,0.049]
1/1 [=====] - 0s 80ms/step
>2563, dr[0.855,0.752], df[0.522,0.036], g[2.692,0.162]
1/1 [=====] - 0s 86ms/step
>2564, dr[0.268,0.773], df[0.242,0.141], g[2.779,0.211]
1/1 [=====] - 0s 90ms/step
>2565, dr[0.408,1.058], df[0.830,0.301], g[4.227,0.099]
1/1 [=====] - 0s 84ms/step
>2566, dr[0.578,1.101], df[0.276,0.158], g[5.326,0.315]
1/1 [=====] - 0s 79ms/step
>2567, dr[1.415,0.749], df[0.881,0.302], g[3.069,0.369]
1/1 [=====] - 0s 77ms/step
>2568, dr[0.397,1.324], df[0.609,0.175], g[3.144,0.269]
1/1 [=====] - 0s 89ms/step
>2569, dr[0.995,0.540], df[0.973,0.212], g[2.545,0.116]
1/1 [=====] - 0s 80ms/step
>2570, dr[0.173,1.273], df[0.757,0.122], g[4.465,0.187]
1/1 [=====] - 0s 75ms/step
>2571, dr[1.133,0.791], df[0.282,0.405], g[2.480,0.445]
1/1 [=====] - 0s 81ms/step
>2572, dr[0.135,0.420], df[0.268,0.181], g[2.559,0.441]
1/1 [=====] - 0s 80ms/step
>2573, dr[0.588,0.817], df[0.686,0.160], g[2.569,0.521]
1/1 [=====] - 0s 81ms/step
>2574, dr[0.228,0.484], df[0.181,0.096], g[4.149,0.166]
1/1 [=====] - 0s 77ms/step
>2575, dr[0.283,0.530], df[0.584,0.194], g[4.298,0.241]
1/1 [=====] - 0s 82ms/step
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>2576, dr[1.042,0.229], df[0.500,0.184], g[3.250,0.108]
1/1 [=====] - 0s 103ms/step
>2577, dr[0.313,0.729], df[0.653,0.256], g[4.263,0.227]
1/1 [=====] - 0s 100ms/step
>2578, dr[0.693,1.036], df[0.888,0.162], g[3.602,0.247]
1/1 [=====] - 0s 85ms/step
>2579, dr[0.474,0.307], df[0.464,0.191], g[3.427,0.245]
1/1 [=====] - 0s 82ms/step
>2580, dr[0.433,1.049], df[0.384,0.186], g[2.850,0.030]
1/1 [=====] - 0s 84ms/step
>2581, dr[0.307,0.908], df[0.391,0.059], g[4.039,0.154]
1/1 [=====] - 0s 85ms/step
>2582, dr[0.541,0.335], df[0.279,0.113], g[3.775,0.060]
1/1 [=====] - 0s 83ms/step
>2583, dr[0.520,1.522], df[0.564,0.207], g[3.418,0.399]
1/1 [=====] - 0s 82ms/step
>2584, dr[0.507,0.633], df[0.328,0.279], g[3.475,0.065]
1/1 [=====] - 0s 76ms/step
>2585, dr[0.679,0.937], df[0.787,0.062], g[3.342,0.055]
1/1 [=====] - 0s 79ms/step
>2586, dr[0.149,0.550], df[0.218,0.008], g[4.073,0.076]
1/1 [=====] - 0s 100ms/step
>2587, dr[0.251,0.300], df[0.290,0.116], g[4.337,0.126]
1/1 [=====] - 0s 87ms/step
>2588, dr[0.717,2.007], df[0.350,0.196], g[2.204,0.115]
1/1 [=====] - 0s 79ms/step
>2589, dr[0.302,0.490], df[0.454,0.590], g[3.108,0.296]
1/1 [=====] - 0s 81ms/step
>2590, dr[0.183,1.181], df[0.503,0.207], g[4.706,0.247]
1/1 [=====] - 0s 76ms/step
>2591, dr[0.542,0.158], df[0.199,0.453], g[2.838,0.194]
1/1 [=====] - 0s 79ms/step
>2592, dr[0.227,1.358], df[0.439,0.049], g[3.114,0.367]
1/1 [=====] - 0s 90ms/step
>2593, dr[0.269,0.702], df[0.772,0.108], g[4.245,0.280]
1/1 [=====] - 0s 80ms/step
>2594, dr[1.027,0.572], df[0.188,0.335], g[2.921,0.274]
1/1 [=====] - 0s 87ms/step
>2595, dr[0.322,1.034], df[0.423,0.002], g[2.672,0.498]
1/1 [=====] - 0s 81ms/step
>2596, dr[0.234,0.892], df[0.392,0.091], g[3.305,0.088]
1/1 [=====] - 0s 79ms/step
>2597, dr[0.744,0.821], df[0.584,0.360], g[2.479,0.148]
1/1 [=====] - 0s 77ms/step
>2598, dr[0.525,1.741], df[0.967,0.386], g[4.301,0.391]
1/1 [=====] - 0s 84ms/step
>2599, dr[0.614,0.770], df[0.558,0.213], g[2.979,0.034]
1/1 [=====] - 0s 71ms/step
>2600, dr[0.387,0.030], df[0.343,0.685], g[4.002,0.099]
1/1 [=====] - 0s 85ms/step
>2601, dr[0.482,0.484], df[0.707,0.143], g[3.537,0.394]
1/1 [=====] - 0s 91ms/step
>2602, dr[0.715,3.464], df[0.834,0.251], g[3.824,0.717]
1/1 [=====] - 0s 88ms/step
>2603, dr[0.953,1.222], df[0.568,0.513], g[3.586,0.180]
1/1 [=====] - 0s 80ms/step
>2604, dr[0.315,0.702], df[0.236,0.018], g[3.254,0.415]
1/1 [=====] - 0s 79ms/step
>2605, dr[0.331,1.230], df[0.467,0.068], g[3.406,0.237]
1/1 [=====] - 0s 74ms/step
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>2606, dr[0.720,0.802], df[0.809,0.323], g[2.925,0.300]
1/1 [=====] - 0s 78ms/step
>2607, dr[0.322,1.080], df[0.267,0.570], g[4.435,0.104]
1/1 [=====] - 0s 91ms/step
>2608, dr[1.858,1.365], df[1.795,0.035], g[2.225,0.309]
1/1 [=====] - 0s 97ms/step
>2609, dr[0.786,0.752], df[0.765,0.336], g[3.920,0.234]
1/1 [=====] - 0s 81ms/step
>2610, dr[0.706,0.569], df[0.527,0.359], g[3.745,0.755]
1/1 [=====] - 0s 78ms/step
>2611, dr[0.407,1.029], df[0.885,0.405], g[4.302,0.200]
1/1 [=====] - 0s 75ms/step
>2612, dr[0.708,1.064], df[0.561,0.088], g[3.361,0.206]
1/1 [=====] - 0s 76ms/step
>2613, dr[0.642,1.081], df[1.022,0.127], g[2.956,0.269]
1/1 [=====] - 0s 76ms/step
>2614, dr[0.853,0.582], df[0.377,0.154], g[3.953,0.554]
1/1 [=====] - 0s 80ms/step
>2615, dr[0.487,0.845], df[0.434,0.134], g[2.712,0.169]
1/1 [=====] - 0s 84ms/step
>2616, dr[0.449,1.102], df[0.573,0.314], g[4.397,0.111]
1/1 [=====] - 0s 85ms/step
>2617, dr[0.288,0.758], df[0.199,0.622], g[4.527,0.402]
1/1 [=====] - 0s 105ms/step
>2618, dr[0.448,0.154], df[0.414,0.268], g[3.561,0.341]
1/1 [=====] - 0s 112ms/step
>2619, dr[0.326,1.544], df[0.312,0.101], g[2.865,0.061]
1/1 [=====] - 0s 78ms/step
>2620, dr[0.307,0.733], df[0.458,0.036], g[3.234,0.088]
1/1 [=====] - 0s 90ms/step
>2621, dr[0.638,0.785], df[0.253,0.262], g[2.143,0.194]
1/1 [=====] - 0s 95ms/step
>2622, dr[0.464,0.666], df[1.033,0.008], g[3.117,0.385]
1/1 [=====] - 0s 96ms/step
>2623, dr[0.383,1.800], df[0.262,0.155], g[3.315,0.229]
1/1 [=====] - 0s 90ms/step
>2624, dr[0.216,0.535], df[0.472,0.346], g[3.830,0.607]
1/1 [=====] - 0s 77ms/step
>2625, dr[0.504,1.863], df[0.337,0.412], g[3.232,0.511]
1/1 [=====] - 0s 86ms/step
>2626, dr[0.707,0.471], df[0.898,0.490], g[3.300,0.177]
1/1 [=====] - 0s 90ms/step
>2627, dr[0.709,0.672], df[0.847,0.325], g[4.167,0.250]
1/1 [=====] - 0s 88ms/step
>2628, dr[0.756,0.277], df[0.285,0.044], g[3.079,0.266]
1/1 [=====] - 0s 84ms/step
>2629, dr[0.561,1.308], df[0.621,0.312], g[2.535,0.144]
1/1 [=====] - 0s 77ms/step
>2630, dr[0.141,0.389], df[0.440,0.140], g[4.004,0.533]
1/1 [=====] - 0s 84ms/step
>2631, dr[0.703,1.508], df[0.550,0.016], g[3.755,0.260]
1/1 [=====] - 0s 94ms/step
>2632, dr[0.564,0.930], df[0.323,0.311], g[3.642,0.184]
1/1 [=====] - 0s 83ms/step
>2633, dr[0.324,0.543], df[0.388,0.412], g[4.208,0.271]
1/1 [=====] - 0s 77ms/step
>2634, dr[0.567,1.105], df[0.720,0.025], g[3.198,0.428]
1/1 [=====] - 0s 124ms/step
>2635, dr[0.655,0.577], df[0.691,0.075], g[3.023,0.379]
1/1 [=====] - 0s 87ms/step
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>2636, dr[0.649,1.650], df[0.701,0.033], g[3.833,0.143]
1/1 [=====] - 0s 82ms/step
>2637, dr[0.701,0.484], df[0.684,0.478], g[3.825,0.098]
1/1 [=====] - 0s 82ms/step
>2638, dr[0.401,0.499], df[0.295,0.045], g[2.686,0.086]
1/1 [=====] - 0s 82ms/step
>2639, dr[0.422,1.068], df[0.529,0.591], g[2.872,0.198]
1/1 [=====] - 0s 80ms/step
>2640, dr[0.335,0.239], df[0.328,0.241], g[3.198,0.214]
1/1 [=====] - 0s 88ms/step
>2641, dr[0.267,1.090], df[0.323,0.134], g[2.980,0.123]
1/1 [=====] - 0s 77ms/step
>2642, dr[0.651,0.699], df[1.087,0.306], g[2.850,0.155]
1/1 [=====] - 0s 79ms/step
>2643, dr[0.484,1.013], df[0.368,0.109], g[3.451,0.227]
1/1 [=====] - 0s 82ms/step
>2644, dr[0.504,1.601], df[0.547,0.261], g[2.798,0.482]
1/1 [=====] - 0s 82ms/step
>2645, dr[0.266,0.689], df[0.423,0.456], g[3.886,0.082]
1/1 [=====] - 0s 84ms/step
>2646, dr[0.560,0.339], df[0.596,0.312], g[3.907,0.390]
1/1 [=====] - 0s 87ms/step
>2647, dr[0.574,0.232], df[0.336,0.123], g[2.868,0.504]
1/1 [=====] - 0s 77ms/step
>2648, dr[0.543,0.639], df[0.407,0.052], g[2.521,0.148]
1/1 [=====] - 0s 82ms/step
>2649, dr[0.202,0.972], df[0.295,0.158], g[3.660,0.088]
1/1 [=====] - 0s 81ms/step
>2650, dr[0.497,1.039], df[0.696,0.191], g[3.901,0.227]
1/1 [=====] - 0s 83ms/step
>2651, dr[0.885,0.739], df[0.390,0.037], g[2.657,0.064]
1/1 [=====] - 0s 86ms/step
>2652, dr[0.328,0.407], df[1.033,0.203], g[4.658,0.201]
1/1 [=====] - 0s 82ms/step
>2653, dr[0.847,0.386], df[0.296,0.504], g[2.690,0.210]
1/1 [=====] - 0s 83ms/step
>2654, dr[0.328,0.358], df[0.805,0.322], g[3.523,0.315]
1/1 [=====] - 0s 90ms/step
>2655, dr[0.605,0.524], df[0.363,0.058], g[3.798,0.377]
1/1 [=====] - 0s 83ms/step
>2656, dr[1.037,0.953], df[1.078,0.166], g[2.312,0.218]
1/1 [=====] - 0s 88ms/step
>2657, dr[0.355,0.655], df[0.359,0.034], g[3.827,0.339]
1/1 [=====] - 0s 111ms/step
>2658, dr[0.522,0.481], df[0.289,0.188], g[3.707,0.201]
1/1 [=====] - 0s 174ms/step
>2659, dr[0.388,1.324], df[0.354,0.291], g[2.549,0.120]
1/1 [=====] - 0s 98ms/step
>2660, dr[0.236,0.843], df[0.642,0.075], g[4.404,0.139]
1/1 [=====] - 0s 89ms/step
>2661, dr[0.205,2.775], df[0.085,0.045], g[3.756,0.153]
1/1 [=====] - 0s 86ms/step
>2662, dr[1.279,0.710], df[0.811,0.117], g[2.116,0.122]
1/1 [=====] - 0s 98ms/step
>2663, dr[0.138,0.356], df[0.890,0.209], g[5.387,0.124]
1/1 [=====] - 0s 78ms/step
>2664, dr[1.747,0.820], df[0.558,0.252], g[3.266,0.276]
1/1 [=====] - 0s 84ms/step
>2665, dr[0.413,1.246], df[0.366,0.325], g[2.896,0.312]
1/1 [=====] - 0s 86ms/step
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>2666, dr[0.360,0.871], df[0.649,0.188], g[3.361,0.188]
1/1 [=====] - 0s 83ms/step
>2667, dr[0.198,0.358], df[0.166,0.093], g[4.380,0.129]
1/1 [=====] - 0s 81ms/step
>2668, dr[1.131,0.460], df[0.988,1.144], g[3.950,0.253]
1/1 [=====] - 0s 108ms/step
>2669, dr[0.499,0.739], df[0.088,0.008], g[3.306,0.291]
1/1 [=====] - 0s 94ms/step
>2670, dr[0.300,0.206], df[1.326,0.046], g[5.227,0.089]
1/1 [=====] - 0s 121ms/step
>2671, dr[0.818,0.764], df[0.209,0.123], g[3.717,0.364]
1/1 [=====] - 0s 168ms/step
>2672, dr[0.462,0.180], df[0.597,0.532], g[3.226,0.142]
1/1 [=====] - 0s 105ms/step
>2673, dr[0.437,0.222], df[0.386,0.606], g[3.106,0.313]
1/1 [=====] - 0s 192ms/step
>2674, dr[0.283,0.213], df[0.417,0.267], g[3.754,0.134]
1/1 [=====] - 0s 112ms/step
>2675, dr[0.421,1.560], df[0.409,0.264], g[3.452,0.082]
1/1 [=====] - 0s 93ms/step
>2676, dr[0.913,1.346], df[0.938,0.177], g[2.757,0.243]
1/1 [=====] - 0s 84ms/step
>2677, dr[0.158,0.450], df[0.382,0.064], g[4.785,0.229]
1/1 [=====] - 0s 90ms/step
>2678, dr[0.966,0.561], df[0.226,0.277], g[2.355,0.101]
1/1 [=====] - 0s 85ms/step
>2679, dr[0.181,0.596], df[0.788,0.152], g[4.123,0.189]
1/1 [=====] - 0s 112ms/step
>2680, dr[1.337,2.023], df[1.037,0.116], g[2.343,0.255]
1/1 [=====] - 0s 155ms/step
>2681, dr[0.387,0.916], df[0.464,0.270], g[3.803,0.229]
1/1 [=====] - 0s 96ms/step
>2682, dr[0.653,0.405], df[0.236,0.022], g[2.724,0.171]
1/1 [=====] - 0s 111ms/step
>2683, dr[0.587,0.686], df[0.918,0.120], g[3.150,0.370]
1/1 [=====] - 0s 156ms/step
>2684, dr[0.801,1.745], df[0.654,0.290], g[3.559,0.309]
1/1 [=====] - 0s 93ms/step
>2685, dr[0.491,1.131], df[0.471,0.322], g[3.792,0.384]
1/1 [=====] - 0s 90ms/step
>2686, dr[0.406,0.457], df[0.287,0.037], g[3.811,0.469]
1/1 [=====] - 0s 110ms/step
>2687, dr[0.466,0.568], df[0.291,0.123], g[3.840,0.340]
1/1 [=====] - 0s 93ms/step
>2688, dr[0.679,1.036], df[0.252,0.245], g[2.106,0.062]
1/1 [=====] - 0s 99ms/step
>2689, dr[0.288,1.270], df[0.439,0.037], g[3.541,0.275]
1/1 [=====] - 0s 91ms/step
>2690, dr[0.312,0.746], df[0.404,0.309], g[3.892,0.183]
1/1 [=====] - 0s 96ms/step
>2691, dr[0.577,1.070], df[0.830,0.089], g[4.242,0.338]
1/1 [=====] - 0s 90ms/step
>2692, dr[1.150,0.501], df[1.183,0.210], g[3.033,0.274]
1/1 [=====] - 0s 77ms/step
>2693, dr[0.484,0.674], df[0.248,0.098], g[3.427,0.349]
1/1 [=====] - 0s 88ms/step
>2694, dr[0.584,0.988], df[0.774,0.189], g[3.123,0.009]
1/1 [=====] - 0s 88ms/step
>2695, dr[0.581,0.968], df[0.426,0.046], g[3.239,0.173]
1/1 [=====] - 0s 82ms/step
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>2696, dr[0.633,0.591], df[0.285,0.262], g[2.509,0.210]
1/1 [=====] - 0s 178ms/step
>2697, dr[0.336,0.654], df[0.746,0.129], g[3.352,0.270]
1/1 [=====] - 0s 84ms/step
>2698, dr[0.561,0.589], df[0.312,0.573], g[3.428,0.244]
1/1 [=====] - 0s 88ms/step
>2699, dr[0.707,0.315], df[0.402,0.163], g[2.645,0.232]
1/1 [=====] - 0s 101ms/step
>2700, dr[0.204,0.479], df[0.346,0.579], g[3.178,0.277]
1/1 [=====] - 0s 90ms/step
>2701, dr[0.527,1.212], df[0.406,0.009], g[3.006,0.525]
1/1 [=====] - 0s 100ms/step
>2702, dr[0.571,1.150], df[0.695,0.197], g[2.694,0.047]
1/1 [=====] - 0s 87ms/step
>2703, dr[0.285,0.716], df[0.231,0.372], g[3.758,0.123]
1/1 [=====] - 0s 82ms/step
>2704, dr[0.361,1.037], df[0.340,0.287], g[2.432,0.190]
1/1 [=====] - 0s 88ms/step
>2705, dr[0.242,0.818], df[0.849,0.086], g[4.375,0.104]
1/1 [=====] - 0s 89ms/step
>2706, dr[0.526,0.397], df[0.096,0.158], g[3.249,0.253]
1/1 [=====] - 0s 76ms/step
>2707, dr[0.440,0.821], df[0.816,0.163], g[3.273,0.446]
1/1 [=====] - 0s 81ms/step
>2708, dr[0.313,0.580], df[0.368,0.220], g[4.186,0.485]
1/1 [=====] - 0s 76ms/step
>2709, dr[0.550,0.501], df[0.352,0.251], g[2.933,0.262]
1/1 [=====] - 0s 77ms/step
>2710, dr[0.691,0.729], df[0.839,0.042], g[2.630,0.183]
1/1 [=====] - 0s 78ms/step
>2711, dr[0.393,1.285], df[0.449,0.191], g[3.516,0.263]
1/1 [=====] - 0s 121ms/step
>2712, dr[0.407,1.697], df[0.478,0.061], g[3.725,0.362]
1/1 [=====] - 0s 98ms/step
>2713, dr[0.670,0.770], df[0.807,0.110], g[4.113,0.345]
1/1 [=====] - 0s 128ms/step
>2714, dr[0.578,1.388], df[0.260,0.796], g[3.148,0.184]
1/1 [=====] - 0s 104ms/step
>2715, dr[0.552,1.001], df[0.497,0.137], g[2.821,0.345]
1/1 [=====] - 0s 107ms/step
>2716, dr[0.367,0.540], df[0.616,0.381], g[4.366,0.234]
1/1 [=====] - 0s 108ms/step
>2717, dr[0.620,0.612], df[0.273,0.565], g[2.244,0.104]
1/1 [=====] - 0s 159ms/step
>2718, dr[0.365,1.492], df[0.809,0.337], g[3.223,0.235]
1/1 [=====] - 0s 106ms/step
>2719, dr[0.687,1.091], df[0.261,0.351], g[2.916,0.355]
1/1 [=====] - 0s 127ms/step
>2720, dr[0.217,0.274], df[0.529,0.143], g[4.363,0.233]
1/1 [=====] - 0s 122ms/step
>2721, dr[0.588,0.835], df[0.372,0.146], g[4.050,0.263]
1/1 [=====] - 0s 97ms/step
>2722, dr[0.567,1.880], df[0.207,0.303], g[2.889,0.273]
1/1 [=====] - 0s 95ms/step
>2723, dr[0.280,0.287], df[0.732,0.240], g[3.661,0.166]
1/1 [=====] - 0s 111ms/step
>2724, dr[0.908,1.625], df[0.416,0.297], g[3.335,0.140]
1/1 [=====] - 0s 98ms/step
>2725, dr[0.424,0.633], df[0.663,0.229], g[4.088,0.356]
1/1 [=====] - 0s 88ms/step
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>2726, dr[0.519,0.619], df[0.316,0.302], g[4.389,0.191]
1/1 [=====] - 0s 80ms/step
>2727, dr[0.603,0.263], df[0.394,0.233], g[2.278,0.298]
1/1 [=====] - 0s 87ms/step
>2728, dr[0.404,0.173], df[1.016,0.103], g[3.702,0.194]
1/1 [=====] - 0s 94ms/step
>2729, dr[0.688,0.381], df[0.533,0.102], g[4.565,0.200]
1/1 [=====] - 0s 92ms/step
>2730, dr[0.814,0.390], df[0.742,0.039], g[2.718,0.188]
1/1 [=====] - 0s 91ms/step
>2731, dr[0.798,0.659], df[0.573,0.044], g[2.963,0.237]
1/1 [=====] - 0s 92ms/step
>2732, dr[0.312,0.715], df[0.457,0.156], g[4.193,0.068]
1/1 [=====] - 0s 127ms/step
>2733, dr[1.010,1.794], df[0.546,0.093], g[2.785,0.065]
1/1 [=====] - 0s 84ms/step
>2734, dr[0.460,1.188], df[0.737,0.242], g[3.590,0.251]
1/1 [=====] - 0s 122ms/step
>2735, dr[0.390,0.316], df[0.550,0.246], g[4.746,0.304]
1/1 [=====] - 0s 124ms/step
>2736, dr[0.790,0.569], df[0.353,0.265], g[2.339,0.317]
1/1 [=====] - 0s 102ms/step
>2737, dr[0.582,1.134], df[0.865,0.117], g[2.384,0.151]
1/1 [=====] - 0s 88ms/step
>2738, dr[0.072,0.763], df[0.267,0.345], g[4.600,0.289]
1/1 [=====] - 0s 113ms/step
>2739, dr[1.067,0.360], df[1.020,0.293], g[3.750,0.286]
1/1 [=====] - 0s 83ms/step
>2740, dr[0.666,0.864], df[0.672,0.042], g[3.152,0.267]
1/1 [=====] - 0s 92ms/step
>2741, dr[0.756,1.321], df[0.940,0.240], g[4.231,0.385]
1/1 [=====] - 0s 105ms/step
>2742, dr[0.976,0.532], df[0.373,0.084], g[2.494,0.335]
1/1 [=====] - 0s 84ms/step
>2743, dr[0.325,1.647], df[0.858,0.230], g[3.910,0.466]
1/1 [=====] - 0s 94ms/step
>2744, dr[0.784,0.998], df[0.276,0.214], g[2.670,0.219]
1/1 [=====] - 0s 129ms/step
>2745, dr[0.335,0.921], df[0.735,0.117], g[3.585,0.237]
1/1 [=====] - 0s 88ms/step
>2746, dr[0.791,0.337], df[0.338,0.576], g[2.328,0.264]
1/1 [=====] - 0s 93ms/step
>2747, dr[0.288,1.024], df[0.540,0.244], g[3.025,0.414]
1/1 [=====] - 0s 89ms/step
>2748, dr[0.475,1.157], df[0.359,0.384], g[3.183,0.231]
1/1 [=====] - 0s 84ms/step
>2749, dr[1.420,0.497], df[2.220,0.169], g[3.136,0.105]
1/1 [=====] - 0s 83ms/step
>2750, dr[0.312,1.035], df[0.198,0.165], g[4.520,0.131]
1/1 [=====] - 0s 91ms/step
>2751, dr[0.772,0.668], df[0.288,0.386], g[3.010,0.045]
1/1 [=====] - 0s 85ms/step
>2752, dr[0.331,0.648], df[0.308,0.096], g[2.324,0.323]
1/1 [=====] - 0s 87ms/step
>2753, dr[0.379,0.718], df[0.785,0.541], g[3.358,0.171]
1/1 [=====] - 0s 90ms/step
>2754, dr[0.547,0.760], df[0.415,0.241], g[3.922,0.291]
1/1 [=====] - 0s 118ms/step
>2755, dr[0.589,0.984], df[0.189,0.168], g[2.391,0.256]
1/1 [=====] - 0s 182ms/step
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>2756, dr[0.222,0.292], df[1.094,0.084], g[4.730,0.121]
1/1 [=====] - 0s 138ms/step
>2757, dr[1.142,0.571], df[0.589,0.046], g[3.901,0.095]
1/1 [=====] - 0s 116ms/step
>2758, dr[0.325,1.383], df[0.444,0.160], g[3.540,0.514]
1/1 [=====] - 0s 91ms/step
>2759, dr[0.611,1.243], df[0.586,0.221], g[2.803,0.391]
1/1 [=====] - 0s 96ms/step
>2760, dr[0.335,0.464], df[0.634,0.343], g[3.824,0.147]
1/1 [=====] - 0s 90ms/step
>2761, dr[1.161,0.624], df[0.867,0.149], g[3.656,0.598]
1/1 [=====] - 0s 102ms/step
>2762, dr[0.611,0.842], df[0.848,0.042], g[3.474,0.123]
1/1 [=====] - 0s 107ms/step
>2763, dr[0.757,1.089], df[1.227,0.590], g[4.123,0.420]
1/1 [=====] - 0s 110ms/step
>2764, dr[0.640,0.989], df[0.212,0.704], g[4.038,0.230]
1/1 [=====] - 0s 108ms/step
>2765, dr[1.289,0.883], df[0.781,0.371], g[1.708,0.387]
1/1 [=====] - 0s 148ms/step
>2766, dr[0.137,1.121], df[0.694,0.104], g[4.296,0.433]
1/1 [=====] - 0s 88ms/step
>2767, dr[1.308,1.558], df[0.865,0.044], g[2.954,0.197]
1/1 [=====] - 0s 103ms/step
>2768, dr[0.449,0.699], df[0.700,0.259], g[3.351,0.201]
1/1 [=====] - 0s 114ms/step
>2769, dr[0.321,0.820], df[0.138,0.199], g[3.676,0.225]
1/1 [=====] - 0s 88ms/step
>2770, dr[0.949,0.941], df[1.074,0.135], g[2.720,0.058]
1/1 [=====] - 0s 119ms/step
>2771, dr[0.337,0.916], df[0.536,0.149], g[3.959,0.174]
1/1 [=====] - 0s 100ms/step
>2772, dr[0.556,0.930], df[0.301,0.128], g[3.775,0.307]
1/1 [=====] - 0s 89ms/step
>2773, dr[0.921,0.391], df[1.015,0.303], g[3.053,0.167]
1/1 [=====] - 0s 80ms/step
>2774, dr[0.335,0.781], df[0.307,0.433], g[2.781,0.082]
1/1 [=====] - 0s 91ms/step
>2775, dr[0.580,1.255], df[1.092,0.364], g[3.871,0.144]
1/1 [=====] - 0s 85ms/step
>2776, dr[0.410,0.766], df[0.265,0.157], g[4.697,0.184]
1/1 [=====] - 0s 92ms/step
>2777, dr[0.949,0.575], df[0.632,0.298], g[3.123,0.252]
1/1 [=====] - 0s 83ms/step
>2778, dr[0.226,1.031], df[0.515,0.409], g[4.017,0.134]
1/1 [=====] - 0s 89ms/step
>2779, dr[0.394,1.162], df[0.339,0.232], g[3.842,0.175]
1/1 [=====] - 0s 89ms/step
>2780, dr[0.724,1.455], df[0.491,0.587], g[2.408,0.057]
1/1 [=====] - 0s 91ms/step
>2781, dr[0.436,1.077], df[1.383,0.093], g[4.331,0.152]
1/1 [=====] - 0s 83ms/step
>2782, dr[0.621,0.848], df[0.279,0.062], g[3.881,0.126]
1/1 [=====] - 0s 85ms/step
>2783, dr[0.704,0.524], df[0.773,0.117], g[3.327,0.160]
1/1 [=====] - 0s 93ms/step
>2784, dr[0.379,0.778], df[0.592,0.167], g[4.612,0.062]
1/1 [=====] - 0s 101ms/step
>2785, dr[0.702,0.135], df[0.193,0.021], g[3.722,0.032]
1/1 [=====] - 0s 79ms/step
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>2786, dr[0.414,0.828], df[0.584,0.270], g[2.720,0.184]
1/1 [=====] - 1s 690ms/step
>2787, dr[0.436,1.396], df[0.482,0.363], g[2.599,0.166]
1/1 [=====] - 0s 89ms/step
>2788, dr[0.848,0.348], df[0.551,0.110], g[2.169,0.143]
1/1 [=====] - 0s 90ms/step
>2789, dr[0.180,1.079], df[0.643,0.177], g[4.456,0.141]
1/1 [=====] - 0s 82ms/step
>2790, dr[1.365,1.070], df[0.775,0.149], g[2.144,0.191]
1/1 [=====] - 0s 84ms/step
>2791, dr[0.567,0.542], df[0.929,0.073], g[3.397,0.103]
1/1 [=====] - 0s 85ms/step
>2792, dr[0.293,0.606], df[0.409,0.863], g[4.965,0.306]
1/1 [=====] - 0s 96ms/step
>2793, dr[1.138,0.448], df[0.688,0.020], g[2.520,0.545]
1/1 [=====] - 0s 105ms/step
>2794, dr[0.653,0.904], df[1.130,0.160], g[4.680,0.290]
1/1 [=====] - 0s 121ms/step
>2795, dr[0.601,1.468], df[0.396,0.044], g[4.178,0.301]
1/1 [=====] - 0s 94ms/step
>2796, dr[0.540,0.613], df[0.508,0.230], g[3.608,0.302]
1/1 [=====] - 0s 94ms/step
>2797, dr[0.301,0.936], df[0.359,0.383], g[3.361,0.328]
1/1 [=====] - 0s 77ms/step
>2798, dr[0.628,1.424], df[0.382,0.157], g[2.549,0.480]
1/1 [=====] - 0s 78ms/step
>2799, dr[0.375,0.929], df[0.651,0.078], g[3.030,0.137]
1/1 [=====] - 0s 80ms/step
>2800, dr[0.598,1.366], df[0.971,0.005], g[4.247,0.205]
1/1 [=====] - 0s 73ms/step
>2801, dr[0.797,2.162], df[0.422,0.136], g[3.387,0.312]
1/1 [=====] - 0s 81ms/step
>2802, dr[0.543,0.632], df[0.790,0.281], g[3.589,0.557]
1/1 [=====] - 0s 88ms/step
>2803, dr[1.114,0.795], df[0.581,0.467], g[2.950,0.172]
1/1 [=====] - 0s 90ms/step
>2804, dr[0.326,1.437], df[0.467,0.756], g[2.780,0.177]
1/1 [=====] - 0s 111ms/step
>2805, dr[0.580,0.219], df[0.423,0.306], g[2.318,0.351]
1/1 [=====] - 0s 112ms/step
>2806, dr[0.302,0.341], df[0.281,0.056], g[3.076,0.063]
1/1 [=====] - 0s 97ms/step
>2807, dr[0.766,1.358], df[0.836,0.176], g[3.016,0.103]
1/1 [=====] - 0s 92ms/step
>2808, dr[0.924,1.421], df[0.851,0.525], g[3.688,0.192]
1/1 [=====] - 0s 88ms/step
>2809, dr[0.951,1.009], df[0.785,0.225], g[3.632,0.130]
1/1 [=====] - 0s 89ms/step
>2810, dr[0.335,0.793], df[0.477,0.140], g[4.388,0.281]
1/1 [=====] - 0s 86ms/step
>2811, dr[0.717,0.846], df[0.506,0.052], g[2.851,0.162]
4/4 [=====] - 0s 49ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 106ms/step
>2812, dr[0.276,0.426], df[0.513,0.395], g[4.350,0.035]
1/1 [=====] - 0s 96ms/step
>2813, dr[0.519,0.134], df[0.113,0.149], g[3.666,0.324]
1/1 [=====] - 0s 93ms/step

```

```
>2814, dr[0.377,1.306], df[0.816,0.490], g[2.897,0.100]
1/1 [=====] - 0s 109ms/step
>2815, dr[0.559,1.535], df[0.679,0.319], g[3.696,0.092]
1/1 [=====] - 0s 91ms/step
>2816, dr[0.862,1.514], df[0.654,0.087], g[2.174,0.284]
1/1 [=====] - 0s 122ms/step
>2817, dr[0.294,0.611], df[0.402,0.320], g[3.588,0.153]
1/1 [=====] - 0s 93ms/step
>2818, dr[0.605,1.258], df[0.376,0.350], g[2.863,0.197]
1/1 [=====] - 0s 86ms/step
>2819, dr[0.658,0.058], df[1.259,0.295], g[4.304,0.205]
1/1 [=====] - 0s 87ms/step
>2820, dr[1.255,1.042], df[0.436,0.153], g[1.735,0.600]
1/1 [=====] - 0s 91ms/step
>2821, dr[0.132,0.500], df[0.506,0.478], g[3.736,0.328]
1/1 [=====] - 0s 105ms/step
>2822, dr[0.651,1.088], df[0.434,0.188], g[2.860,0.063]
1/1 [=====] - 0s 167ms/step
>2823, dr[0.255,0.710], df[0.625,0.136], g[3.896,0.400]
1/1 [=====] - 0s 110ms/step
>2824, dr[0.315,1.465], df[0.062,0.290], g[3.084,0.244]
1/1 [=====] - 0s 117ms/step
>2825, dr[0.569,1.336], df[1.209,0.396], g[4.117,0.146]
1/1 [=====] - 0s 101ms/step
>2826, dr[0.927,0.849], df[0.314,0.577], g[3.036,0.445]
1/1 [=====] - 0s 88ms/step
>2827, dr[0.280,0.712], df[0.346,0.632], g[3.142,0.395]
1/1 [=====] - 0s 109ms/step
>2828, dr[0.241,0.273], df[0.191,0.450], g[3.842,0.124]
1/1 [=====] - 0s 91ms/step
>2829, dr[0.803,0.634], df[0.978,0.088], g[2.580,0.114]
1/1 [=====] - 0s 88ms/step
>2830, dr[0.567,1.137], df[0.396,0.096], g[3.067,0.271]
1/1 [=====] - 0s 101ms/step
>2831, dr[0.260,0.418], df[0.410,0.115], g[3.882,0.230]
1/1 [=====] - 0s 97ms/step
>2832, dr[0.474,0.548], df[0.484,0.039], g[3.245,0.302]
1/1 [=====] - 0s 84ms/step
>2833, dr[0.485,0.569], df[0.402,0.421], g[3.821,0.313]
1/1 [=====] - 0s 99ms/step
>2834, dr[0.357,0.815], df[0.190,0.023], g[3.001,0.286]
1/1 [=====] - 0s 82ms/step
>2835, dr[0.253,1.171], df[0.429,0.543], g[3.869,0.496]
1/1 [=====] - 0s 88ms/step
>2836, dr[0.275,0.687], df[0.201,0.122], g[3.365,0.531]
1/1 [=====] - 0s 84ms/step
>2837, dr[0.507,0.839], df[0.585,0.426], g[3.968,0.335]
1/1 [=====] - 0s 85ms/step
>2838, dr[0.579,0.802], df[0.332,0.078], g[3.594,0.165]
1/1 [=====] - 0s 100ms/step
>2839, dr[0.277,1.390], df[0.425,0.268], g[3.411,0.285]
1/1 [=====] - 0s 94ms/step
>2840, dr[0.498,0.464], df[0.249,0.321], g[2.879,0.145]
1/1 [=====] - 0s 94ms/step
>2841, dr[0.413,0.870], df[0.483,0.099], g[4.360,0.114]
1/1 [=====] - 0s 88ms/step
>2842, dr[0.541,1.099], df[0.314,0.113], g[3.372,0.343]
1/1 [=====] - 0s 88ms/step
>2843, dr[0.377,0.860], df[0.845,0.063], g[4.278,0.250]
1/1 [=====] - 0s 81ms/step
```

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>2844, dr[0.738,0.409], df[0.297,0.045], g[3.443,0.521]
1/1 [=====] - 0s 96ms/step
>2845, dr[0.899,0.331], df[0.903,0.014], g[2.550,0.136]
1/1 [=====] - 0s 90ms/step
>2846, dr[0.333,0.642], df[0.447,0.060], g[3.932,0.226]
1/1 [=====] - 0s 91ms/step
>2847, dr[1.012,0.612], df[0.994,0.145], g[4.831,0.074]
1/1 [=====] - 0s 92ms/step
>2848, dr[0.605,0.833], df[0.534,0.203], g[3.582,0.257]
1/1 [=====] - 0s 89ms/step
>2849, dr[0.971,1.615], df[0.488,0.237], g[3.072,0.325]
1/1 [=====] - 0s 90ms/step
>2850, dr[0.248,0.230], df[0.369,0.208], g[3.223,0.302]
1/1 [=====] - 0s 137ms/step
>2851, dr[1.188,1.168], df[1.277,0.145], g[3.120,0.166]
1/1 [=====] - 0s 75ms/step
>2852, dr[0.322,1.040], df[0.374,0.267], g[4.636,0.135]
1/1 [=====] - 0s 81ms/step
>2853, dr[0.673,1.365], df[0.223,0.222], g[2.783,0.468]
1/1 [=====] - 0s 89ms/step
>2854, dr[0.441,0.854], df[1.068,0.500], g[2.778,0.318]
1/1 [=====] - 0s 87ms/step
>2855, dr[0.599,0.755], df[0.339,0.246], g[2.750,0.347]
1/1 [=====] - 0s 86ms/step
>2856, dr[0.220,0.851], df[0.397,0.065], g[3.713,0.192]
1/1 [=====] - 0s 81ms/step
>2857, dr[0.557,1.194], df[0.675,0.103], g[4.363,0.219]
1/1 [=====] - 0s 87ms/step
>2858, dr[1.591,1.694], df[1.531,0.103], g[3.365,0.122]
1/1 [=====] - 0s 77ms/step
>2859, dr[0.507,0.180], df[0.608,0.436], g[4.250,0.090]
1/1 [=====] - 0s 88ms/step
>2860, dr[1.425,0.471], df[1.377,0.404], g[3.375,0.095]
1/1 [=====] - 0s 82ms/step
>2861, dr[0.747,0.487], df[0.159,0.139], g[3.507,0.254]
1/1 [=====] - 0s 86ms/step
>2862, dr[0.984,0.514], df[0.889,0.246], g[2.655,0.237]
1/1 [=====] - 0s 89ms/step
>2863, dr[0.206,1.286], df[0.442,0.070], g[3.548,0.333]
1/1 [=====] - 0s 91ms/step
>2864, dr[0.872,1.424], df[0.787,0.085], g[2.970,0.209]
1/1 [=====] - 0s 89ms/step
>2865, dr[0.460,0.999], df[0.358,0.061], g[3.500,0.090]
1/1 [=====] - 0s 87ms/step
>2866, dr[0.414,0.495], df[0.379,0.221], g[3.453,0.181]
1/1 [=====] - 0s 79ms/step
>2867, dr[0.282,0.785], df[0.373,0.202], g[3.845,0.109]
1/1 [=====] - 0s 80ms/step
>2868, dr[0.700,1.313], df[0.454,0.400], g[3.031,0.128]
1/1 [=====] - 0s 96ms/step
>2869, dr[0.382,0.706], df[0.303,0.053], g[3.411,0.257]
1/1 [=====] - 0s 85ms/step
>2870, dr[0.648,0.996], df[0.366,0.054], g[2.688,0.733]
1/1 [=====] - 0s 84ms/step
>2871, dr[0.213,0.540], df[0.455,0.008], g[3.632,0.186]
1/1 [=====] - 0s 78ms/step
>2872, dr[0.459,1.214], df[0.263,0.555], g[3.263,0.167]
1/1 [=====] - 0s 78ms/step
>2873, dr[0.634,0.509], df[0.757,0.110], g[2.947,0.282]
1/1 [=====] - 0s 81ms/step
```

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>2874, dr[0.205,0.796], df[0.161,0.305], g[3.677,0.327]
1/1 [=====] - 0s 80ms/step
>2875, dr[0.752,1.448], df[0.752,0.024], g[3.572,0.216]
1/1 [=====] - 0s 78ms/step
>2876, dr[0.295,0.536], df[0.357,0.471], g[3.986,0.159]
1/1 [=====] - 0s 78ms/step
>2877, dr[0.524,1.189], df[0.517,0.354], g[3.189,0.385]
1/1 [=====] - 0s 75ms/step
>2878, dr[0.544,1.310], df[0.439,0.191], g[3.892,0.117]
1/1 [=====] - 0s 96ms/step
>2879, dr[0.366,0.589], df[0.305,0.256], g[3.565,0.281]
1/1 [=====] - 0s 109ms/step
>2880, dr[0.229,0.236], df[0.804,0.227], g[5.297,0.109]
1/1 [=====] - 0s 89ms/step
>2881, dr[1.269,1.230], df[0.582,0.046], g[2.843,0.302]
1/1 [=====] - 0s 84ms/step
>2882, dr[0.352,0.655], df[0.359,0.088], g[3.031,0.275]
1/1 [=====] - 0s 91ms/step
>2883, dr[0.487,0.583], df[0.686,0.359], g[3.810,0.203]
1/1 [=====] - 0s 88ms/step
>2884, dr[0.304,0.878], df[0.304,0.303], g[4.599,0.344]
1/1 [=====] - 0s 94ms/step
>2885, dr[0.786,0.456], df[0.499,0.100], g[2.300,0.137]
1/1 [=====] - 0s 93ms/step
>2886, dr[0.266,0.877], df[0.416,0.084], g[2.498,0.266]
1/1 [=====] - 0s 89ms/step
>2887, dr[0.201,1.523], df[0.307,0.005], g[3.535,0.081]
1/1 [=====] - 0s 79ms/step
>2888, dr[0.880,2.088], df[1.266,0.151], g[3.277,0.169]
1/1 [=====] - 0s 95ms/step
>2889, dr[0.584,0.625], df[0.328,0.254], g[4.303,0.351]
1/1 [=====] - 0s 110ms/step
>2890, dr[0.883,0.378], df[0.506,0.187], g[2.502,0.319]
1/1 [=====] - 0s 81ms/step
>2891, dr[0.262,0.680], df[0.314,0.120], g[2.783,0.024]
1/1 [=====] - 0s 88ms/step
>2892, dr[0.399,1.209], df[0.552,0.054], g[3.579,0.672]
1/1 [=====] - 0s 92ms/step
>2893, dr[0.787,0.716], df[0.528,0.275], g[1.953,0.310]
1/1 [=====] - 0s 92ms/step
>2894, dr[0.294,0.308], df[0.632,0.001], g[3.878,0.310]
1/1 [=====] - 0s 97ms/step
>2895, dr[0.882,1.094], df[0.643,0.165], g[3.158,0.399]
1/1 [=====] - 0s 81ms/step
>2896, dr[0.462,1.519], df[0.729,0.214], g[3.903,0.175]
1/1 [=====] - 0s 90ms/step
>2897, dr[1.244,1.899], df[0.869,0.271], g[2.244,0.552]
1/1 [=====] - 0s 108ms/step
>2898, dr[0.163,1.969], df[0.313,0.077], g[3.837,0.078]
1/1 [=====] - 0s 80ms/step
>2899, dr[0.946,0.648], df[0.551,0.213], g[2.273,0.299]
1/1 [=====] - 0s 103ms/step
>2900, dr[0.323,0.960], df[0.677,0.261], g[2.940,0.383]
1/1 [=====] - 0s 100ms/step
>2901, dr[0.705,0.944], df[0.531,0.208], g[2.482,0.121]
1/1 [=====] - 0s 94ms/step
>2902, dr[0.286,1.063], df[1.006,0.196], g[4.610,0.449]
1/1 [=====] - 0s 103ms/step
>2903, dr[1.209,0.829], df[0.228,0.132], g[3.379,0.112]
1/1 [=====] - 0s 100ms/step
```

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>2904, dr[0.469,1.353], df[0.681,0.191], g[3.027,0.269]
1/1 [=====] - 0s 81ms/step
>2905, dr[0.180,0.840], df[0.478,0.129], g[4.301,0.185]
1/1 [=====] - 0s 80ms/step
>2906, dr[0.533,0.287], df[0.417,0.056], g[3.693,0.196]
1/1 [=====] - 0s 91ms/step
>2907, dr[0.408,0.579], df[0.456,0.155], g[3.478,0.064]
1/1 [=====] - 0s 80ms/step
>2908, dr[0.478,0.949], df[0.360,0.205], g[3.290,0.318]
1/1 [=====] - 0s 77ms/step
>2909, dr[0.905,0.409], df[0.671,0.387], g[1.850,0.160]
1/1 [=====] - 0s 80ms/step
>2910, dr[0.286,0.173], df[0.322,0.159], g[2.900,0.233]
1/1 [=====] - 0s 83ms/step
>2911, dr[0.225,0.511], df[0.430,0.106], g[3.759,0.232]
1/1 [=====] - 0s 85ms/step
>2912, dr[0.721,1.384], df[0.380,0.009], g[2.956,0.363]
1/1 [=====] - 0s 77ms/step
>2913, dr[0.637,0.648], df[1.101,0.288], g[4.657,0.150]
1/1 [=====] - 0s 87ms/step
>2914, dr[0.545,0.617], df[0.088,0.300], g[2.496,0.084]
1/1 [=====] - 0s 88ms/step
>2915, dr[0.324,0.449], df[0.860,0.080], g[3.602,0.373]
1/1 [=====] - 0s 83ms/step
>2916, dr[0.776,0.488], df[0.382,0.143], g[3.062,0.294]
1/1 [=====] - 0s 81ms/step
>2917, dr[0.577,0.236], df[0.565,0.344], g[3.487,0.115]
1/1 [=====] - 0s 81ms/step
>2918, dr[0.572,0.827], df[0.419,0.029], g[3.084,0.049]
1/1 [=====] - 0s 78ms/step
>2919, dr[0.248,0.418], df[0.695,0.232], g[3.374,0.339]
1/1 [=====] - 0s 83ms/step
>2920, dr[0.579,0.219], df[0.332,0.066], g[2.858,0.094]
1/1 [=====] - 0s 78ms/step
>2921, dr[0.419,1.871], df[0.806,0.078], g[4.328,0.118]
1/1 [=====] - 0s 77ms/step
>2922, dr[0.667,0.523], df[0.232,0.118], g[3.196,0.304]
1/1 [=====] - 0s 74ms/step
>2923, dr[0.490,1.083], df[0.586,0.065], g[2.496,0.132]
1/1 [=====] - 0s 77ms/step
>2924, dr[0.390,0.203], df[0.608,0.155], g[2.550,0.220]
1/1 [=====] - 0s 82ms/step
>2925, dr[0.731,0.984], df[0.577,0.167], g[2.873,0.346]
1/1 [=====] - 0s 80ms/step
>2926, dr[0.387,0.710], df[0.470,0.026], g[3.454,0.078]
1/1 [=====] - 0s 81ms/step
>2927, dr[0.525,1.052], df[0.524,0.093], g[3.137,0.270]
1/1 [=====] - 0s 82ms/step
>2928, dr[1.043,1.733], df[0.820,0.150], g[2.934,0.231]
1/1 [=====] - 0s 82ms/step
>2929, dr[0.225,0.697], df[0.263,0.121], g[3.990,0.236]
1/1 [=====] - 0s 79ms/step
>2930, dr[0.635,1.069], df[0.310,0.049], g[2.350,0.260]
1/1 [=====] - 0s 80ms/step
>2931, dr[0.527,0.383], df[0.905,0.142], g[3.091,0.237]
1/1 [=====] - 0s 93ms/step
>2932, dr[0.785,1.610], df[0.993,0.509], g[4.359,0.164]
1/1 [=====] - 0s 119ms/step
>2933, dr[1.259,0.968], df[0.354,0.449], g[1.972,0.199]
1/1 [=====] - 0s 104ms/step
```

```
>2934, dr[0.288,1.117], df[0.655,0.500], g[2.863,0.141]
1/1 [=====] - 0s 82ms/step
>2935, dr[0.397,0.751], df[0.515,0.623], g[3.006,0.369]
1/1 [=====] - 0s 89ms/step
>2936, dr[0.422,1.799], df[0.333,0.193], g[2.783,0.096]
1/1 [=====] - 0s 97ms/step
>2937, dr[0.497,0.231], df[0.551,0.084], g[2.643,0.190]
1/1 [=====] - 0s 84ms/step
>2938, dr[0.776,0.907], df[0.821,0.069], g[3.510,0.134]
1/1 [=====] - 0s 79ms/step
>2939, dr[0.486,1.184], df[0.366,0.074], g[2.880,0.243]
1/1 [=====] - 0s 90ms/step
>2940, dr[0.420,0.519], df[0.430,0.333], g[2.994,0.198]
1/1 [=====] - 0s 99ms/step
>2941, dr[0.614,0.973], df[0.785,0.045], g[3.076,0.149]
1/1 [=====] - 0s 89ms/step
>2942, dr[0.307,1.476], df[0.383,0.395], g[3.475,0.365]
1/1 [=====] - 0s 73ms/step
>2943, dr[0.865,0.160], df[0.712,0.140], g[2.949,0.216]
1/1 [=====] - 0s 78ms/step
>2944, dr[0.284,0.553], df[0.268,0.672], g[3.615,0.180]
1/1 [=====] - 0s 83ms/step
>2945, dr[0.485,1.074], df[0.523,0.009], g[2.865,0.197]
1/1 [=====] - 0s 76ms/step
>2946, dr[0.705,0.577], df[0.320,0.180], g[2.274,0.504]
1/1 [=====] - 0s 87ms/step
>2947, dr[0.374,1.023], df[0.748,0.180], g[3.254,0.456]
1/1 [=====] - 0s 88ms/step
>2948, dr[0.369,1.989], df[0.409,0.077], g[3.349,0.883]
1/1 [=====] - 0s 78ms/step
>2949, dr[0.886,0.434], df[1.554,0.696], g[3.882,0.259]
1/1 [=====] - 0s 78ms/step
>2950, dr[0.611,1.899], df[0.422,0.097], g[3.552,0.626]
1/1 [=====] - 0s 77ms/step
>2951, dr[0.558,1.210], df[0.485,0.183], g[3.882,0.290]
1/1 [=====] - 0s 82ms/step
>2952, dr[0.575,0.641], df[0.751,0.075], g[3.676,0.379]
1/1 [=====] - 0s 80ms/step
>2953, dr[0.390,0.883], df[0.492,0.492], g[3.557,0.063]
1/1 [=====] - 0s 81ms/step
>2954, dr[0.796,0.581], df[0.505,0.242], g[2.994,0.098]
1/1 [=====] - 0s 73ms/step
>2955, dr[0.373,0.807], df[0.250,0.205], g[2.705,0.062]
1/1 [=====] - 0s 80ms/step
>2956, dr[0.435,0.765], df[1.000,0.047], g[4.991,0.171]
1/1 [=====] - 0s 79ms/step
>2957, dr[1.366,1.133], df[0.406,0.161], g[3.674,0.262]
1/1 [=====] - 0s 80ms/step
>2958, dr[0.516,0.898], df[0.553,0.287], g[2.371,0.466]
1/1 [=====] - 0s 82ms/step
>2959, dr[0.114,0.694], df[0.322,0.361], g[5.045,0.067]
1/1 [=====] - 0s 82ms/step
>2960, dr[0.803,0.472], df[0.896,0.107], g[4.792,0.302]
1/1 [=====] - 0s 74ms/step
>2961, dr[0.914,1.060], df[0.494,0.035], g[3.635,0.431]
1/1 [=====] - 0s 85ms/step
>2962, dr[0.425,1.317], df[0.290,0.034], g[3.168,0.544]
1/1 [=====] - 0s 78ms/step
>2963, dr[0.424,0.605], df[0.546,0.500], g[2.980,0.084]
1/1 [=====] - 0s 82ms/step
```

```
>2964, dr[0.587,0.936], df[0.933,0.336], g[3.989,0.088]
1/1 [=====] - 0s 89ms/step
>2965, dr[0.749,0.564], df[0.371,0.122], g[2.930,0.200]
1/1 [=====] - 0s 77ms/step
>2966, dr[0.552,0.444], df[0.344,0.152], g[2.513,0.118]
1/1 [=====] - 0s 113ms/step
>2967, dr[0.191,0.492], df[0.694,0.175], g[4.174,0.130]
1/1 [=====] - 0s 88ms/step
>2968, dr[0.653,0.267], df[0.301,0.007], g[4.371,0.227]
1/1 [=====] - 0s 86ms/step
>2969, dr[0.775,1.226], df[0.859,0.123], g[3.810,0.247]
1/1 [=====] - 0s 105ms/step
>2970, dr[0.772,0.707], df[0.548,0.209], g[3.425,0.135]
1/1 [=====] - 0s 92ms/step
>2971, dr[0.517,0.688], df[0.583,0.065], g[2.935,0.135]
1/1 [=====] - 0s 91ms/step
>2972, dr[0.327,0.631], df[0.339,0.151], g[4.368,0.231]
1/1 [=====] - 0s 87ms/step
>2973, dr[0.926,1.472], df[0.749,0.326], g[2.562,0.238]
1/1 [=====] - 0s 87ms/step
>2974, dr[0.437,1.294], df[0.835,0.185], g[2.593,0.272]
1/1 [=====] - 0s 86ms/step
>2975, dr[0.351,0.594], df[0.597,0.250], g[4.514,0.157]
1/1 [=====] - 0s 84ms/step
>2976, dr[0.880,1.235], df[0.263,0.202], g[2.377,0.147]
1/1 [=====] - 0s 91ms/step
>2977, dr[0.325,0.993], df[1.130,0.139], g[3.480,0.260]
1/1 [=====] - 0s 93ms/step
>2978, dr[0.684,1.250], df[0.476,0.243], g[3.257,0.058]
1/1 [=====] - 0s 85ms/step
>2979, dr[0.742,0.761], df[1.620,0.394], g[3.863,0.353]
1/1 [=====] - 0s 80ms/step
>2980, dr[0.419,0.925], df[0.266,0.054], g[4.213,0.213]
1/1 [=====] - 0s 85ms/step
>2981, dr[0.793,1.108], df[0.782,0.177], g[2.816,0.383]
1/1 [=====] - 0s 89ms/step
>2982, dr[0.465,1.331], df[0.744,0.147], g[3.079,0.297]
1/1 [=====] - 0s 89ms/step
>2983, dr[0.382,1.936], df[0.590,0.172], g[3.825,0.157]
1/1 [=====] - 0s 92ms/step
>2984, dr[1.022,0.837], df[0.401,0.126], g[2.287,0.112]
1/1 [=====] - 0s 78ms/step
>2985, dr[0.467,0.856], df[0.993,0.016], g[3.624,0.523]
1/1 [=====] - 0s 86ms/step
>2986, dr[0.618,0.787], df[0.232,0.335], g[3.223,0.211]
1/1 [=====] - 0s 87ms/step
>2987, dr[0.691,1.879], df[1.007,0.355], g[2.777,0.106]
1/1 [=====] - 0s 84ms/step
>2988, dr[0.420,1.015], df[0.374,0.250], g[3.697,0.259]
1/1 [=====] - 0s 84ms/step
>2989, dr[0.698,1.406], df[0.851,0.167], g[2.928,0.369]
1/1 [=====] - 0s 88ms/step
>2990, dr[0.574,0.630], df[0.542,0.297], g[3.915,0.168]
1/1 [=====] - 0s 90ms/step
>2991, dr[0.514,1.031], df[0.381,0.504], g[3.088,0.201]
1/1 [=====] - 0s 88ms/step
>2992, dr[0.234,0.633], df[0.270,0.319], g[2.922,0.405]
1/1 [=====] - 0s 88ms/step
>2993, dr[0.431,1.153], df[0.789,0.484], g[3.090,0.092]
1/1 [=====] - 0s 81ms/step
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>2994, dr[0.799,1.880], df[0.846,0.033], g[3.184,0.111]
1/1 [=====] - 0s 77ms/step
>2995, dr[0.655,0.487], df[0.621,0.325], g[3.801,0.186]
1/1 [=====] - 0s 85ms/step
>2996, dr[0.254,0.425], df[0.125,0.073], g[3.979,0.235]
1/1 [=====] - 0s 72ms/step
>2997, dr[0.833,0.863], df[0.907,0.173], g[2.951,0.092]
1/1 [=====] - 0s 81ms/step
>2998, dr[0.553,1.093], df[0.415,0.182], g[2.558,0.437]
1/1 [=====] - 0s 77ms/step
>2999, dr[0.441,0.204], df[0.521,0.105], g[3.468,0.058]
1/1 [=====] - 0s 74ms/step
>3000, dr[0.731,0.583], df[0.489,0.200], g[3.122,0.180]
1/1 [=====] - 0s 77ms/step
>3001, dr[0.686,1.135], df[0.731,0.596], g[3.944,0.105]
1/1 [=====] - 0s 73ms/step
>3002, dr[0.717,0.440], df[0.605,0.120], g[4.127,0.185]
1/1 [=====] - 0s 78ms/step
>3003, dr[0.485,0.401], df[0.495,0.315], g[3.363,0.203]
1/1 [=====] - 0s 92ms/step
>3004, dr[0.918,1.738], df[0.735,0.092], g[2.381,0.066]
1/1 [=====] - 0s 80ms/step
>3005, dr[0.387,1.191], df[0.978,0.124], g[3.774,0.093]
1/1 [=====] - 0s 85ms/step
>3006, dr[0.792,1.215], df[0.302,0.367], g[2.509,0.079]
1/1 [=====] - 0s 86ms/step
>3007, dr[0.204,0.483], df[0.492,0.250], g[3.312,0.066]
1/1 [=====] - 0s 84ms/step
>3008, dr[0.429,0.269], df[0.304,0.367], g[4.263,0.247]
1/1 [=====] - 0s 83ms/step
>3009, dr[1.077,1.130], df[0.350,0.265], g[2.256,0.132]
1/1 [=====] - 0s 84ms/step
>3010, dr[0.220,0.774], df[0.724,0.054], g[3.207,0.141]
1/1 [=====] - 0s 82ms/step
>3011, dr[0.983,1.109], df[0.318,0.386], g[1.955,0.068]
1/1 [=====] - 0s 83ms/step
>3012, dr[0.181,0.696], df[0.521,0.375], g[3.124,0.124]
1/1 [=====] - 0s 80ms/step
>3013, dr[0.596,1.477], df[0.370,0.157], g[3.301,0.041]
1/1 [=====] - 0s 75ms/step
>3014, dr[0.302,1.073], df[0.248,0.100], g[3.107,0.043]
1/1 [=====] - 0s 76ms/step
>3015, dr[0.475,0.297], df[0.907,0.343], g[2.967,0.118]
1/1 [=====] - 0s 80ms/step
>3016, dr[0.818,0.557], df[1.016,0.169], g[3.150,0.089]
1/1 [=====] - 0s 81ms/step
>3017, dr[0.548,1.623], df[0.439,0.065], g[2.859,0.203]
1/1 [=====] - 0s 83ms/step
>3018, dr[0.476,0.397], df[0.838,0.415], g[3.787,0.066]
1/1 [=====] - 0s 75ms/step
>3019, dr[0.961,0.442], df[0.777,0.521], g[2.967,0.304]
1/1 [=====] - 0s 81ms/step
>3020, dr[0.368,0.313], df[0.283,0.065], g[3.234,0.381]
1/1 [=====] - 0s 135ms/step
>3021, dr[0.694,1.304], df[1.396,0.091], g[3.988,0.124]
1/1 [=====] - 0s 87ms/step
>3022, dr[0.945,0.251], df[0.529,0.197], g[3.385,0.226]
1/1 [=====] - 0s 89ms/step
>3023, dr[0.658,0.895], df[0.825,0.088], g[2.879,0.134]
1/1 [=====] - 0s 94ms/step
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>3024, dr[0.528,0.803], df[0.510,0.237], g[3.756,0.432]
1/1 [=====] - 0s 92ms/step
>3025, dr[0.417,0.607], df[0.442,0.341], g[4.025,0.126]
1/1 [=====] - 0s 86ms/step
>3026, dr[0.929,1.096], df[0.585,0.006], g[2.438,0.078]
1/1 [=====] - 0s 80ms/step
>3027, dr[0.435,1.316], df[1.195,0.113], g[3.628,0.410]
1/1 [=====] - 0s 83ms/step
>3028, dr[0.954,1.292], df[0.632,0.484], g[3.466,0.183]
1/1 [=====] - 0s 81ms/step
>3029, dr[0.892,1.000], df[0.431,0.334], g[3.000,0.320]
1/1 [=====] - 0s 93ms/step
>3030, dr[0.361,0.358], df[0.380,0.198], g[3.271,0.131]
1/1 [=====] - 0s 87ms/step
>3031, dr[0.363,0.575], df[0.852,0.195], g[4.130,0.276]
1/1 [=====] - 0s 89ms/step
>3032, dr[0.816,0.951], df[0.742,0.056], g[4.314,0.197]
1/1 [=====] - 0s 89ms/step
>3033, dr[1.226,0.319], df[0.389,0.030], g[2.274,0.374]
1/1 [=====] - 0s 84ms/step
>3034, dr[0.157,0.943], df[0.714,0.109], g[3.781,0.168]
1/1 [=====] - 0s 84ms/step
>3035, dr[0.770,0.479], df[0.749,0.218], g[3.788,0.089]
1/1 [=====] - 0s 80ms/step
>3036, dr[0.526,1.519], df[0.797,0.172], g[4.486,0.082]
1/1 [=====] - 0s 86ms/step
>3037, dr[0.730,0.479], df[0.412,0.046], g[4.174,0.388]
1/1 [=====] - 0s 79ms/step
>3038, dr[0.640,0.809], df[0.402,0.184], g[3.012,0.368]
1/1 [=====] - 0s 77ms/step
>3039, dr[0.357,0.731], df[0.336,0.028], g[3.218,0.301]
1/1 [=====] - 0s 85ms/step
>3040, dr[0.426,1.097], df[0.995,0.419], g[4.775,0.246]
1/1 [=====] - 0s 78ms/step
>3041, dr[1.453,0.499], df[0.594,0.281], g[2.751,0.319]
1/1 [=====] - 0s 85ms/step
>3042, dr[0.458,0.758], df[0.450,0.268], g[2.665,0.171]
1/1 [=====] - 0s 81ms/step
>3043, dr[0.572,0.862], df[0.954,0.040], g[3.883,0.077]
1/1 [=====] - 0s 84ms/step
>3044, dr[0.968,0.816], df[0.288,0.051], g[2.235,0.335]
1/1 [=====] - 0s 85ms/step
>3045, dr[0.299,0.926], df[0.937,0.189], g[3.669,0.054]
1/1 [=====] - 0s 83ms/step
>3046, dr[0.419,0.777], df[0.447,0.133], g[3.768,0.141]
1/1 [=====] - 0s 81ms/step
>3047, dr[0.804,0.965], df[0.664,0.112], g[3.320,0.016]
1/1 [=====] - 0s 80ms/step
>3048, dr[0.873,0.946], df[1.221,0.182], g[4.342,0.154]
1/1 [=====] - 0s 76ms/step
>3049, dr[0.935,1.112], df[0.423,0.341], g[3.439,0.152]
1/1 [=====] - 0s 85ms/step
>3050, dr[0.437,1.487], df[0.900,0.354], g[3.523,0.418]
1/1 [=====] - 0s 88ms/step
>3051, dr[1.040,0.907], df[0.705,0.322], g[2.780,0.212]
1/1 [=====] - 0s 81ms/step
>3052, dr[0.607,0.949], df[0.388,0.299], g[2.536,0.313]
1/1 [=====] - 0s 86ms/step
>3053, dr[0.386,0.420], df[0.492,0.115], g[2.620,0.040]
1/1 [=====] - 0s 79ms/step
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>3054, dr[0.237,0.867], df[0.390,0.007], g[3.838,0.132]
1/1 [=====] - 0s 79ms/step
>3055, dr[0.904,0.388], df[0.422,0.104], g[2.695,0.330]
1/1 [=====] - 0s 83ms/step
>3056, dr[0.334,0.828], df[0.684,0.163], g[4.079,0.295]
1/1 [=====] - 0s 82ms/step
>3057, dr[0.282,1.280], df[0.158,0.032], g[3.878,0.145]
1/1 [=====] - 0s 87ms/step
>3058, dr[0.560,0.789], df[0.884,0.369], g[3.902,0.161]
1/1 [=====] - 0s 85ms/step
>3059, dr[0.709,0.970], df[0.285,0.064], g[3.075,0.309]
1/1 [=====] - 0s 79ms/step
>3060, dr[0.397,0.467], df[0.618,0.168], g[2.795,0.359]
1/1 [=====] - 0s 84ms/step
>3061, dr[0.574,0.254], df[0.637,0.065], g[3.395,0.245]
1/1 [=====] - 0s 76ms/step
>3062, dr[0.684,2.070], df[0.901,0.494], g[4.117,0.230]
1/1 [=====] - 0s 77ms/step
>3063, dr[0.641,0.430], df[0.244,0.275], g[3.409,0.232]
1/1 [=====] - 0s 75ms/step
>3064, dr[0.500,0.531], df[0.533,0.171], g[3.005,0.349]
1/1 [=====] - 0s 80ms/step
>3065, dr[0.465,0.825], df[0.517,0.222], g[2.530,0.186]
1/1 [=====] - 0s 77ms/step
>3066, dr[0.804,0.486], df[1.395,0.236], g[3.898,0.042]
1/1 [=====] - 0s 74ms/step
>3067, dr[0.578,0.988], df[0.252,0.149], g[2.918,0.140]
1/1 [=====] - 0s 78ms/step
>3068, dr[0.786,0.904], df[1.147,0.033], g[2.943,0.406]
1/1 [=====] - 0s 77ms/step
>3069, dr[0.254,1.522], df[0.134,0.444], g[4.117,0.296]
1/1 [=====] - 0s 75ms/step
>3070, dr[0.637,1.414], df[0.535,0.011], g[2.227,0.431]
1/1 [=====] - 0s 79ms/step
>3071, dr[0.241,1.118], df[0.640,0.100], g[4.627,0.162]
1/1 [=====] - 0s 77ms/step
>3072, dr[0.767,1.356], df[0.138,0.158], g[2.933,0.168]
1/1 [=====] - 0s 78ms/step
>3073, dr[0.802,1.005], df[0.855,0.057], g[2.022,0.192]
1/1 [=====] - 0s 78ms/step
>3074, dr[0.171,1.138], df[0.640,0.070], g[4.329,0.403]
1/1 [=====] - 0s 73ms/step
>3075, dr[1.066,1.203], df[0.305,0.122], g[2.130,0.194]
1/1 [=====] - 0s 73ms/step
>3076, dr[0.378,1.284], df[0.947,0.538], g[4.256,0.254]
1/1 [=====] - 0s 73ms/step
>3077, dr[1.046,0.757], df[0.336,0.286], g[2.724,0.381]
1/1 [=====] - 0s 84ms/step
>3078, dr[0.540,1.945], df[0.641,0.175], g[2.945,0.502]
1/1 [=====] - 0s 84ms/step
>3079, dr[0.331,0.925], df[0.652,0.227], g[3.091,0.026]
1/1 [=====] - 0s 88ms/step
>3080, dr[0.502,0.552], df[0.669,0.155], g[3.021,0.338]
1/1 [=====] - 0s 90ms/step
>3081, dr[0.757,1.485], df[0.449,0.150], g[2.350,0.220]
1/1 [=====] - 0s 94ms/step
>3082, dr[0.230,0.492], df[0.534,0.231], g[3.063,0.331]
1/1 [=====] - 0s 94ms/step
>3083, dr[0.736,1.216], df[0.844,0.013], g[2.586,0.045]
1/1 [=====] - 0s 89ms/step
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>3084, dr[0.768,1.858], df[0.665,0.012], g[2.940,0.130]
1/1 [=====] - 0s 85ms/step
>3085, dr[0.492,0.925], df[0.480,0.292], g[3.808,0.322]
1/1 [=====] - 0s 89ms/step
>3086, dr[0.600,0.556], df[0.605,0.281], g[3.747,0.409]
1/1 [=====] - 0s 95ms/step
>3087, dr[0.816,0.411], df[0.448,0.198], g[2.749,0.463]
1/1 [=====] - 0s 90ms/step
>3088, dr[0.456,1.127], df[0.991,0.091], g[3.485,0.234]
1/1 [=====] - 0s 82ms/step
>3089, dr[1.125,0.506], df[0.878,0.528], g[3.509,0.225]
1/1 [=====] - 0s 88ms/step
>3090, dr[0.443,1.233], df[0.310,0.133], g[3.013,0.186]
1/1 [=====] - 0s 85ms/step
>3091, dr[0.443,0.610], df[0.431,0.112], g[2.657,0.273]
1/1 [=====] - 0s 87ms/step
>3092, dr[0.377,0.481], df[0.433,0.214], g[3.441,0.031]
1/1 [=====] - 0s 78ms/step
>3093, dr[0.570,0.866], df[0.551,0.059], g[3.112,0.379]
1/1 [=====] - 0s 77ms/step
>3094, dr[0.302,0.945], df[0.460,0.256], g[3.079,0.387]
1/1 [=====] - 0s 82ms/step
>3095, dr[1.014,1.061], df[0.661,0.430], g[1.957,0.180]
1/1 [=====] - 0s 80ms/step
>3096, dr[0.439,0.708], df[1.028,0.040], g[3.251,0.183]
1/1 [=====] - 0s 72ms/step
>3097, dr[0.334,1.949], df[0.249,0.316], g[3.509,0.282]
1/1 [=====] - 0s 77ms/step
>3098, dr[0.585,1.058], df[0.224,0.234], g[2.261,0.476]
1/1 [=====] - 0s 82ms/step
>3099, dr[0.311,0.644], df[0.601,0.058], g[2.482,0.386]
1/1 [=====] - 0s 77ms/step
>3100, dr[0.173,1.405], df[0.297,0.308], g[3.717,0.144]
1/1 [=====] - 0s 80ms/step
>3101, dr[0.697,0.416], df[0.627,0.057], g[2.859,0.209]
1/1 [=====] - 0s 88ms/step
>3102, dr[0.385,1.007], df[0.876,0.133], g[4.872,0.069]
1/1 [=====] - 0s 86ms/step
>3103, dr[1.263,0.316], df[0.385,0.531], g[2.598,0.164]
1/1 [=====] - 0s 82ms/step
>3104, dr[0.465,0.411], df[0.429,0.183], g[2.332,0.093]
1/1 [=====] - 0s 94ms/step
>3105, dr[0.240,0.353], df[0.560,0.041], g[3.676,0.271]
1/1 [=====] - 0s 85ms/step
>3106, dr[0.444,0.465], df[0.449,0.243], g[4.219,0.201]
1/1 [=====] - 0s 77ms/step
>3107, dr[0.722,0.637], df[0.502,0.367], g[2.832,0.371]
1/1 [=====] - 0s 82ms/step
>3108, dr[0.324,1.407], df[0.959,0.555], g[3.970,0.225]
1/1 [=====] - 0s 87ms/step
>3109, dr[1.084,0.312], df[0.700,0.286], g[3.088,0.164]
1/1 [=====] - 0s 89ms/step
>3110, dr[0.445,1.044], df[0.783,0.089], g[3.747,0.313]
1/1 [=====] - 0s 81ms/step
>3111, dr[1.093,0.202], df[0.731,0.299], g[2.677,0.290]
1/1 [=====] - 0s 78ms/step
>3112, dr[0.572,0.835], df[1.355,0.471], g[4.330,0.298]
1/1 [=====] - 0s 83ms/step
>3113, dr[1.129,0.763], df[0.377,0.104], g[3.164,0.265]
1/1 [=====] - 0s 80ms/step
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>3114, dr[0.654,1.672], df[0.661,0.309], g[2.625,0.203]
1/1 [=====] - 0s 260ms/step
>3115, dr[0.211,1.168], df[0.537,0.109], g[3.468,0.119]
1/1 [=====] - 0s 73ms/step
>3116, dr[1.128,0.615], df[0.355,0.118], g[2.189,0.223]
1/1 [=====] - 0s 104ms/step
>3117, dr[0.416,1.090], df[1.155,0.136], g[4.054,0.100]
1/1 [=====] - 0s 94ms/step
>3118, dr[0.793,0.890], df[0.208,0.110], g[2.865,0.566]
1/1 [=====] - 0s 264ms/step
>3119, dr[0.517,0.653], df[0.353,0.068], g[2.408,0.168]
1/1 [=====] - 0s 233ms/step
>3120, dr[0.254,0.101], df[0.802,0.278], g[2.920,0.034]
1/1 [=====] - 0s 85ms/step
>3121, dr[0.583,0.461], df[0.287,0.253], g[2.960,0.155]
1/1 [=====] - 0s 92ms/step
>3122, dr[0.715,0.379], df[1.183,0.268], g[2.594,0.432]
1/1 [=====] - 0s 174ms/step
>3123, dr[0.888,0.305], df[0.781,0.087], g[3.527,0.271]
1/1 [=====] - 0s 110ms/step
>3124, dr[0.489,0.440], df[0.413,0.082], g[3.969,0.154]
1/1 [=====] - 0s 115ms/step
>3125, dr[0.998,0.368], df[0.503,0.116], g[2.995,0.359]
1/1 [=====] - 1s 702ms/step
>3126, dr[0.289,1.807], df[0.295,0.210], g[2.488,0.410]
1/1 [=====] - 0s 202ms/step
>3127, dr[0.278,0.979], df[0.804,0.151], g[3.448,0.174]
1/1 [=====] - 0s 172ms/step
>3128, dr[0.445,0.330], df[0.112,0.307], g[2.689,0.289]
1/1 [=====] - 0s 107ms/step
>3129, dr[0.360,0.609], df[0.706,0.067], g[3.521,0.125]
1/1 [=====] - 0s 106ms/step
>3130, dr[0.332,0.369], df[0.369,0.409], g[4.302,0.175]
1/1 [=====] - 0s 96ms/step
>3131, dr[0.865,0.031], df[0.518,0.206], g[3.171,0.251]
1/1 [=====] - 0s 92ms/step
>3132, dr[0.443,0.488], df[0.944,0.196], g[3.111,0.194]
1/1 [=====] - 0s 106ms/step
>3133, dr[0.750,2.138], df[0.353,0.554], g[2.732,0.403]
1/1 [=====] - 0s 99ms/step
>3134, dr[0.648,0.211], df[0.737,0.035], g[2.835,0.246]
1/1 [=====] - 0s 99ms/step
>3135, dr[0.593,0.816], df[1.324,0.260], g[3.400,0.187]
1/1 [=====] - 0s 112ms/step
>3136, dr[0.417,1.692], df[0.160,0.317], g[3.894,0.226]
1/1 [=====] - 0s 109ms/step
>3137, dr[0.836,0.800], df[0.524,0.158], g[2.609,0.390]
1/1 [=====] - 0s 92ms/step
>3138, dr[0.319,0.478], df[0.461,0.154], g[3.749,0.322]
1/1 [=====] - 0s 103ms/step
>3139, dr[0.270,1.172], df[0.454,0.238], g[3.849,0.459]
1/1 [=====] - 0s 124ms/step
>3140, dr[0.927,0.833], df[0.921,0.104], g[3.306,0.456]
1/1 [=====] - 0s 143ms/step
>3141, dr[0.566,0.462], df[0.361,0.484], g[3.005,0.127]
1/1 [=====] - 0s 89ms/step
>3142, dr[0.306,0.204], df[0.635,0.344], g[3.310,0.160]
1/1 [=====] - 0s 92ms/step
>3143, dr[0.391,0.472], df[0.444,0.247], g[4.351,0.085]
1/1 [=====] - 0s 99ms/step
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>3144, dr[0.572,0.542], df[0.493,0.087], g[3.080,0.285]
1/1 [=====] - 0s 395ms/step
>3145, dr[0.443,2.001], df[0.567,0.108], g[3.367,0.044]
1/1 [=====] - 0s 98ms/step
>3146, dr[0.363,1.290], df[0.375,0.026], g[2.869,0.203]
1/1 [=====] - 0s 89ms/step
>3147, dr[0.609,0.467], df[0.626,0.265], g[2.080,0.162]
1/1 [=====] - 0s 93ms/step
>3148, dr[0.208,0.421], df[0.459,0.218], g[4.038,0.167]
1/1 [=====] - 0s 89ms/step
>3149, dr[0.710,1.090], df[0.379,0.354], g[3.446,0.029]
1/1 [=====] - 0s 101ms/step
>3150, dr[0.567,0.400], df[0.881,0.109], g[3.841,0.248]
1/1 [=====] - 0s 103ms/step
>3151, dr[0.622,0.672], df[0.479,0.159], g[3.451,0.195]
1/1 [=====] - 0s 96ms/step
>3152, dr[0.418,0.365], df[0.240,0.074], g[2.767,0.116]
1/1 [=====] - 0s 96ms/step
>3153, dr[0.227,0.863], df[0.596,0.461], g[3.794,0.033]
1/1 [=====] - 0s 92ms/step
>3154, dr[0.466,0.738], df[0.226,0.083], g[3.030,0.163]
1/1 [=====] - 0s 97ms/step
>3155, dr[0.386,0.750], df[0.341,0.640], g[2.700,0.040]
1/1 [=====] - 0s 87ms/step
>3156, dr[0.146,0.696], df[0.489,0.279], g[3.717,0.190]
1/1 [=====] - 0s 91ms/step
>3157, dr[1.068,0.319], df[0.527,0.328], g[3.079,0.390]
1/1 [=====] - 0s 79ms/step
>3158, dr[0.780,1.334], df[1.421,0.328], g[3.137,0.015]
1/1 [=====] - 0s 85ms/step
>3159, dr[0.711,0.266], df[0.216,0.150], g[3.410,0.266]
1/1 [=====] - 0s 87ms/step
>3160, dr[0.289,0.282], df[0.605,0.126], g[3.251,0.355]
1/1 [=====] - 0s 92ms/step
>3161, dr[0.865,0.829], df[1.011,0.418], g[3.671,0.344]
1/1 [=====] - 0s 88ms/step
>3162, dr[0.901,0.609], df[0.521,0.461], g[2.880,0.610]
1/1 [=====] - 0s 97ms/step
>3163, dr[0.372,1.412], df[0.728,0.179], g[3.405,0.299]
1/1 [=====] - 0s 88ms/step
>3164, dr[0.786,1.062], df[0.337,0.087], g[2.192,0.176]
1/1 [=====] - 0s 93ms/step
>3165, dr[0.268,0.746], df[0.686,0.149], g[3.574,0.216]
1/1 [=====] - 0s 89ms/step
>3166, dr[0.408,1.375], df[0.184,0.188], g[4.104,0.065]
1/1 [=====] - 0s 86ms/step
>3167, dr[0.840,1.359], df[0.765,0.345], g[3.439,0.047]
1/1 [=====] - 0s 87ms/step
>3168, dr[0.378,0.459], df[0.592,0.433], g[4.226,0.197]
1/1 [=====] - 0s 83ms/step
>3169, dr[1.014,0.226], df[0.607,0.194], g[2.833,0.449]
1/1 [=====] - 0s 92ms/step
>3170, dr[0.533,1.135], df[0.555,0.259], g[2.967,0.151]
1/1 [=====] - 0s 81ms/step
>3171, dr[0.539,1.492], df[0.726,0.216], g[3.189,0.329]
1/1 [=====] - 0s 83ms/step
>3172, dr[0.321,1.111], df[0.325,0.251], g[2.890,0.022]
1/1 [=====] - 0s 79ms/step
>3173, dr[0.900,0.881], df[0.395,0.181], g[2.568,0.368]
1/1 [=====] - 0s 87ms/step
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>3174, dr[0.223,0.030], df[0.477,0.127], g[3.121,0.150]
1/1 [=====] - 0s 85ms/step
>3175, dr[0.622,0.502], df[0.341,0.062], g[3.046,0.254]
1/1 [=====] - 0s 85ms/step
>3176, dr[0.283,0.730], df[0.428,0.201], g[3.786,0.112]
1/1 [=====] - 0s 84ms/step
>3177, dr[0.939,0.838], df[0.506,0.017], g[2.564,0.296]
1/1 [=====] - 0s 83ms/step
>3178, dr[0.332,0.474], df[0.545,0.400], g[3.320,0.290]
1/1 [=====] - 0s 85ms/step
>3179, dr[0.837,0.441], df[0.764,0.022], g[2.481,0.251]
1/1 [=====] - 0s 81ms/step
>3180, dr[0.352,0.650], df[0.348,0.158], g[3.014,0.067]
1/1 [=====] - 0s 84ms/step
>3181, dr[0.439,0.517], df[0.731,0.392], g[3.790,0.142]
1/1 [=====] - 0s 89ms/step
>3182, dr[0.660,0.725], df[0.317,0.085], g[2.743,0.156]
1/1 [=====] - 0s 85ms/step
>3183, dr[0.419,0.768], df[0.390,0.062], g[2.964,0.131]
1/1 [=====] - 0s 83ms/step
>3184, dr[0.311,0.423], df[0.246,0.497], g[2.242,0.128]
1/1 [=====] - 0s 84ms/step
>3185, dr[0.539,0.978], df[0.932,0.294], g[3.043,0.368]
1/1 [=====] - 0s 92ms/step
>3186, dr[0.549,0.373], df[0.332,0.425], g[3.931,0.868]
1/1 [=====] - 0s 83ms/step
>3187, dr[1.313,0.409], df[1.020,0.230], g[1.718,0.152]
1/1 [=====] - 0s 122ms/step
>3188, dr[0.224,0.961], df[0.412,0.413], g[2.911,0.115]
1/1 [=====] - 0s 92ms/step
>3189, dr[0.886,0.894], df[0.707,0.055], g[2.303,0.155]
1/1 [=====] - 0s 94ms/step
>3190, dr[0.352,0.178], df[0.739,0.474], g[4.029,0.216]
1/1 [=====] - 0s 91ms/step
>3191, dr[0.741,0.483], df[0.315,0.580], g[3.307,0.122]
1/1 [=====] - 0s 92ms/step
>3192, dr[0.571,1.074], df[1.161,0.289], g[3.307,0.386]
1/1 [=====] - 0s 88ms/step
>3193, dr[1.246,0.984], df[0.382,0.426], g[2.252,0.347]
1/1 [=====] - 0s 93ms/step
>3194, dr[0.335,0.578], df[0.435,0.382], g[2.384,0.299]
1/1 [=====] - 0s 100ms/step
>3195, dr[0.422,0.941], df[0.992,0.387], g[3.662,0.312]
1/1 [=====] - 0s 95ms/step
>3196, dr[0.610,0.559], df[0.419,0.380], g[2.547,0.209]
1/1 [=====] - 0s 99ms/step
>3197, dr[0.750,0.397], df[0.833,0.058], g[3.058,0.117]
1/1 [=====] - 0s 101ms/step
>3198, dr[0.780,0.497], df[0.595,0.036], g[2.498,0.338]
1/1 [=====] - 0s 90ms/step
>3199, dr[0.382,0.703], df[0.748,0.396], g[3.834,0.240]
1/1 [=====] - 0s 89ms/step
>3200, dr[1.019,1.302], df[0.493,0.128], g[2.422,0.488]
1/1 [=====] - 0s 86ms/step
>3201, dr[0.394,1.620], df[1.009,0.232], g[3.532,0.222]
1/1 [=====] - 0s 83ms/step
>3202, dr[0.390,1.141], df[0.255,0.190], g[3.140,0.304]
1/1 [=====] - 0s 84ms/step
>3203, dr[0.862,0.401], df[0.823,0.048], g[2.574,0.262]
1/1 [=====] - 0s 85ms/step
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>3204, dr[0.307,1.354], df[0.434,0.265], g[3.502,0.303]
1/1 [=====] - 0s 86ms/step
>3205, dr[0.654,1.347], df[0.413,0.463], g[2.390,0.322]
1/1 [=====] - 0s 88ms/step
>3206, dr[0.236,0.418], df[0.224,0.360], g[3.001,0.204]
1/1 [=====] - 0s 83ms/step
>3207, dr[0.407,1.573], df[0.966,0.213], g[3.685,0.352]
1/1 [=====] - 0s 76ms/step
>3208, dr[0.522,0.314], df[0.263,0.467], g[4.129,0.185]
1/1 [=====] - 0s 79ms/step
>3209, dr[0.899,1.043], df[0.762,0.154], g[2.790,0.233]
1/1 [=====] - 0s 84ms/step
>3210, dr[0.373,0.340], df[0.458,0.124], g[2.986,0.208]
1/1 [=====] - 0s 89ms/step
>3211, dr[0.670,0.659], df[0.757,0.289], g[2.959,0.430]
1/1 [=====] - 0s 88ms/step
>3212, dr[0.472,0.801], df[0.530,0.258], g[2.850,0.077]
1/1 [=====] - 0s 80ms/step
>3213, dr[0.409,1.272], df[0.341,0.261], g[3.200,0.107]
1/1 [=====] - 0s 84ms/step
>3214, dr[0.605,1.109], df[0.852,0.062], g[2.746,0.080]
1/1 [=====] - 0s 87ms/step
>3215, dr[0.646,1.053], df[0.641,0.157], g[3.090,0.034]
1/1 [=====] - 0s 82ms/step
>3216, dr[0.519,0.719], df[0.472,0.244], g[2.585,0.295]
1/1 [=====] - 0s 83ms/step
>3217, dr[0.761,0.827], df[0.718,0.049], g[3.020,0.301]
1/1 [=====] - 0s 86ms/step
>3218, dr[0.424,1.183], df[0.803,0.078], g[3.381,0.250]
1/1 [=====] - 0s 84ms/step
>3219, dr[1.226,1.895], df[0.630,0.220], g[1.820,0.208]
1/1 [=====] - 0s 89ms/step
>3220, dr[0.213,1.397], df[1.024,0.163], g[3.307,0.305]
1/1 [=====] - 0s 118ms/step
>3221, dr[0.747,1.208], df[0.243,0.202], g[2.676,0.067]
1/1 [=====] - 0s 86ms/step
>3222, dr[0.196,0.517], df[0.882,0.105], g[4.278,0.205]
1/1 [=====] - 0s 83ms/step
>3223, dr[1.436,0.861], df[0.436,0.043], g[1.948,0.072]
1/1 [=====] - 0s 81ms/step
>3224, dr[0.343,0.220], df[0.690,0.311], g[2.595,0.229]
1/1 [=====] - 0s 93ms/step
>3225, dr[0.459,0.425], df[0.399,0.045], g[2.313,0.292]
1/1 [=====] - 0s 81ms/step
>3226, dr[0.602,0.743], df[1.075,0.053], g[4.353,0.099]
1/1 [=====] - 0s 88ms/step
>3227, dr[1.197,1.214], df[0.483,0.560], g[3.628,0.345]
1/1 [=====] - 0s 88ms/step
>3228, dr[0.598,0.557], df[0.558,0.104], g[3.203,0.206]
1/1 [=====] - 0s 96ms/step
>3229, dr[0.498,0.164], df[0.553,0.020], g[3.017,0.236]
1/1 [=====] - 0s 79ms/step
>3230, dr[0.949,0.668], df[0.644,0.266], g[2.916,0.264]
1/1 [=====] - 0s 78ms/step
>3231, dr[0.425,0.834], df[0.653,0.103], g[3.352,0.247]
1/1 [=====] - 0s 78ms/step
>3232, dr[0.671,0.762], df[0.218,0.012], g[2.280,0.246]
1/1 [=====] - 0s 84ms/step
>3233, dr[0.346,1.418], df[1.295,0.094], g[2.937,0.176]
1/1 [=====] - 0s 83ms/step
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>3234, dr[0.649,0.743], df[0.477,0.198], g[3.951,0.193]
1/1 [=====] - 0s 82ms/step
>3235, dr[0.924,1.303], df[0.508,0.148], g[2.234,0.093]
1/1 [=====] - 0s 90ms/step
>3236, dr[0.295,0.848], df[0.951,0.139], g[3.993,0.235]
1/1 [=====] - 0s 91ms/step
>3237, dr[0.846,0.865], df[0.301,0.041], g[2.935,0.135]
1/1 [=====] - 0s 88ms/step
>3238, dr[0.491,0.684], df[0.503,0.054], g[2.767,0.057]
1/1 [=====] - 0s 89ms/step
>3239, dr[0.636,0.436], df[0.335,0.171], g[2.369,0.226]
1/1 [=====] - 0s 86ms/step
>3240, dr[0.393,1.990], df[1.096,0.230], g[3.728,0.074]
1/1 [=====] - 0s 91ms/step
>3241, dr[0.821,0.757], df[0.883,0.359], g[3.976,0.081]
1/1 [=====] - 0s 81ms/step
>3242, dr[0.608,1.688], df[0.583,0.244], g[4.081,0.284]
1/1 [=====] - 0s 88ms/step
>3243, dr[0.932,0.818], df[0.577,0.162], g[2.482,0.344]
1/1 [=====] - 0s 89ms/step
>3244, dr[0.269,0.631], df[0.507,0.180], g[3.196,0.243]
1/1 [=====] - 0s 92ms/step
>3245, dr[0.656,0.856], df[0.723,0.170], g[3.730,0.155]
1/1 [=====] - 0s 81ms/step
>3246, dr[1.025,1.120], df[0.648,0.161], g[3.007,0.120]
1/1 [=====] - 0s 93ms/step
>3247, dr[0.606,1.656], df[0.606,0.311], g[3.022,0.058]
1/1 [=====] - 0s 94ms/step
>3248, dr[0.546,0.356], df[0.684,0.184], g[3.017,0.321]
1/1 [=====] - 0s 87ms/step
>3249, dr[0.908,1.076], df[1.069,0.147], g[3.222,0.161]
1/1 [=====] - 0s 110ms/step
>3250, dr[0.574,1.140], df[0.346,0.149], g[2.941,0.396]
1/1 [=====] - 0s 77ms/step
>3251, dr[0.282,1.158], df[0.611,0.444], g[3.269,0.360]
1/1 [=====] - 0s 80ms/step
>3252, dr[0.580,0.465], df[0.358,0.374], g[2.432,0.121]
1/1 [=====] - 0s 81ms/step
>3253, dr[0.746,0.480], df[1.219,0.066], g[3.123,0.288]
1/1 [=====] - 0s 78ms/step
>3254, dr[0.504,0.678], df[0.409,0.166], g[3.782,0.246]
1/1 [=====] - 0s 143ms/step
>3255, dr[1.252,0.684], df[0.987,0.136], g[2.979,0.312]
1/1 [=====] - 0s 95ms/step
>3256, dr[0.362,1.527], df[0.666,0.168], g[3.256,0.145]
1/1 [=====] - 0s 110ms/step
>3257, dr[1.162,1.875], df[0.593,0.155], g[1.834,0.315]
1/1 [=====] - 0s 93ms/step
>3258, dr[0.323,1.682], df[0.454,0.041], g[2.444,0.332]
1/1 [=====] - 0s 85ms/step
>3259, dr[0.484,1.463], df[0.927,0.244], g[3.689,0.157]
1/1 [=====] - 0s 84ms/step
>3260, dr[1.125,0.565], df[0.704,0.148], g[2.315,0.252]
1/1 [=====] - 0s 83ms/step
>3261, dr[0.520,0.651], df[0.310,0.097], g[2.238,0.209]
1/1 [=====] - 0s 82ms/step
>3262, dr[0.497,0.804], df[0.578,0.188], g[3.216,0.298]
1/1 [=====] - 0s 91ms/step
>3263, dr[0.655,0.602], df[0.642,0.025], g[3.199,0.178]
1/1 [=====] - 0s 83ms/step
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>3264, dr[0.659,1.282], df[0.441,0.367], g[2.745,0.148]
1/1 [=====] - 0s 86ms/step
>3265, dr[0.537,1.164], df[0.558,0.158], g[2.539,0.186]
1/1 [=====] - 0s 75ms/step
>3266, dr[0.639,1.799], df[0.672,0.065], g[2.818,0.221]
1/1 [=====] - 0s 83ms/step
>3267, dr[0.454,1.268], df[0.461,0.263], g[2.902,0.098]
1/1 [=====] - 0s 103ms/step
>3268, dr[0.492,1.681], df[0.370,0.092], g[3.043,0.280]
1/1 [=====] - 0s 147ms/step
>3269, dr[0.379,1.472], df[0.457,0.224], g[2.414,0.202]
1/1 [=====] - 0s 171ms/step
>3270, dr[0.232,0.581], df[0.423,0.053], g[4.423,0.126]
1/1 [=====] - 0s 382ms/step
>3271, dr[0.851,0.653], df[0.243,0.285], g[2.448,0.169]
1/1 [=====] - 0s 150ms/step
>3272, dr[0.603,2.285], df[1.920,0.237], g[2.791,0.298]
1/1 [=====] - 0s 173ms/step
>3273, dr[0.385,1.165], df[0.158,0.035], g[3.341,0.202]
1/1 [=====] - 0s 97ms/step
>3274, dr[0.671,0.598], df[0.687,0.670], g[2.972,0.156]
1/1 [=====] - 0s 94ms/step
>3275, dr[0.737,0.858], df[0.812,0.110], g[3.644,0.178]
1/1 [=====] - 0s 94ms/step
>3276, dr[0.677,1.330], df[0.561,0.108], g[2.903,0.467]
1/1 [=====] - 0s 97ms/step
>3277, dr[0.630,0.720], df[0.465,0.059], g[2.827,0.290]
1/1 [=====] - 0s 83ms/step
>3278, dr[0.603,1.974], df[0.658,0.100], g[3.244,0.232]
1/1 [=====] - 0s 128ms/step
>3279, dr[0.658,0.412], df[0.497,0.174], g[2.911,0.117]
1/1 [=====] - 0s 130ms/step
>3280, dr[0.663,1.370], df[0.828,0.090], g[3.520,0.230]
1/1 [=====] - 0s 105ms/step
>3281, dr[0.770,0.591], df[0.340,0.044], g[1.937,0.171]
1/1 [=====] - 0s 118ms/step
>3282, dr[0.168,0.754], df[0.615,0.146], g[3.178,0.077]
1/1 [=====] - 0s 100ms/step
>3283, dr[0.529,0.281], df[0.567,0.491], g[3.692,0.032]
1/1 [=====] - 0s 98ms/step
>3284, dr[0.578,0.623], df[0.472,0.230], g[2.904,0.107]
1/1 [=====] - 0s 128ms/step
>3285, dr[0.329,0.486], df[0.514,0.140], g[3.498,0.114]
1/1 [=====] - 0s 104ms/step
>3286, dr[1.115,1.378], df[1.070,0.608], g[2.640,0.060]
1/1 [=====] - 0s 139ms/step
>3287, dr[0.508,0.618], df[0.307,0.273], g[3.268,0.024]
1/1 [=====] - 0s 106ms/step
>3288, dr[0.930,1.153], df[0.873,0.198], g[2.696,0.278]
1/1 [=====] - 0s 101ms/step
>3289, dr[0.344,0.180], df[0.447,0.095], g[3.313,0.143]
1/1 [=====] - 0s 114ms/step
>3290, dr[0.572,0.114], df[0.569,0.155], g[3.214,0.282]
1/1 [=====] - 0s 110ms/step
>3291, dr[0.730,0.276], df[0.853,0.209], g[2.560,0.082]
1/1 [=====] - 0s 103ms/step
>3292, dr[0.625,0.214], df[0.538,0.176], g[3.078,0.095]
1/1 [=====] - 0s 90ms/step
>3293, dr[0.595,1.307], df[0.542,0.016], g[2.426,0.252]
1/1 [=====] - 0s 133ms/step
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>3294, dr[0.609,0.873], df[0.606,0.720], g[2.260,0.083]
1/1 [=====] - 0s 168ms/step
>3295, dr[0.493,0.819], df[0.870,0.316], g[3.247,0.105]
1/1 [=====] - 0s 181ms/step
>3296, dr[0.670,0.288], df[0.466,0.441], g[2.816,0.360]
1/1 [=====] - 0s 95ms/step
>3297, dr[1.389,1.686], df[1.213,0.151], g[2.767,0.186]
1/1 [=====] - 0s 98ms/step
>3298, dr[0.480,1.500], df[0.856,0.191], g[3.847,0.077]
1/1 [=====] - 0s 99ms/step
>3299, dr[1.179,0.723], df[0.727,0.101], g[2.544,0.493]
1/1 [=====] - 0s 123ms/step
>3300, dr[0.308,0.758], df[0.353,0.238], g[2.520,0.093]
1/1 [=====] - 0s 112ms/step
>3301, dr[0.579,0.648], df[0.772,0.516], g[2.435,0.406]
1/1 [=====] - 0s 95ms/step
>3302, dr[0.812,0.642], df[0.780,0.245], g[3.001,0.203]
1/1 [=====] - 0s 103ms/step
>3303, dr[0.553,0.955], df[0.581,0.316], g[2.597,0.148]
1/1 [=====] - 0s 110ms/step
>3304, dr[0.297,0.811], df[0.328,0.098], g[3.032,0.322]
1/1 [=====] - 0s 97ms/step
>3305, dr[0.312,0.251], df[0.539,0.188], g[3.874,0.195]
1/1 [=====] - 0s 103ms/step
>3306, dr[1.164,1.143], df[0.657,0.293], g[2.621,0.570]
1/1 [=====] - 0s 93ms/step
>3307, dr[0.859,0.758], df[1.384,0.226], g[4.208,0.110]
1/1 [=====] - 0s 94ms/step
>3308, dr[0.878,1.592], df[0.510,0.474], g[2.638,0.341]
1/1 [=====] - 0s 102ms/step
>3309, dr[0.773,1.182], df[0.782,0.156], g[2.832,0.113]
1/1 [=====] - 0s 92ms/step
>3310, dr[0.377,2.221], df[0.864,0.446], g[4.160,0.343]
1/1 [=====] - 0s 131ms/step
>3311, dr[1.373,0.571], df[0.386,0.344], g[2.224,0.274]
1/1 [=====] - 0s 206ms/step
>3312, dr[0.423,0.226], df[0.814,0.246], g[3.007,0.330]
1/1 [=====] - 0s 140ms/step
>3313, dr[0.719,1.035], df[0.690,0.284], g[3.705,0.266]
1/1 [=====] - 0s 200ms/step
>3314, dr[0.956,1.003], df[0.519,0.203], g[2.330,0.103]
1/1 [=====] - 0s 107ms/step
>3315, dr[0.682,0.649], df[1.110,0.116], g[2.741,0.541]
1/1 [=====] - 0s 119ms/step
>3316, dr[0.678,0.704], df[0.693,0.186], g[3.508,0.237]
1/1 [=====] - 0s 109ms/step
>3317, dr[0.864,1.209], df[0.542,0.067], g[2.700,0.223]
1/1 [=====] - 0s 107ms/step
>3318, dr[0.799,0.870], df[0.979,0.213], g[2.859,0.128]
1/1 [=====] - 0s 101ms/step
>3319, dr[0.632,1.392], df[0.379,0.379], g[3.437,0.102]
1/1 [=====] - 0s 141ms/step
>3320, dr[0.839,0.382], df[0.715,0.186], g[2.992,0.297]
1/1 [=====] - 0s 109ms/step
>3321, dr[0.265,0.770], df[0.716,0.053], g[3.648,0.090]
1/1 [=====] - 0s 128ms/step
>3322, dr[0.978,0.910], df[0.454,0.227], g[3.124,0.271]
1/1 [=====] - 0s 165ms/step
>3323, dr[0.449,1.045], df[0.335,0.043], g[2.886,0.170]
1/1 [=====] - 0s 127ms/step
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>3324, dr[0.522,0.711], df[1.083,0.109], g[2.931,0.301]
1/1 [=====] - 0s 185ms/step
>3325, dr[0.577,0.236], df[0.291,0.160], g[3.761,0.086]
1/1 [=====] - 0s 118ms/step
>3326, dr[0.373,0.363], df[0.317,0.153], g[2.795,0.062]
1/1 [=====] - 0s 91ms/step
>3327, dr[0.564,0.466], df[0.535,0.024], g[2.553,0.171]
1/1 [=====] - 0s 89ms/step
>3328, dr[0.566,0.711], df[0.881,0.235], g[3.176,0.060]
1/1 [=====] - 0s 189ms/step
>3329, dr[0.589,0.611], df[0.292,0.114], g[2.880,0.218]
1/1 [=====] - 0s 106ms/step
>3330, dr[0.407,0.836], df[0.959,0.076], g[2.917,0.109]
1/1 [=====] - 0s 82ms/step
>3331, dr[0.765,0.938], df[0.695,0.425], g[2.642,0.406]
1/1 [=====] - 0s 92ms/step
>3332, dr[0.726,1.247], df[0.804,0.456], g[3.259,0.115]
1/1 [=====] - 0s 96ms/step
>3333, dr[0.653,0.890], df[0.295,0.166], g[3.009,0.374]
1/1 [=====] - 0s 93ms/step
>3334, dr[0.503,0.502], df[0.605,0.148], g[3.098,0.163]
1/1 [=====] - 0s 109ms/step
>3335, dr[0.531,0.859], df[0.319,0.179], g[2.812,0.243]
1/1 [=====] - 0s 93ms/step
>3336, dr[0.746,0.769], df[0.877,0.117], g[2.395,0.240]
1/1 [=====] - 0s 96ms/step
>3337, dr[0.806,0.712], df[0.641,0.473], g[2.672,0.296]
1/1 [=====] - 0s 96ms/step
>3338, dr[0.666,2.151], df[0.752,0.029], g[2.918,0.241]
1/1 [=====] - 0s 97ms/step
>3339, dr[0.855,0.713], df[0.638,0.075], g[3.360,0.071]
1/1 [=====] - 0s 90ms/step
>3340, dr[1.147,1.196], df[1.093,0.036], g[2.920,0.066]
1/1 [=====] - 0s 121ms/step
>3341, dr[0.528,0.358], df[0.577,0.176], g[3.348,0.038]
1/1 [=====] - 0s 90ms/step
>3342, dr[0.722,0.932], df[0.744,0.326], g[3.404,0.227]
1/1 [=====] - 0s 139ms/step
>3343, dr[0.856,0.995], df[0.659,0.482], g[2.483,0.445]
1/1 [=====] - 0s 91ms/step
>3344, dr[0.640,0.767], df[0.636,0.024], g[2.954,0.408]
1/1 [=====] - 0s 152ms/step
>3345, dr[0.817,1.005], df[0.770,0.469], g[2.465,0.339]
1/1 [=====] - 0s 98ms/step
>3346, dr[0.212,0.130], df[0.465,0.039], g[4.217,0.244]
1/1 [=====] - 0s 132ms/step
>3347, dr[1.428,1.484], df[0.605,0.098], g[2.715,0.341]
1/1 [=====] - 0s 100ms/step
>3348, dr[0.476,0.552], df[0.907,0.200], g[2.706,0.175]
1/1 [=====] - 0s 102ms/step
>3349, dr[0.264,0.463], df[0.245,0.288], g[4.121,0.093]
1/1 [=====] - 0s 104ms/step
>3350, dr[0.732,1.131], df[0.792,0.104], g[3.337,0.432]
1/1 [=====] - 0s 91ms/step
>3351, dr[0.918,0.449], df[0.883,0.278], g[3.048,0.625]
1/1 [=====] - 0s 101ms/step
>3352, dr[0.898,1.202], df[0.734,0.309], g[2.407,0.096]
1/1 [=====] - 0s 105ms/step
>3353, dr[0.476,0.454], df[0.410,0.313], g[2.445,0.258]
1/1 [=====] - 0s 93ms/step
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>3354, dr[0.523,0.485], df[0.891,0.002], g[3.478,0.164]
1/1 [=====] - 0s 114ms/step
>3355, dr[0.367,0.971], df[0.285,0.168], g[3.339,0.219]
1/1 [=====] - 0s 102ms/step
>3356, dr[0.933,0.654], df[0.836,0.001], g[2.400,0.013]
1/1 [=====] - 0s 94ms/step
>3357, dr[0.397,1.700], df[0.458,0.119], g[2.706,0.148]
1/1 [=====] - 0s 121ms/step
>3358, dr[0.648,1.395], df[0.727,0.098], g[2.575,0.132]
1/1 [=====] - 0s 105ms/step
>3359, dr[0.730,1.304], df[0.754,0.081], g[2.550,0.196]
1/1 [=====] - 0s 85ms/step
>3360, dr[0.537,0.688], df[0.548,0.212], g[2.879,0.017]
1/1 [=====] - 0s 203ms/step
>3361, dr[0.615,0.505], df[0.773,0.005], g[2.725,0.132]
1/1 [=====] - 0s 81ms/step
>3362, dr[0.665,0.971], df[0.475,0.056], g[3.094,0.177]
1/1 [=====] - 0s 103ms/step
>3363, dr[0.642,1.351], df[0.965,0.214], g[4.610,0.144]
1/1 [=====] - 0s 96ms/step
>3364, dr[0.688,0.599], df[0.376,0.323], g[2.488,0.499]
1/1 [=====] - 0s 95ms/step
>3365, dr[0.471,0.735], df[0.826,0.096], g[3.080,0.144]
1/1 [=====] - 0s 93ms/step
>3366, dr[0.607,0.765], df[0.410,0.515], g[3.250,0.155]
1/1 [=====] - 0s 103ms/step
>3367, dr[0.524,0.535], df[0.425,0.835], g[2.499,0.199]
1/1 [=====] - 0s 95ms/step
>3368, dr[0.335,0.122], df[0.377,0.051], g[3.259,0.257]
1/1 [=====] - 0s 95ms/step
>3369, dr[0.713,0.732], df[0.600,0.233], g[2.466,0.295]
1/1 [=====] - 0s 99ms/step
>3370, dr[0.463,1.233], df[0.598,0.143], g[2.920,0.075]
1/1 [=====] - 0s 84ms/step
>3371, dr[0.415,1.163], df[0.392,0.095], g[3.333,0.108]
1/1 [=====] - 0s 91ms/step
>3372, dr[0.763,1.050], df[0.745,0.376], g[2.713,0.231]
1/1 [=====] - 0s 93ms/step
>3373, dr[0.665,1.556], df[0.211,0.015], g[2.295,0.077]
1/1 [=====] - 0s 92ms/step
>3374, dr[0.264,0.884], df[0.874,0.209], g[3.130,0.122]
1/1 [=====] - 0s 99ms/step
>3375, dr[0.507,0.293], df[0.357,0.092], g[3.227,0.355]
1/1 [=====] - 0s 89ms/step
>3376, dr[1.101,0.817], df[0.877,0.144], g[2.061,0.087]
1/1 [=====] - 0s 96ms/step
>3377, dr[0.216,0.615], df[0.497,0.364], g[3.426,0.252]
1/1 [=====] - 0s 101ms/step
>3378, dr[1.183,0.897], df[0.873,0.580], g[2.173,0.217]
1/1 [=====] - 0s 113ms/step
>3379, dr[0.530,0.394], df[0.426,0.259], g[2.373,0.219]
1/1 [=====] - 0s 111ms/step
>3380, dr[0.600,0.083], df[0.731,0.149], g[2.942,0.107]
1/1 [=====] - 0s 114ms/step
>3381, dr[0.494,0.657], df[0.619,0.029], g[3.185,0.122]
1/1 [=====] - 0s 98ms/step
>3382, dr[0.695,1.475], df[0.317,0.186], g[3.072,0.172]
1/1 [=====] - 0s 82ms/step
>3383, dr[0.534,0.463], df[1.015,0.122], g[3.260,0.562]
1/1 [=====] - 0s 93ms/step
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>3384, dr[0.367,0.397], df[0.223,0.173], g[2.981,0.173]
1/1 [=====] - 0s 94ms/step
>3385, dr[0.692,0.830], df[0.587,0.371], g[2.103,0.206]
1/1 [=====] - 0s 92ms/step
>3386, dr[0.399,0.993], df[0.544,0.018], g[3.134,0.130]
1/1 [=====] - 0s 97ms/step
>3387, dr[0.550,1.518], df[0.527,0.091], g[2.813,0.090]
1/1 [=====] - 0s 144ms/step
>3388, dr[0.485,0.396], df[0.352,0.059], g[2.616,0.057]
1/1 [=====] - 0s 89ms/step
>3389, dr[0.548,0.599], df[0.629,0.322], g[3.127,0.090]
1/1 [=====] - 0s 97ms/step
>3390, dr[0.661,0.984], df[0.645,0.023], g[2.620,0.452]
1/1 [=====] - 0s 89ms/step
>3391, dr[0.741,1.515], df[0.841,0.561], g[2.490,0.090]
1/1 [=====] - 0s 92ms/step
>3392, dr[0.459,0.700], df[0.346,0.092], g[2.499,0.134]
1/1 [=====] - 0s 112ms/step
>3393, dr[0.562,1.131], df[0.683,0.072], g[2.625,0.274]
1/1 [=====] - 0s 95ms/step
>3394, dr[0.456,1.509], df[0.432,0.195], g[2.674,0.377]
1/1 [=====] - 0s 110ms/step
>3395, dr[0.386,1.406], df[0.383,0.488], g[2.536,0.581]
1/1 [=====] - 0s 84ms/step
>3396, dr[0.803,0.764], df[1.334,0.057], g[2.608,0.104]
1/1 [=====] - 0s 93ms/step
>3397, dr[0.454,0.690], df[0.573,0.152], g[3.286,0.217]
1/1 [=====] - 0s 82ms/step
>3398, dr[0.737,0.214], df[0.460,0.184], g[3.396,0.109]
1/1 [=====] - 0s 87ms/step
>3399, dr[0.506,1.117], df[0.394,0.138], g[2.268,0.130]
1/1 [=====] - 0s 94ms/step
>3400, dr[0.428,1.297], df[0.794,0.352], g[3.391,0.445]
1/1 [=====] - 0s 96ms/step
>3401, dr[0.570,0.749], df[0.484,0.577], g[4.034,0.167]
1/1 [=====] - 0s 89ms/step
>3402, dr[0.646,0.206], df[0.351,0.223], g[2.438,0.495]
1/1 [=====] - 0s 90ms/step
>3403, dr[0.409,0.713], df[0.313,0.060], g[2.125,0.337]
1/1 [=====] - 0s 90ms/step
>3404, dr[0.155,0.394], df[0.746,0.278], g[3.335,0.018]
1/1 [=====] - 0s 83ms/step
>3405, dr[1.044,0.628], df[0.566,0.238], g[2.113,0.126]
1/1 [=====] - 0s 100ms/step
>3406, dr[0.183,0.531], df[0.517,0.150], g[3.162,0.149]
1/1 [=====] - 0s 227ms/step
>3407, dr[0.616,0.644], df[0.201,0.004], g[2.394,0.081]
1/1 [=====] - 0s 117ms/step
>3408, dr[0.406,1.017], df[0.906,0.102], g[2.751,0.085]
1/1 [=====] - 0s 102ms/step
>3409, dr[0.566,1.142], df[0.419,0.222], g[3.909,0.478]
1/1 [=====] - 0s 91ms/step
>3410, dr[0.971,1.039], df[0.470,0.102], g[2.345,0.234]
1/1 [=====] - 0s 77ms/step
>3411, dr[0.644,1.690], df[1.274,0.127], g[2.839,0.273]
1/1 [=====] - 0s 98ms/step
>3412, dr[0.637,1.105], df[0.250,0.296], g[3.619,0.259]
1/1 [=====] - 0s 103ms/step
>3413, dr[0.541,0.947], df[0.730,0.225], g[3.404,0.026]
1/1 [=====] - 0s 114ms/step
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```
>3414, dr[1.075,0.647], df[0.555,0.013], g[2.774,0.258]
1/1 [=====] - 0s 95ms/step
>3415, dr[0.372,0.915], df[0.649,0.225], g[3.820,0.213]
1/1 [=====] - 0s 93ms/step
>3416, dr[1.063,1.640], df[0.598,0.036], g[2.076,0.131]
1/1 [=====] - 0s 88ms/step
>3417, dr[0.258,0.883], df[0.756,0.727], g[3.688,0.147]
1/1 [=====] - 0s 91ms/step
>3418, dr[0.898,0.979], df[0.467,0.076], g[3.400,0.188]
1/1 [=====] - 0s 85ms/step
>3419, dr[0.538,0.572], df[0.913,0.175], g[3.324,0.137]
1/1 [=====] - 0s 87ms/step
>3420, dr[0.824,0.789], df[0.756,0.139], g[3.492,0.099]
1/1 [=====] - 0s 88ms/step
>3421, dr[0.397,0.661], df[0.411,0.013], g[3.393,0.488]
1/1 [=====] - 0s 98ms/step
>3422, dr[0.697,0.834], df[0.579,0.059], g[2.985,0.149]
1/1 [=====] - 0s 134ms/step
>3423, dr[0.652,0.700], df[0.596,0.042], g[2.245,0.194]
1/1 [=====] - 0s 98ms/step
>3424, dr[0.592,0.344], df[0.766,0.205], g[2.731,0.111]
1/1 [=====] - 0s 108ms/step
>3425, dr[0.912,0.450], df[0.581,0.303], g[2.263,0.191]
1/1 [=====] - 0s 104ms/step
>3426, dr[0.286,0.715], df[0.429,0.227], g[3.813,0.175]
1/1 [=====] - 0s 99ms/step
>3427, dr[0.893,0.586], df[0.623,0.196], g[1.951,0.215]
1/1 [=====] - 0s 100ms/step
>3428, dr[0.278,0.948], df[0.545,0.282], g[2.547,0.145]
1/1 [=====] - 0s 95ms/step
>3429, dr[0.478,0.652], df[0.614,0.332], g[2.865,0.157]
1/1 [=====] - 0s 120ms/step
>3430, dr[1.341,1.363], df[0.618,0.041], g[1.709,0.257]
1/1 [=====] - 0s 107ms/step
>3431, dr[0.213,0.543], df[0.611,0.074], g[3.226,0.190]
1/1 [=====] - 0s 92ms/step
>3432, dr[0.582,0.773], df[0.403,0.376], g[2.821,0.145]
1/1 [=====] - 0s 96ms/step
>3433, dr[0.310,1.321], df[0.617,0.356], g[3.094,0.059]
1/1 [=====] - 0s 111ms/step
>3434, dr[0.997,0.221], df[0.920,0.076], g[3.103,0.135]
1/1 [=====] - 0s 93ms/step
>3435, dr[0.627,1.202], df[0.648,0.008], g[2.514,0.109]
1/1 [=====] - 0s 109ms/step
>3436, dr[0.388,1.353], df[0.600,0.061], g[2.846,0.132]
1/1 [=====] - 0s 97ms/step
>3437, dr[0.589,0.938], df[0.166,0.091], g[2.217,0.303]
1/1 [=====] - 0s 102ms/step
>3438, dr[0.563,0.528], df[1.480,0.171], g[3.822,0.043]
1/1 [=====] - 0s 126ms/step
>3439, dr[1.229,0.301], df[0.381,0.148], g[2.945,0.099]
1/1 [=====] - 0s 137ms/step
>3440, dr[0.465,0.728], df[1.178,0.203], g[3.419,0.213]
1/1 [=====] - 0s 123ms/step
>3441, dr[0.547,0.803], df[0.445,0.542], g[3.822,0.256]
1/1 [=====] - 0s 95ms/step
>3442, dr[1.368,1.767], df[1.025,0.277], g[1.963,0.238]
1/1 [=====] - 0s 110ms/step
>3443, dr[0.275,1.212], df[0.628,0.212], g[3.791,0.202]
1/1 [=====] - 0s 95ms/step
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>3444, dr[1.032,0.705], df[0.329,0.244], g[2.369,0.087]
1/1 [=====] - 0s 94ms/step
>3445, dr[0.502,0.725], df[0.684,0.110], g[2.930,0.125]
1/1 [=====] - 0s 98ms/step
>3446, dr[0.350,0.150], df[0.477,0.093], g[3.199,0.192]
1/1 [=====] - 0s 92ms/step
>3447, dr[1.204,1.008], df[1.425,0.508], g[2.611,0.127]
1/1 [=====] - 0s 98ms/step
>3448, dr[0.584,0.848], df[0.621,0.067], g[3.504,0.197]
1/1 [=====] - 0s 95ms/step
>3449, dr[0.875,0.485], df[0.535,0.135], g[2.993,0.044]
1/1 [=====] - 0s 93ms/step
>3450, dr[0.671,0.466], df[1.194,0.879], g[3.996,0.512]
1/1 [=====] - 0s 87ms/step
>3451, dr[0.770,0.868], df[0.657,0.206], g[3.633,0.111]
1/1 [=====] - 0s 92ms/step
>3452, dr[0.967,0.323], df[0.953,0.091], g[2.708,0.427]
1/1 [=====] - 0s 92ms/step
>3453, dr[0.570,0.621], df[0.842,0.470], g[3.158,0.046]
1/1 [=====] - 0s 88ms/step
>3454, dr[0.658,0.222], df[0.624,0.084], g[3.448,0.616]
1/1 [=====] - 0s 90ms/step
>3455, dr[0.747,1.026], df[0.552,0.054], g[3.386,0.128]
1/1 [=====] - 0s 92ms/step
>3456, dr[0.676,2.282], df[0.992,0.069], g[3.728,0.199]
1/1 [=====] - 0s 85ms/step
>3457, dr[0.627,0.485], df[0.261,0.059], g[3.165,0.026]
1/1 [=====] - 0s 80ms/step
>3458, dr[1.099,1.149], df[1.062,0.196], g[2.639,0.266]
1/1 [=====] - 0s 80ms/step
>3459, dr[0.397,0.745], df[0.532,0.261], g[3.464,0.195]
1/1 [=====] - 0s 97ms/step
>3460, dr[0.837,0.383], df[0.538,0.198], g[3.639,0.175]
1/1 [=====] - 0s 86ms/step
>3461, dr[0.572,0.694], df[0.268,0.030], g[2.510,0.196]
1/1 [=====] - 0s 100ms/step
>3462, dr[0.413,0.497], df[0.716,0.089], g[3.145,0.074]
1/1 [=====] - 0s 83ms/step
>3463, dr[0.475,0.371], df[0.413,0.370], g[3.453,0.193]
1/1 [=====] - 0s 94ms/step
>3464, dr[0.639,0.524], df[0.665,0.052], g[2.923,0.464]
1/1 [=====] - 0s 78ms/step
>3465, dr[0.578,0.464], df[0.599,0.054], g[2.575,0.411]
1/1 [=====] - 0s 90ms/step
>3466, dr[0.521,0.456], df[0.594,0.169], g[3.238,0.390]
1/1 [=====] - 0s 86ms/step
>3467, dr[0.982,1.869], df[1.246,0.078], g[2.567,0.068]
1/1 [=====] - 0s 110ms/step
>3468, dr[0.515,0.799], df[0.235,0.143], g[3.240,0.460]
1/1 [=====] - 0s 85ms/step
>3469, dr[0.499,1.196], df[0.642,0.178], g[2.598,0.596]
1/1 [=====] - 0s 89ms/step
>3470, dr[0.503,1.653], df[0.784,0.461], g[3.261,0.414]
1/1 [=====] - 0s 87ms/step
>3471, dr[0.854,0.943], df[0.653,0.375], g[2.988,0.079]
1/1 [=====] - 0s 90ms/step
>3472, dr[0.571,0.787], df[0.573,0.154], g[3.272,0.062]
1/1 [=====] - 0s 88ms/step
>3473, dr[0.941,0.485], df[0.882,0.338], g[2.514,0.219]
1/1 [=====] - 0s 89ms/step
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>3474, dr[0.434,0.525], df[0.748,0.359], g[3.089,0.205]
1/1 [=====] - 0s 85ms/step
>3475, dr[0.706,1.379], df[0.515,0.051], g[3.356,0.087]
1/1 [=====] - 0s 89ms/step
>3476, dr[0.618,0.500], df[0.285,0.277], g[2.374,0.257]
1/1 [=====] - 0s 84ms/step
>3477, dr[0.656,1.590], df[1.131,0.796], g[2.597,0.308]
1/1 [=====] - 0s 91ms/step
>3478, dr[0.255,0.359], df[0.453,0.018], g[4.302,0.217]
1/1 [=====] - 0s 97ms/step
>3479, dr[0.909,0.662], df[0.359,0.134], g[1.909,0.144]
1/1 [=====] - 0s 93ms/step
>3480, dr[0.402,0.796], df[0.910,0.188], g[2.348,0.439]
1/1 [=====] - 0s 91ms/step
>3481, dr[0.627,0.592], df[0.973,0.117], g[2.630,0.188]
1/1 [=====] - 0s 81ms/step
>3482, dr[0.575,1.265], df[0.742,0.080], g[3.292,0.276]
1/1 [=====] - 0s 82ms/step
>3483, dr[0.793,1.118], df[0.270,0.118], g[2.185,0.121]
1/1 [=====] - 0s 86ms/step
>3484, dr[0.465,0.864], df[0.826,0.757], g[2.628,0.236]
1/1 [=====] - 0s 86ms/step
>3485, dr[0.568,1.762], df[0.467,0.013], g[2.778,0.205]
1/1 [=====] - 0s 89ms/step
>3486, dr[0.911,1.104], df[0.884,0.100], g[3.011,0.211]
1/1 [=====] - 0s 86ms/step
>3487, dr[0.338,0.913], df[0.314,0.247], g[2.334,0.013]
1/1 [=====] - 0s 99ms/step
>3488, dr[0.460,0.766], df[0.569,0.059], g[3.223,0.099]
1/1 [=====] - 0s 104ms/step
>3489, dr[0.721,0.371], df[0.618,0.049], g[2.932,0.096]
1/1 [=====] - 0s 84ms/step
>3490, dr[0.612,0.785], df[0.566,0.236], g[2.505,0.438]
1/1 [=====] - 0s 84ms/step
>3491, dr[0.564,0.469], df[0.604,0.072], g[2.885,0.090]
1/1 [=====] - 0s 85ms/step
>3492, dr[0.329,1.015], df[0.968,0.177], g[4.284,0.366]
1/1 [=====] - 0s 76ms/step
>3493, dr[1.071,0.807], df[0.351,0.061], g[2.371,0.224]
1/1 [=====] - 0s 83ms/step
>3494, dr[0.257,0.709], df[0.773,0.049], g[3.650,0.368]
1/1 [=====] - 0s 81ms/step
>3495, dr[0.526,0.178], df[0.475,0.070], g[3.880,0.137]
1/1 [=====] - 0s 88ms/step
>3496, dr[0.903,0.449], df[0.660,0.053], g[2.510,0.230]
1/1 [=====] - 0s 95ms/step
>3497, dr[0.809,0.249], df[0.791,0.232], g[2.441,0.123]
1/1 [=====] - 0s 89ms/step
>3498, dr[0.361,0.869], df[0.379,0.109], g[3.101,0.083]
1/1 [=====] - 0s 93ms/step
>3499, dr[0.595,1.057], df[1.001,0.023], g[3.643,0.269]
1/1 [=====] - 0s 92ms/step
>3500, dr[1.002,0.811], df[0.448,0.034], g[2.314,0.203]
1/1 [=====] - 0s 85ms/step
>3501, dr[0.263,1.183], df[0.860,0.364], g[4.027,0.052]
1/1 [=====] - 0s 81ms/step
>3502, dr[0.790,0.848], df[0.264,0.024], g[2.636,0.082]
1/1 [=====] - 0s 80ms/step
>3503, dr[0.307,1.058], df[0.426,0.206], g[2.433,0.141]
1/1 [=====] - 0s 85ms/step
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>3504, dr[0.575,0.719], df[1.128,0.121], g[3.439,0.154]
1/1 [=====] - 0s 84ms/step
>3505, dr[0.882,0.388], df[0.508,0.369], g[2.540,0.198]
1/1 [=====] - 0s 85ms/step
>3506, dr[0.392,1.289], df[0.478,0.406], g[2.274,0.470]
1/1 [=====] - 0s 89ms/step
>3507, dr[0.358,0.729], df[0.622,0.344], g[3.192,0.070]
1/1 [=====] - 0s 89ms/step
>3508, dr[0.945,0.405], df[0.487,0.094], g[1.900,0.211]
1/1 [=====] - 0s 90ms/step
>3509, dr[0.201,0.252], df[0.755,0.190], g[2.900,0.147]
1/1 [=====] - 0s 81ms/step
>3510, dr[0.702,1.039], df[0.398,0.544], g[2.791,0.089]
1/1 [=====] - 0s 81ms/step
>3511, dr[0.393,0.265], df[0.313,0.056], g[2.750,0.099]
1/1 [=====] - 0s 83ms/step
>3512, dr[0.545,0.755], df[0.455,0.248], g[2.283,0.088]
1/1 [=====] - 0s 81ms/step
>3513, dr[0.862,0.273], df[0.996,0.379], g[2.646,0.017]
1/1 [=====] - 0s 80ms/step
>3514, dr[0.649,0.635], df[0.637,0.120], g[2.359,0.036]
1/1 [=====] - 0s 86ms/step
>3515, dr[0.593,0.925], df[0.588,0.104], g[2.832,0.039]
1/1 [=====] - 0s 81ms/step
>3516, dr[0.325,0.412], df[0.527,0.127], g[3.264,0.091]
1/1 [=====] - 0s 83ms/step
>3517, dr[0.960,0.725], df[0.417,0.336], g[2.052,0.209]
1/1 [=====] - 0s 85ms/step
>3518, dr[0.482,1.306], df[0.735,0.033], g[2.866,0.356]
1/1 [=====] - 0s 89ms/step
>3519, dr[0.419,0.362], df[0.377,0.364], g[3.299,0.513]
1/1 [=====] - 0s 95ms/step
>3520, dr[0.914,1.452], df[0.444,0.224], g[2.356,0.157]
1/1 [=====] - 0s 86ms/step
>3521, dr[0.545,1.644], df[0.666,0.338], g[1.960,0.105]
1/1 [=====] - 0s 78ms/step
>3522, dr[0.344,1.381], df[0.505,0.247], g[2.820,0.318]
1/1 [=====] - 0s 86ms/step
>3523, dr[0.914,0.755], df[0.537,0.052], g[2.427,0.102]
1/1 [=====] - 0s 84ms/step
>3524, dr[0.394,1.474], df[0.424,0.026], g[2.607,0.229]
1/1 [=====] - 0s 88ms/step
>3525, dr[0.581,1.262], df[0.991,0.536], g[3.169,0.395]
1/1 [=====] - 0s 89ms/step
>3526, dr[0.600,0.113], df[0.327,0.189], g[2.896,0.110]
1/1 [=====] - 0s 84ms/step
>3527, dr[0.670,1.275], df[0.941,0.228], g[2.670,0.226]
1/1 [=====] - 0s 88ms/step
>3528, dr[0.490,1.039], df[0.460,0.351], g[2.473,0.238]
1/1 [=====] - 0s 84ms/step
>3529, dr[1.129,0.899], df[0.889,0.145], g[2.097,0.075]
1/1 [=====] - 0s 89ms/step
>3530, dr[0.207,0.964], df[0.408,0.475], g[3.805,0.216]
1/1 [=====] - 0s 83ms/step
>3531, dr[1.055,0.828], df[0.404,0.015], g[2.078,0.234]
1/1 [=====] - 0s 83ms/step
>3532, dr[0.438,0.664], df[1.314,0.029], g[3.299,0.262]
1/1 [=====] - 0s 80ms/step
>3533, dr[0.554,1.032], df[0.534,0.025], g[4.528,0.118]
1/1 [=====] - 0s 89ms/step
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>3534, dr[1.142,0.743], df[0.567,0.151], g[2.462,0.244]
1/1 [=====] - 0s 87ms/step
>3535, dr[0.572,0.533], df[1.009,0.344], g[2.780,0.219]
1/1 [=====] - 0s 102ms/step
>3536, dr[0.810,1.148], df[0.521,0.263], g[2.721,0.197]
1/1 [=====] - 0s 109ms/step
>3537, dr[0.216,0.652], df[0.392,0.223], g[3.697,0.125]
1/1 [=====] - 0s 96ms/step
>3538, dr[1.153,1.231], df[0.881,0.138], g[1.873,0.144]
1/1 [=====] - 0s 103ms/step
>3539, dr[0.264,0.726], df[0.268,0.082], g[1.957,0.433]
1/1 [=====] - 0s 117ms/step
>3540, dr[0.370,1.002], df[0.573,0.159], g[2.733,0.288]
1/1 [=====] - 0s 133ms/step
>3541, dr[0.532,0.526], df[0.400,0.067], g[2.594,0.454]
1/1 [=====] - 0s 99ms/step
>3542, dr[0.662,1.251], df[0.750,0.357], g[2.968,0.127]
1/1 [=====] - 0s 97ms/step
>3543, dr[1.080,0.195], df[0.664,0.405], g[2.593,0.218]
1/1 [=====] - 0s 81ms/step
>3544, dr[0.365,0.275], df[0.537,0.081], g[3.362,0.102]
1/1 [=====] - 0s 82ms/step
>3545, dr[0.541,0.235], df[0.360,0.180], g[2.997,0.057]
1/1 [=====] - 0s 92ms/step
>3546, dr[0.461,0.191], df[0.867,0.138], g[2.816,0.147]
1/1 [=====] - 0s 96ms/step
>3547, dr[0.855,1.689], df[0.389,0.041], g[2.288,0.051]
1/1 [=====] - 0s 91ms/step
>3548, dr[0.549,0.433], df[0.650,0.653], g[2.570,0.094]
1/1 [=====] - 0s 91ms/step
>3549, dr[0.726,0.676], df[0.852,0.007], g[2.784,0.216]
1/1 [=====] - 0s 86ms/step
>3550, dr[0.494,0.795], df[0.590,0.231], g[3.776,0.137]
1/1 [=====] - 0s 79ms/step
>3551, dr[0.771,0.951], df[0.355,0.014], g[2.010,0.071]
1/1 [=====] - 0s 84ms/step
>3552, dr[0.326,0.393], df[0.831,0.085], g[3.037,0.465]
1/1 [=====] - 0s 83ms/step
>3553, dr[0.689,1.614], df[0.312,0.120], g[2.334,0.384]
1/1 [=====] - 0s 83ms/step
>3554, dr[0.464,1.327], df[1.077,0.231], g[2.822,0.184]
1/1 [=====] - 0s 82ms/step
>3555, dr[0.685,1.576], df[0.316,0.165], g[2.102,0.286]
1/1 [=====] - 0s 84ms/step
>3556, dr[0.515,0.660], df[0.847,0.047], g[2.101,0.195]
1/1 [=====] - 0s 91ms/step
>3557, dr[0.779,0.356], df[0.736,0.144], g[2.756,0.205]
1/1 [=====] - 0s 86ms/step
>3558, dr[0.529,1.140], df[0.413,0.368], g[2.975,0.046]
1/1 [=====] - 0s 98ms/step
>3559, dr[0.573,0.257], df[0.535,0.398], g[2.475,0.077]
1/1 [=====] - 0s 86ms/step
>3560, dr[0.690,1.156], df[0.769,0.371], g[3.642,0.123]
1/1 [=====] - 0s 97ms/step
>3561, dr[0.763,0.628], df[0.445,0.408], g[2.091,0.271]
1/1 [=====] - 0s 103ms/step
>3562, dr[0.588,1.045], df[1.627,0.559], g[3.122,0.088]
1/1 [=====] - 0s 93ms/step
>3563, dr[0.590,0.743], df[0.534,0.062], g[3.632,0.819]
1/1 [=====] - 0s 98ms/step
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>3564, dr[1.139,0.839], df[0.445,0.013], g[2.022,0.340]
1/1 [=====] - 0s 95ms/step
>3565, dr[0.233,0.495], df[0.593,0.174], g[2.332,0.503]
1/1 [=====] - 0s 103ms/step
>3566, dr[0.314,1.524], df[0.263,0.163], g[2.766,0.086]
1/1 [=====] - 0s 96ms/step
>3567, dr[0.758,0.663], df[0.839,0.409], g[2.320,0.296]
1/1 [=====] - 0s 85ms/step
>3568, dr[0.462,0.589], df[0.648,0.186], g[2.452,0.079]
1/1 [=====] - 0s 90ms/step
>3569, dr[0.528,0.607], df[0.902,0.284], g[3.497,0.252]
1/1 [=====] - 0s 88ms/step
>3570, dr[1.118,0.995], df[0.363,0.010], g[2.813,0.353]
1/1 [=====] - 0s 91ms/step
>3571, dr[0.515,0.427], df[0.649,0.135], g[2.906,0.143]
1/1 [=====] - 0s 91ms/step
>3572, dr[0.311,0.349], df[0.560,0.012], g[3.260,0.270]
1/1 [=====] - 0s 88ms/step
>3573, dr[1.162,1.528], df[0.680,0.138], g[2.356,0.360]
1/1 [=====] - 0s 89ms/step
>3574, dr[0.488,0.784], df[0.767,0.007], g[3.369,0.395]
1/1 [=====] - 0s 95ms/step
>3575, dr[0.729,0.568], df[0.248,0.057], g[2.521,0.122]
1/1 [=====] - 0s 110ms/step
>3576, dr[0.677,0.264], df[0.804,0.025], g[2.387,0.043]
1/1 [=====] - 0s 115ms/step
>3577, dr[0.393,0.566], df[0.530,0.225], g[2.518,0.160]
1/1 [=====] - 0s 105ms/step
>3578, dr[0.749,1.664], df[0.942,0.161], g[2.573,0.258]
1/1 [=====] - 0s 89ms/step
>3579, dr[0.885,0.586], df[0.303,0.091], g[2.036,0.086]
1/1 [=====] - 0s 92ms/step
>3580, dr[0.425,1.184], df[1.145,0.213], g[2.920,0.203]
1/1 [=====] - 0s 92ms/step
>3581, dr[0.721,0.927], df[0.127,0.075], g[2.946,0.420]
1/1 [=====] - 0s 99ms/step
>3582, dr[0.497,0.677], df[0.813,0.022], g[2.300,0.536]
1/1 [=====] - 0s 95ms/step
>3583, dr[0.865,2.430], df[1.260,0.037], g[3.291,0.204]
1/1 [=====] - 0s 119ms/step
>3584, dr[0.765,0.565], df[0.414,0.173], g[2.505,0.258]
1/1 [=====] - 0s 93ms/step
>3585, dr[0.814,1.275], df[0.467,0.039], g[1.458,0.172]
1/1 [=====] - 0s 98ms/step
>3586, dr[0.461,0.725], df[1.245,0.105], g[2.702,0.164]
1/1 [=====] - 0s 114ms/step
>3587, dr[0.648,0.736], df[0.260,0.166], g[3.100,0.136]
1/1 [=====] - 0s 86ms/step
>3588, dr[0.861,1.708], df[0.796,0.042], g[2.408,0.323]
1/1 [=====] - 0s 79ms/step
>3589, dr[0.349,0.716], df[0.919,0.153], g[4.261,0.068]
1/1 [=====] - 0s 98ms/step
>3590, dr[1.247,0.277], df[0.501,0.016], g[2.385,0.100]
1/1 [=====] - 0s 101ms/step
>3591, dr[0.356,1.261], df[0.539,0.216], g[2.364,0.166]
1/1 [=====] - 0s 92ms/step
>3592, dr[0.530,0.397], df[0.497,0.078], g[2.390,0.349]
1/1 [=====] - 0s 134ms/step
>3593, dr[0.477,1.420], df[0.858,0.491], g[3.348,0.141]
1/1 [=====] - 0s 102ms/step
```

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>3594, dr[0.594,0.634], df[0.282,0.115], g[3.489,0.133]
1/1 [=====] - 0s 105ms/step
>3595, dr[0.518,0.473], df[0.360,0.186], g[2.554,0.170]
1/1 [=====] - 0s 84ms/step
>3596, dr[0.447,0.383], df[0.774,0.357], g[2.286,0.228]
1/1 [=====] - 0s 76ms/step
>3597, dr[0.342,1.650], df[0.306,0.212], g[2.346,0.188]
1/1 [=====] - 0s 77ms/step
>3598, dr[0.887,0.312], df[1.036,0.424], g[2.178,0.608]
1/1 [=====] - 0s 89ms/step
>3599, dr[0.514,0.541], df[0.437,0.078], g[2.883,0.328]
1/1 [=====] - 0s 83ms/step
>3600, dr[1.023,0.275], df[1.143,0.168], g[2.982,0.200]
1/1 [=====] - 0s 88ms/step
>3601, dr[0.691,1.039], df[0.737,0.055], g[2.652,0.286]
1/1 [=====] - 0s 103ms/step
>3602, dr[0.858,0.766], df[0.568,0.032], g[2.420,0.182]
1/1 [=====] - 0s 84ms/step
>3603, dr[0.647,0.588], df[0.770,0.152], g[2.201,0.216]
1/1 [=====] - 0s 83ms/step
>3604, dr[0.266,1.116], df[0.245,0.013], g[2.288,0.195]
1/1 [=====] - 0s 86ms/step
>3605, dr[0.692,0.795], df[0.787,0.481], g[2.199,0.159]
1/1 [=====] - 0s 83ms/step
>3606, dr[0.420,0.136], df[0.480,0.177], g[2.921,0.371]
1/1 [=====] - 0s 83ms/step
>3607, dr[0.515,0.216], df[0.549,0.057], g[2.718,0.084]
1/1 [=====] - 0s 95ms/step
>3608, dr[0.426,1.164], df[0.474,0.062], g[2.534,0.331]
1/1 [=====] - 0s 96ms/step
>3609, dr[0.516,0.218], df[0.510,0.621], g[2.802,0.467]
1/1 [=====] - 0s 87ms/step
>3610, dr[0.711,0.884], df[0.491,0.007], g[2.280,0.040]
1/1 [=====] - 0s 83ms/step
>3611, dr[0.390,0.716], df[0.638,0.264], g[3.381,0.204]
1/1 [=====] - 0s 81ms/step
>3612, dr[0.442,0.880], df[0.260,0.455], g[3.384,0.271]
1/1 [=====] - 0s 83ms/step
>3613, dr[0.898,0.612], df[0.690,0.185], g[2.377,0.216]
1/1 [=====] - 0s 89ms/step
>3614, dr[0.409,0.871], df[0.721,0.420], g[2.779,0.200]
1/1 [=====] - 0s 94ms/step
>3615, dr[0.693,1.049], df[0.844,0.200], g[3.604,0.102]
1/1 [=====] - 0s 101ms/step
>3616, dr[1.556,1.021], df[1.101,0.132], g[2.232,0.628]
1/1 [=====] - 0s 93ms/step
>3617, dr[0.414,0.512], df[0.459,0.261], g[2.994,0.156]
1/1 [=====] - 0s 87ms/step
>3618, dr[0.485,1.344], df[0.620,0.079], g[3.576,0.325]
1/1 [=====] - 0s 83ms/step
>3619, dr[0.574,0.920], df[0.455,0.273], g[3.321,0.116]
1/1 [=====] - 0s 100ms/step
>3620, dr[0.853,1.251], df[0.528,0.174], g[2.177,0.363]
1/1 [=====] - 0s 85ms/step
>3621, dr[0.464,1.410], df[0.755,0.275], g[2.603,0.145]
1/1 [=====] - 0s 82ms/step
>3622, dr[0.501,0.463], df[0.669,0.046], g[3.185,0.194]
1/1 [=====] - 0s 92ms/step
>3623, dr[0.889,0.295], df[0.664,0.064], g[2.093,0.249]
1/1 [=====] - 0s 89ms/step
```

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>3624, dr[0.373,0.652], df[0.931,0.377], g[3.773,0.174]
1/1 [=====] - 0s 91ms/step
>3625, dr[0.862,0.698], df[0.372,0.694], g[2.457,0.193]
1/1 [=====] - 0s 81ms/step
>3626, dr[0.674,1.672], df[1.252,0.214], g[2.335,0.076]
1/1 [=====] - 0s 96ms/step
>3627, dr[0.575,0.766], df[0.595,0.135], g[2.973,0.159]
1/1 [=====] - 0s 88ms/step
>3628, dr[0.512,0.313], df[0.670,0.140], g[3.898,0.513]
1/1 [=====] - 0s 81ms/step
>3629, dr[0.887,0.547], df[0.638,0.108], g[2.311,0.202]
1/1 [=====] - 0s 111ms/step
>3630, dr[0.629,0.995], df[0.725,0.057], g[2.796,0.224]
1/1 [=====] - 0s 97ms/step
>3631, dr[0.771,0.479], df[0.340,0.078], g[1.972,0.177]
1/1 [=====] - 0s 89ms/step
>3632, dr[0.558,1.597], df[1.257,0.039], g[2.481,0.356]
1/1 [=====] - 0s 92ms/step
>3633, dr[0.772,0.385], df[0.572,0.333], g[2.394,0.282]
1/1 [=====] - 0s 95ms/step
>3634, dr[0.429,0.498], df[0.233,0.248], g[2.406,0.327]
1/1 [=====] - 0s 90ms/step
>3635, dr[0.560,0.362], df[1.193,0.179], g[2.896,0.397]
1/1 [=====] - 0s 91ms/step
>3636, dr[0.522,0.703], df[0.178,0.077], g[2.410,0.112]
1/1 [=====] - 0s 108ms/step
>3637, dr[0.608,2.157], df[1.190,0.191], g[2.924,0.059]
1/1 [=====] - 0s 99ms/step
>3638, dr[0.782,1.575], df[0.503,0.046], g[2.805,0.172]
1/1 [=====] - 0s 87ms/step
>3639, dr[0.431,1.083], df[0.624,0.320], g[2.893,0.196]
1/1 [=====] - 0s 89ms/step
>3640, dr[0.524,0.529], df[0.500,0.164], g[2.873,0.067]
1/1 [=====] - 0s 99ms/step
>3641, dr[0.756,0.744], df[0.504,0.174], g[2.790,0.099]
1/1 [=====] - 0s 84ms/step
>3642, dr[0.529,0.699], df[0.863,0.156], g[2.711,0.238]
1/1 [=====] - 0s 86ms/step
>3643, dr[0.792,0.984], df[0.532,0.036], g[2.535,0.051]
1/1 [=====] - 0s 85ms/step
>3644, dr[0.749,0.521], df[0.734,0.148], g[3.184,0.166]
1/1 [=====] - 0s 88ms/step
>3645, dr[0.676,0.204], df[0.526,0.373], g[3.177,0.503]
1/1 [=====] - 0s 81ms/step
>3646, dr[0.392,1.362], df[0.331,0.296], g[2.742,0.338]
1/1 [=====] - 0s 80ms/step
>3647, dr[0.851,0.724], df[0.798,0.092], g[2.662,0.035]
1/1 [=====] - 0s 83ms/step
>3648, dr[0.216,0.316], df[0.217,0.104], g[2.585,0.079]
1/1 [=====] - 0s 81ms/step
>3649, dr[0.653,1.036], df[0.923,0.400], g[3.079,0.200]
1/1 [=====] - 0s 90ms/step
>3650, dr[1.143,1.370], df[0.619,0.618], g[2.703,0.441]
1/1 [=====] - 0s 78ms/step
>3651, dr[0.468,1.353], df[0.739,0.215], g[2.914,0.092]
1/1 [=====] - 0s 85ms/step
>3652, dr[0.596,0.671], df[0.447,0.087], g[3.121,0.401]
1/1 [=====] - 0s 89ms/step
>3653, dr[0.754,0.179], df[0.748,0.260], g[2.852,0.155]
1/1 [=====] - 0s 114ms/step
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>3654, dr[0.817,0.315], df[0.582,0.277], g[2.322,0.141]
1/1 [=====] - 0s 87ms/step
>3655, dr[0.479,0.723], df[1.106,0.337], g[3.038,0.161]
1/1 [=====] - 0s 84ms/step
>3656, dr[0.569,0.392], df[0.181,0.220], g[2.582,0.182]
1/1 [=====] - 0s 79ms/step
>3657, dr[0.509,0.503], df[0.962,0.071], g[3.043,0.030]
1/1 [=====] - 0s 79ms/step
>3658, dr[0.990,0.889], df[0.764,0.014], g[2.258,0.274]
1/1 [=====] - 0s 79ms/step
>3659, dr[0.332,0.666], df[0.421,0.072], g[2.729,0.053]
1/1 [=====] - 0s 83ms/step
>3660, dr[1.056,0.996], df[1.156,0.118], g[2.756,0.117]
1/1 [=====] - 0s 95ms/step
>3661, dr[0.974,0.956], df[0.371,0.184], g[2.150,0.457]
1/1 [=====] - 0s 86ms/step
>3662, dr[0.537,1.199], df[1.115,0.171], g[2.795,0.143]
1/1 [=====] - 0s 91ms/step
>3663, dr[0.504,0.554], df[0.339,0.339], g[3.188,0.512]
1/1 [=====] - 0s 81ms/step
>3664, dr[1.220,0.852], df[0.807,0.885], g[2.673,0.396]
1/1 [=====] - 0s 93ms/step
>3665, dr[0.481,0.700], df[0.566,0.124], g[2.580,0.252]
1/1 [=====] - 0s 79ms/step
>3666, dr[0.652,0.247], df[0.793,0.588], g[2.699,0.225]
1/1 [=====] - 0s 84ms/step
>3667, dr[0.471,0.354], df[0.468,0.023], g[2.368,0.182]
1/1 [=====] - 0s 81ms/step
>3668, dr[1.001,0.598], df[0.982,0.490], g[2.516,0.059]
1/1 [=====] - 0s 89ms/step
>3669, dr[0.543,0.877], df[0.765,0.264], g[3.517,0.130]
1/1 [=====] - 0s 87ms/step
>3670, dr[0.999,0.550], df[0.477,0.107], g[2.851,0.044]
1/1 [=====] - 0s 91ms/step
>3671, dr[0.373,0.113], df[0.811,0.185], g[3.300,0.072]
1/1 [=====] - 0s 89ms/step
>3672, dr[0.864,0.075], df[0.297,0.013], g[2.577,0.013]
1/1 [=====] - 0s 85ms/step
>3673, dr[0.330,0.177], df[0.678,0.379], g[3.101,0.082]
1/1 [=====] - 0s 87ms/step
>3674, dr[0.758,0.758], df[0.727,0.075], g[2.853,0.044]
1/1 [=====] - 0s 87ms/step
>3675, dr[0.742,0.832], df[0.741,0.018], g[2.946,0.336]
1/1 [=====] - 0s 93ms/step
>3676, dr[0.559,1.353], df[0.354,0.090], g[2.579,0.226]
1/1 [=====] - 0s 86ms/step
>3677, dr[0.456,0.633], df[0.603,0.208], g[2.485,0.259]
1/1 [=====] - 0s 89ms/step
>3678, dr[0.608,0.842], df[0.875,0.510], g[2.836,0.097]
1/1 [=====] - 0s 80ms/step
>3679, dr[1.092,1.246], df[0.602,0.079], g[1.702,0.189]
1/1 [=====] - 0s 87ms/step
>3680, dr[0.359,0.771], df[0.589,0.545], g[2.881,0.068]
1/1 [=====] - 0s 86ms/step
>3681, dr[0.293,1.545], df[0.309,0.206], g[3.086,0.376]
1/1 [=====] - 0s 98ms/step
>3682, dr[0.850,0.897], df[0.507,0.224], g[2.298,0.155]
1/1 [=====] - 0s 91ms/step
>3683, dr[0.433,0.952], df[0.820,0.065], g[3.088,0.188]
1/1 [=====] - 0s 96ms/step
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>3684, dr[0.701,0.470], df[0.432,0.040], g[2.870,0.137]
1/1 [=====] - 0s 87ms/step
>3685, dr[0.473,0.422], df[0.489,0.495], g[2.664,0.434]
1/1 [=====] - 0s 87ms/step
>3686, dr[0.465,1.067], df[0.690,0.474], g[3.000,0.100]
1/1 [=====] - 0s 104ms/step
>3687, dr[0.802,0.366], df[0.504,0.379], g[2.927,0.189]
1/1 [=====] - 0s 95ms/step
>3688, dr[0.443,1.221], df[0.396,0.233], g[2.179,0.277]
1/1 [=====] - 0s 111ms/step
>3689, dr[0.389,1.500], df[0.423,0.171], g[2.900,0.265]
1/1 [=====] - 0s 96ms/step
>3690, dr[0.600,0.680], df[0.939,0.206], g[2.850,0.203]
1/1 [=====] - 0s 107ms/step
>3691, dr[0.807,0.776], df[0.792,0.186], g[2.975,0.202]
1/1 [=====] - 0s 100ms/step
>3692, dr[0.824,1.012], df[0.998,0.100], g[2.933,0.141]
1/1 [=====] - 0s 97ms/step
>3693, dr[0.796,0.838], df[0.476,0.018], g[2.350,0.259]
1/1 [=====] - 0s 101ms/step
>3694, dr[0.677,1.332], df[0.824,0.239], g[3.020,0.204]
1/1 [=====] - 0s 100ms/step
>3695, dr[0.893,0.532], df[0.716,0.164], g[2.242,0.796]
1/1 [=====] - 0s 92ms/step
>3696, dr[0.749,0.756], df[0.674,0.086], g[2.754,0.543]
1/1 [=====] - 0s 91ms/step
>3697, dr[0.459,1.390], df[0.562,0.175], g[3.174,0.129]
1/1 [=====] - 0s 96ms/step
>3698, dr[1.071,0.890], df[0.467,0.207], g[2.092,0.736]
1/1 [=====] - 0s 99ms/step
>3699, dr[0.377,1.065], df[1.100,0.108], g[3.455,0.167]
1/1 [=====] - 0s 89ms/step
>3700, dr[0.687,0.945], df[0.283,0.197], g[2.898,0.458]
1/1 [=====] - 0s 98ms/step
>3701, dr[0.608,1.239], df[0.549,0.346], g[1.902,0.205]
1/1 [=====] - 0s 99ms/step
>3702, dr[0.360,0.931], df[0.497,0.184], g[2.358,0.251]
1/1 [=====] - 0s 94ms/step
>3703, dr[0.470,1.042], df[1.258,0.266], g[3.183,0.194]
1/1 [=====] - 0s 96ms/step
>3704, dr[0.869,1.169], df[0.365,0.140], g[2.484,0.325]
1/1 [=====] - 0s 96ms/step
>3705, dr[1.053,0.669], df[0.831,0.293], g[2.377,0.197]
1/1 [=====] - 0s 99ms/step
>3706, dr[0.208,0.629], df[0.417,0.005], g[3.707,0.130]
1/1 [=====] - 0s 98ms/step
>3707, dr[1.082,0.877], df[0.721,0.480], g[2.223,0.118]
1/1 [=====] - 0s 93ms/step
>3708, dr[0.270,0.395], df[0.722,0.026], g[3.419,0.043]
1/1 [=====] - 0s 98ms/step
>3709, dr[0.608,0.626], df[0.439,0.318], g[2.907,0.174]
1/1 [=====] - 0s 93ms/step
>3710, dr[0.556,0.349], df[0.361,0.169], g[2.703,0.184]
1/1 [=====] - 0s 86ms/step
>3711, dr[0.653,0.905], df[0.578,0.154], g[2.146,0.140]
1/1 [=====] - 0s 159ms/step
>3712, dr[0.527,0.770], df[0.883,0.220], g[3.258,0.047]
1/1 [=====] - 0s 110ms/step
>3713, dr[0.939,0.731], df[0.446,0.008], g[2.434,0.274]
1/1 [=====] - 0s 115ms/step
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>3714, dr[0.673,0.502], df[0.758,0.432], g[2.521,0.250]
1/1 [=====] - 0s 96ms/step
>3715, dr[0.685,0.827], df[0.477,0.065], g[2.164,0.407]
1/1 [=====] - 0s 94ms/step
>3716, dr[0.218,1.039], df[0.628,0.436], g[3.038,0.233]
1/1 [=====] - 0s 91ms/step
>3717, dr[1.065,0.358], df[0.570,0.384], g[2.554,0.328]
1/1 [=====] - 0s 86ms/step
>3718, dr[0.869,0.904], df[0.326,0.044], g[1.460,0.292]
1/1 [=====] - 0s 84ms/step
>3719, dr[0.254,1.248], df[1.203,0.102], g[3.198,0.182]
1/1 [=====] - 0s 80ms/step
>3720, dr[1.316,0.572], df[0.339,0.269], g[1.779,0.196]
1/1 [=====] - 0s 78ms/step
>3721, dr[0.304,0.566], df[0.768,0.095], g[2.623,0.214]
1/1 [=====] - 0s 110ms/step
>3722, dr[0.479,0.853], df[0.329,0.066], g[2.908,0.067]
1/1 [=====] - 0s 384ms/step
>3723, dr[0.473,1.528], df[0.445,0.236], g[2.321,0.121]
1/1 [=====] - 0s 309ms/step
>3724, dr[0.612,1.129], df[0.789,0.231], g[2.540,0.167]
1/1 [=====] - 0s 138ms/step
>3725, dr[0.596,0.351], df[0.408,0.004], g[2.564,0.232]
1/1 [=====] - 0s 127ms/step
>3726, dr[0.198,0.629], df[0.667,0.232], g[3.719,0.205]
1/1 [=====] - 0s 131ms/step
>3727, dr[1.657,1.145], df[0.789,0.117], g[2.094,0.054]
1/1 [=====] - 0s 124ms/step
>3728, dr[0.220,0.310], df[0.443,0.002], g[2.483,0.469]
1/1 [=====] - 0s 150ms/step
>3729, dr[0.860,0.618], df[0.802,0.231], g[2.628,0.295]
1/1 [=====] - 0s 130ms/step
>3730, dr[0.669,0.645], df[0.609,0.322], g[2.264,0.080]
1/1 [=====] - 0s 158ms/step
>3731, dr[0.432,0.461], df[0.571,0.011], g[2.627,0.101]
1/1 [=====] - 0s 121ms/step
>3732, dr[0.361,1.347], df[0.445,0.331], g[3.416,0.109]
1/1 [=====] - 0s 146ms/step
>3733, dr[0.809,0.944], df[0.831,0.228], g[2.296,0.102]
1/1 [=====] - 0s 101ms/step
>3734, dr[0.606,1.175], df[0.660,0.359], g[2.603,0.134]
1/1 [=====] - 0s 108ms/step
>3735, dr[0.901,0.873], df[0.962,0.223], g[2.750,0.393]
1/1 [=====] - 0s 126ms/step
>3736, dr[0.639,0.661], df[0.382,0.750], g[2.334,0.444]
1/1 [=====] - 0s 148ms/step
>3737, dr[0.189,0.712], df[0.562,0.095], g[3.481,0.215]
1/1 [=====] - 0s 133ms/step
>3738, dr[0.955,0.816], df[0.411,0.118], g[1.871,0.060]
1/1 [=====] - 0s 114ms/step
>3739, dr[0.336,0.599], df[0.325,0.075], g[2.726,0.325]
1/1 [=====] - 0s 162ms/step
>3740, dr[0.405,0.970], df[0.728,0.124], g[3.202,0.140]
1/1 [=====] - 0s 110ms/step
>3741, dr[0.900,0.471], df[0.892,0.396], g[2.271,0.628]
1/1 [=====] - 0s 108ms/step
>3742, dr[0.605,0.579], df[0.664,0.280], g[2.674,0.118]
1/1 [=====] - 0s 120ms/step
>3743, dr[0.900,0.878], df[0.611,0.244], g[2.479,0.184]
1/1 [=====] - 0s 112ms/step
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>3744, dr[0.551,0.501], df[0.398,0.032], g[2.509,0.146]
1/1 [=====] - 0s 109ms/step
>3745, dr[0.513,0.633], df[0.556,0.084], g[2.182,0.104]
1/1 [=====] - 0s 107ms/step
>3746, dr[0.382,1.223], df[0.550,0.011], g[3.205,0.221]
1/1 [=====] - 0s 106ms/step
>3747, dr[0.831,0.626], df[0.693,0.426], g[2.018,0.108]
1/1 [=====] - 0s 118ms/step
>3748, dr[0.354,0.382], df[0.352,0.098], g[2.096,0.411]
4/4 [=====] - 0s 62ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 97ms/step
>3749, dr[0.391,1.021], df[0.720,0.272], g[2.935,0.229]
1/1 [=====] - 0s 99ms/step
>3750, dr[1.008,0.808], df[0.789,0.044], g[2.207,0.378]
1/1 [=====] - 0s 113ms/step
>3751, dr[0.480,0.171], df[0.374,0.187], g[2.535,0.316]
1/1 [=====] - 0s 95ms/step
>3752, dr[0.716,0.333], df[0.610,0.017], g[2.694,0.092]
1/1 [=====] - 0s 112ms/step
>3753, dr[0.424,1.150], df[0.515,0.380], g[2.733,0.182]
1/1 [=====] - 0s 100ms/step
>3754, dr[0.938,2.201], df[0.647,0.120], g[1.584,0.425]
1/1 [=====] - 0s 94ms/step
>3755, dr[0.426,0.999], df[0.787,0.379], g[2.865,0.815]
1/1 [=====] - 0s 92ms/step
>3756, dr[0.682,1.719], df[0.441,0.459], g[2.342,0.066]
1/1 [=====] - 0s 88ms/step
>3757, dr[0.367,1.267], df[0.386,0.333], g[2.815,0.296]
1/1 [=====] - 0s 147ms/step
>3758, dr[0.744,1.138], df[0.953,0.540], g[2.684,0.229]
1/1 [=====] - 0s 96ms/step
>3759, dr[0.783,0.540], df[0.864,0.198], g[2.899,0.285]
1/1 [=====] - 0s 98ms/step
>3760, dr[0.745,0.279], df[0.580,0.295], g[3.130,0.068]
1/1 [=====] - 0s 90ms/step
>3761, dr[0.599,0.394], df[0.684,0.354], g[3.019,0.073]
1/1 [=====] - 0s 97ms/step
>3762, dr[0.720,0.698], df[0.478,0.140], g[2.995,0.068]
1/1 [=====] - 0s 97ms/step
>3763, dr[0.460,1.457], df[0.516,0.018], g[2.426,0.090]
1/1 [=====] - 0s 119ms/step
>3764, dr[0.400,0.441], df[0.793,0.123], g[3.762,0.204]
1/1 [=====] - 0s 94ms/step
>3765, dr[0.809,0.482], df[0.569,0.125], g[3.591,0.085]
1/1 [=====] - 0s 170ms/step
>3766, dr[0.963,0.454], df[0.738,0.468], g[2.210,0.184]
1/1 [=====] - 0s 302ms/step
>3767, dr[0.447,0.332], df[0.530,0.328], g[2.720,0.141]
1/1 [=====] - 0s 102ms/step
>3768, dr[0.594,0.588], df[0.271,0.317], g[2.805,0.195]
1/1 [=====] - 0s 92ms/step
>3769, dr[0.393,0.595], df[0.757,0.374], g[2.534,0.198]
1/1 [=====] - 0s 95ms/step
>3770, dr[0.654,0.881], df[0.970,0.029], g[2.997,0.184]
1/1 [=====] - 0s 88ms/step
>3771, dr[0.637,0.436], df[0.286,0.274], g[2.854,0.391]
1/1 [=====] - 0s 100ms/step
```

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>3772, dr[0.650,1.421], df[0.435,0.171], g[1.799,0.127]
1/1 [=====] - 0s 96ms/step
>3773, dr[0.290,1.124], df[1.094,0.120], g[3.670,0.288]
1/1 [=====] - 0s 93ms/step
>3774, dr[0.925,1.959], df[0.298,0.330], g[2.816,0.220]
1/1 [=====] - 0s 98ms/step
>3775, dr[0.717,1.539], df[0.585,0.278], g[1.853,0.578]
1/1 [=====] - 0s 97ms/step
>3776, dr[0.581,0.641], df[1.257,0.449], g[2.629,0.417]
1/1 [=====] - 0s 95ms/step
>3777, dr[0.648,0.879], df[0.332,0.293], g[2.508,0.276]
1/1 [=====] - 0s 108ms/step
>3778, dr[0.371,0.891], df[0.709,0.218], g[3.312,0.109]
1/1 [=====] - 0s 98ms/step
>3779, dr[0.662,0.587], df[0.438,0.325], g[3.071,0.104]
1/1 [=====] - 0s 105ms/step
>3780, dr[0.429,0.474], df[0.244,0.169], g[2.328,0.361]
1/1 [=====] - 0s 91ms/step
>3781, dr[0.724,0.564], df[1.237,0.690], g[2.329,0.049]
1/1 [=====] - 0s 113ms/step
>3782, dr[0.755,0.625], df[0.606,0.174], g[2.020,0.304]
1/1 [=====] - 0s 94ms/step
>3783, dr[0.579,0.101], df[0.864,0.337], g[3.179,0.179]
1/1 [=====] - 0s 97ms/step
>3784, dr[1.039,0.610], df[0.609,0.046], g[3.238,0.170]
1/1 [=====] - 0s 112ms/step
>3785, dr[0.738,0.794], df[0.462,0.034], g[2.168,0.057]
1/1 [=====] - 0s 116ms/step
>3786, dr[0.362,1.669], df[0.721,0.006], g[2.830,0.075]
1/1 [=====] - 0s 99ms/step
>3787, dr[0.822,0.986], df[0.450,0.563], g[2.314,0.294]
1/1 [=====] - 0s 86ms/step
>3788, dr[0.368,0.664], df[1.142,0.358], g[4.049,0.246]
1/1 [=====] - 0s 98ms/step
>3789, dr[0.746,0.797], df[0.102,0.234], g[2.710,0.069]
1/1 [=====] - 0s 104ms/step
>3790, dr[0.681,0.841], df[1.212,0.108], g[2.675,0.292]
1/1 [=====] - 0s 116ms/step
>3791, dr[0.944,0.602], df[0.609,0.118], g[2.729,0.220]
1/1 [=====] - 0s 90ms/step
>3792, dr[0.488,0.212], df[0.382,0.034], g[2.218,0.117]
1/1 [=====] - 0s 98ms/step
>3793, dr[0.934,0.554], df[0.860,0.112], g[1.721,0.227]
1/1 [=====] - 0s 129ms/step
>3794, dr[0.289,0.600], df[0.782,0.215], g[3.506,0.160]
1/1 [=====] - 0s 112ms/step
>3795, dr[1.261,1.646], df[0.689,0.290], g[2.611,0.038]
1/1 [=====] - 0s 101ms/step
>3796, dr[0.334,0.403], df[0.392,0.041], g[2.804,0.026]
1/1 [=====] - 0s 97ms/step
>3797, dr[0.614,1.212], df[0.452,0.183], g[2.502,0.397]
1/1 [=====] - 0s 89ms/step
>3798, dr[0.462,1.250], df[0.486,0.104], g[2.238,0.118]
1/1 [=====] - 0s 112ms/step
>3799, dr[0.424,0.932], df[0.567,0.202], g[2.854,0.209]
1/1 [=====] - 0s 117ms/step
>3800, dr[0.476,1.342], df[0.321,0.104], g[2.703,0.117]
1/1 [=====] - 0s 83ms/step
>3801, dr[0.448,1.026], df[0.642,0.204], g[2.700,0.215]
1/1 [=====] - 0s 114ms/step
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>3802, dr[0.911,0.652], df[0.561,0.048], g[2.442,0.118]
1/1 [=====] - 0s 85ms/step
>3803, dr[0.512,0.577], df[0.619,0.202], g[2.150,0.420]
1/1 [=====] - 0s 103ms/step
>3804, dr[0.648,1.767], df[0.940,0.034], g[2.557,0.202]
1/1 [=====] - 0s 89ms/step
>3805, dr[0.395,1.047], df[0.282,0.151], g[2.235,0.223]
1/1 [=====] - 0s 82ms/step
>3806, dr[0.580,1.009], df[0.792,0.141], g[2.428,0.287]
1/1 [=====] - 0s 84ms/step
>3807, dr[0.449,0.372], df[0.399,0.146], g[2.847,0.021]
1/1 [=====] - 0s 90ms/step
>3808, dr[0.519,0.326], df[0.558,0.061], g[2.668,0.103]
1/1 [=====] - 0s 89ms/step
>3809, dr[0.640,0.722], df[0.833,0.305], g[2.902,0.105]
1/1 [=====] - 0s 87ms/step
>3810, dr[0.640,0.798], df[0.374,0.081], g[2.616,0.150]
1/1 [=====] - 0s 94ms/step
>3811, dr[0.615,0.533], df[0.869,0.438], g[2.333,0.179]
1/1 [=====] - 0s 83ms/step
>3812, dr[0.353,0.956], df[0.539,0.018], g[3.125,0.250]
1/1 [=====] - 0s 90ms/step
>3813, dr[1.000,1.065], df[0.846,0.258], g[2.782,0.316]
1/1 [=====] - 0s 89ms/step
>3814, dr[0.636,0.400], df[0.532,0.123], g[2.192,0.112]
1/1 [=====] - 0s 94ms/step
>3815, dr[0.491,0.524], df[0.634,0.223], g[2.066,0.360]
1/1 [=====] - 0s 103ms/step
>3816, dr[0.505,0.471], df[0.663,0.318], g[1.958,0.354]
1/1 [=====] - 0s 87ms/step
>3817, dr[0.493,0.360], df[0.680,0.623], g[2.828,0.122]
1/1 [=====] - 0s 93ms/step
>3818, dr[0.829,1.290], df[0.430,0.012], g[2.323,0.060]
1/1 [=====] - 0s 82ms/step
>3819, dr[0.460,0.944], df[0.848,0.136], g[2.937,0.242]
1/1 [=====] - 0s 89ms/step
>3820, dr[0.805,0.392], df[0.479,0.165], g[2.945,0.100]
1/1 [=====] - 0s 96ms/step
>3821, dr[0.663,0.426], df[0.426,0.105], g[2.035,0.103]
1/1 [=====] - 0s 88ms/step
>3822, dr[0.388,0.663], df[0.711,0.012], g[2.340,0.115]
1/1 [=====] - 0s 98ms/step
>3823, dr[0.353,0.387], df[0.673,0.067], g[3.877,0.406]
1/1 [=====] - 0s 86ms/step
>3824, dr[0.859,0.419], df[0.288,0.136], g[2.639,0.083]
1/1 [=====] - 0s 113ms/step
>3825, dr[0.426,1.105], df[0.702,0.142], g[3.478,0.085]
1/1 [=====] - 0s 94ms/step
>3826, dr[1.117,1.095], df[0.497,0.054], g[1.952,0.299]
1/1 [=====] - 0s 90ms/step
>3827, dr[0.387,0.471], df[0.802,0.076], g[2.439,0.251]
1/1 [=====] - 0s 99ms/step
>3828, dr[0.529,0.917], df[0.480,0.162], g[2.765,0.158]
1/1 [=====] - 0s 97ms/step
>3829, dr[0.475,0.151], df[0.548,0.326], g[2.621,0.071]
1/1 [=====] - 0s 86ms/step
>3830, dr[0.343,0.853], df[0.419,0.133], g[3.723,0.224]
1/1 [=====] - 0s 83ms/step
>3831, dr[1.014,0.664], df[0.698,0.073], g[2.003,0.288]
1/1 [=====] - 0s 84ms/step
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>3832, dr[0.624,0.794], df[0.931,0.348], g[2.930,0.318]
1/1 [=====] - 0s 94ms/step
>3833, dr[0.476,0.360], df[0.228,0.182], g[3.166,0.019]
1/1 [=====] - 0s 108ms/step
>3834, dr[0.758,1.219], df[0.554,0.262], g[2.400,0.257]
1/1 [=====] - 0s 99ms/step
>3835, dr[0.338,0.748], df[0.804,0.354], g[3.130,0.071]
1/1 [=====] - 0s 93ms/step
>3836, dr[1.218,1.011], df[1.037,0.047], g[2.331,0.309]
1/1 [=====] - 0s 106ms/step
>3837, dr[0.515,0.223], df[0.711,0.237], g[2.519,0.102]
1/1 [=====] - 0s 109ms/step
>3838, dr[1.000,0.605], df[0.720,0.101], g[1.382,0.357]
1/1 [=====] - 0s 107ms/step
>3839, dr[0.162,0.297], df[0.647,0.409], g[2.256,0.072]
1/1 [=====] - 0s 99ms/step
>3840, dr[0.799,0.598], df[0.793,0.007], g[2.432,0.717]
1/1 [=====] - 0s 118ms/step
>3841, dr[0.605,0.846], df[0.323,0.264], g[2.688,0.479]
1/1 [=====] - 0s 135ms/step
>3842, dr[0.970,1.178], df[1.140,0.684], g[2.142,0.164]
1/1 [=====] - 0s 118ms/step
>3843, dr[0.647,0.665], df[0.850,0.001], g[3.110,0.585]
1/1 [=====] - 0s 121ms/step
>3844, dr[1.255,0.854], df[0.412,0.478], g[2.471,0.308]
1/1 [=====] - 0s 107ms/step
>3845, dr[0.433,1.343], df[0.853,0.074], g[2.584,0.472]
1/1 [=====] - 0s 115ms/step
>3846, dr[0.809,1.114], df[0.707,0.292], g[2.182,0.211]
1/1 [=====] - 0s 115ms/step
>3847, dr[0.669,1.631], df[0.773,0.109], g[2.676,0.330]
1/1 [=====] - 0s 107ms/step
>3848, dr[0.462,0.302], df[0.482,0.590], g[3.141,0.045]
1/1 [=====] - 0s 110ms/step
>3849, dr[0.762,1.383], df[0.721,0.093], g[2.020,0.100]
1/1 [=====] - 0s 129ms/step
>3850, dr[0.364,0.636], df[0.756,0.290], g[2.780,0.064]
1/1 [=====] - 0s 114ms/step
>3851, dr[0.973,0.577], df[0.531,0.118], g[2.604,0.089]
1/1 [=====] - 0s 98ms/step
>3852, dr[0.537,0.163], df[0.749,0.292], g[2.404,0.050]
1/1 [=====] - 0s 120ms/step
>3853, dr[0.383,0.623], df[0.424,0.195], g[3.110,0.245]
1/1 [=====] - 0s 101ms/step
>3854, dr[0.743,0.897], df[0.575,0.098], g[2.596,0.230]
1/1 [=====] - 0s 113ms/step
>3855, dr[0.448,0.853], df[0.690,0.416], g[2.281,0.100]
1/1 [=====] - 0s 93ms/step
>3856, dr[0.444,0.320], df[0.621,0.145], g[2.678,0.300]
1/1 [=====] - 0s 96ms/step
>3857, dr[0.684,0.133], df[0.516,0.071], g[2.498,0.096]
1/1 [=====] - 0s 113ms/step
>3858, dr[0.729,2.032], df[0.653,0.175], g[1.633,0.397]
1/1 [=====] - 0s 93ms/step
>3859, dr[0.384,0.892], df[0.861,0.141], g[3.271,0.189]
1/1 [=====] - 0s 84ms/step
>3860, dr[0.762,0.848], df[0.315,0.186], g[2.538,0.296]
1/1 [=====] - 0s 108ms/step
>3861, dr[0.620,0.208], df[1.029,0.222], g[2.203,0.182]
1/1 [=====] - 0s 107ms/step
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>3862, dr[0.636,0.306], df[0.484,0.008], g[2.557,0.077]
1/1 [=====] - 0s 86ms/step
>3863, dr[0.478,0.741], df[0.528,0.126], g[2.245,0.083]
1/1 [=====] - 0s 113ms/step
>3864, dr[0.632,1.026], df[0.547,0.107], g[2.114,0.255]
1/1 [=====] - 0s 131ms/step
>3865, dr[0.230,0.521], df[0.429,0.045], g[2.956,0.076]
1/1 [=====] - 0s 111ms/step
>3866, dr[0.970,0.955], df[0.675,0.372], g[1.934,0.099]
1/1 [=====] - 0s 128ms/step
>3867, dr[0.488,0.564], df[0.915,0.576], g[3.133,0.306]
1/1 [=====] - 0s 146ms/step
>3868, dr[0.598,0.377], df[0.243,0.147], g[2.788,0.291]
1/1 [=====] - 0s 135ms/step
>3869, dr[0.722,0.582], df[1.251,0.113], g[2.898,0.305]
1/1 [=====] - 0s 99ms/step
>3870, dr[0.541,1.000], df[0.463,0.052], g[3.646,0.144]
1/1 [=====] - 0s 96ms/step
>3871, dr[1.030,0.767], df[0.746,0.175], g[2.570,0.415]
1/1 [=====] - 0s 101ms/step
>3872, dr[0.468,0.939], df[0.763,0.198], g[3.066,0.280]
1/1 [=====] - 0s 88ms/step
>3873, dr[0.436,0.593], df[0.361,0.021], g[2.709,0.247]
1/1 [=====] - 0s 108ms/step
>3874, dr[0.811,1.130], df[0.996,0.128], g[2.638,0.332]
1/1 [=====] - 0s 94ms/step
>3875, dr[0.824,0.455], df[0.362,0.154], g[2.146,0.171]
1/1 [=====] - 0s 102ms/step
>3876, dr[0.564,0.653], df[0.559,0.087], g[2.223,0.164]
1/1 [=====] - 0s 88ms/step
>3877, dr[0.969,0.680], df[1.645,0.163], g[3.007,0.421]
1/1 [=====] - 0s 101ms/step
>3878, dr[1.235,0.522], df[0.539,0.154], g[2.596,0.251]
1/1 [=====] - 0s 102ms/step
>3879, dr[0.613,0.777], df[0.757,0.148], g[2.219,0.438]
1/1 [=====] - 0s 89ms/step
>3880, dr[0.595,0.600], df[0.512,0.006], g[2.932,0.225]
1/1 [=====] - 0s 102ms/step
>3881, dr[0.403,0.599], df[0.660,0.213], g[3.272,0.216]
1/1 [=====] - 0s 83ms/step
>3882, dr[1.409,0.741], df[0.963,0.006], g[1.470,0.194]
1/1 [=====] - 0s 193ms/step
>3883, dr[0.285,1.523], df[0.436,0.173], g[1.731,0.262]
1/1 [=====] - 0s 91ms/step
>3884, dr[0.547,0.812], df[0.835,0.405], g[3.065,0.039]
1/1 [=====] - 0s 102ms/step
>3885, dr[0.876,0.518], df[0.597,0.021], g[2.508,0.018]
1/1 [=====] - 0s 104ms/step
>3886, dr[0.473,0.387], df[0.414,0.177], g[2.545,0.253]
1/1 [=====] - 0s 133ms/step
>3887, dr[0.439,0.738], df[0.608,0.162], g[2.861,0.188]
1/1 [=====] - 0s 116ms/step
>3888, dr[0.725,1.016], df[0.477,0.350], g[2.526,0.581]
1/1 [=====] - 0s 100ms/step
>3889, dr[0.510,0.545], df[0.697,0.089], g[2.536,0.013]
1/1 [=====] - 0s 94ms/step
>3890, dr[0.493,1.636], df[0.482,0.034], g[2.625,0.111]
1/1 [=====] - 0s 98ms/step
>3891, dr[0.715,1.415], df[0.691,0.252], g[2.799,0.187]
1/1 [=====] - 0s 109ms/step
```

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>3892, dr[1.335,0.371], df[1.313,0.286], g[2.178,0.132]
1/1 [=====] - 0s 112ms/step
>3893, dr[0.483,1.196], df[0.647,0.224], g[2.515,0.159]
1/1 [=====] - 0s 101ms/step
>3894, dr[0.720,0.908], df[0.552,0.122], g[2.496,0.109]
1/1 [=====] - 0s 103ms/step
>3895, dr[0.598,0.714], df[0.571,0.105], g[2.541,0.049]
1/1 [=====] - 0s 94ms/step
>3896, dr[0.487,0.518], df[0.356,0.226], g[2.530,0.193]
1/1 [=====] - 0s 99ms/step
>3897, dr[0.523,0.184], df[0.776,0.039], g[2.113,0.282]
1/1 [=====] - 0s 102ms/step
>3898, dr[0.510,0.336], df[0.512,0.099], g[2.756,0.100]
1/1 [=====] - 0s 107ms/step
>3899, dr[0.312,1.229], df[0.423,0.182], g[3.362,0.271]
1/1 [=====] - 0s 99ms/step
>3900, dr[0.979,1.212], df[0.882,0.269], g[2.240,0.383]
1/1 [=====] - 0s 107ms/step
>3901, dr[0.766,0.971], df[0.866,0.267], g[2.641,0.173]
1/1 [=====] - 0s 107ms/step
>3902, dr[0.658,0.961], df[0.663,0.171], g[3.290,0.283]
1/1 [=====] - 0s 99ms/step
>3903, dr[0.649,0.667], df[0.633,0.456], g[2.480,0.187]
1/1 [=====] - 0s 101ms/step
>3904, dr[0.431,0.982], df[0.394,0.031], g[2.519,0.224]
1/1 [=====] - 0s 97ms/step
>3905, dr[0.429,0.966], df[0.440,0.065], g[2.066,0.194]
1/1 [=====] - 0s 99ms/step
>3906, dr[0.756,1.617], df[1.291,0.027], g[2.234,0.163]
1/1 [=====] - 0s 114ms/step
>3907, dr[0.398,0.565], df[0.360,0.330], g[3.262,0.158]
1/1 [=====] - 0s 94ms/step
>3908, dr[0.566,0.440], df[0.488,0.629], g[2.881,0.190]
1/1 [=====] - 0s 115ms/step
>3909, dr[0.646,0.205], df[0.812,0.087], g[3.001,0.086]
1/1 [=====] - 0s 93ms/step
>3910, dr[0.969,1.000], df[0.837,0.262], g[2.272,0.240]
1/1 [=====] - 0s 102ms/step
>3911, dr[0.545,0.706], df[0.734,0.317], g[3.284,0.057]
1/1 [=====] - 0s 211ms/step
>3912, dr[0.863,0.629], df[0.428,0.206], g[2.761,0.148]
1/1 [=====] - 0s 86ms/step
>3913, dr[0.471,0.436], df[0.592,0.142], g[2.950,0.261]
1/1 [=====] - 0s 215ms/step
>3914, dr[1.117,1.483], df[0.670,0.107], g[2.235,0.193]
1/1 [=====] - 0s 258ms/step
>3915, dr[0.351,1.305], df[0.887,0.055], g[2.285,0.204]
1/1 [=====] - 0s 102ms/step
>3916, dr[0.766,0.442], df[0.604,0.216], g[2.586,0.330]
1/1 [=====] - 0s 105ms/step
>3917, dr[0.425,0.412], df[0.618,0.133], g[2.877,0.179]
1/1 [=====] - 0s 89ms/step
>3918, dr[0.776,0.740], df[0.700,0.116], g[2.642,0.217]
1/1 [=====] - 0s 104ms/step
>3919, dr[0.896,0.471], df[0.813,0.257], g[2.248,0.284]
1/1 [=====] - 0s 115ms/step
>3920, dr[0.291,0.593], df[0.395,0.024], g[3.297,0.108]
1/1 [=====] - 0s 110ms/step
>3921, dr[0.783,0.562], df[0.372,1.015], g[2.174,0.301]
1/1 [=====] - 0s 93ms/step
```

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>3922, dr[0.420,0.652], df[1.147,0.115], g[2.994,0.108]
1/1 [=====] - 0s 116ms/step
>3923, dr[0.555,0.938], df[0.505,0.208], g[3.661,0.274]
1/1 [=====] - 0s 99ms/step
>3924, dr[1.404,1.000], df[0.743,0.011], g[1.574,0.295]
1/1 [=====] - 0s 92ms/step
>3925, dr[0.443,1.182], df[0.810,0.366], g[2.536,0.174]
1/1 [=====] - 0s 93ms/step
>3926, dr[0.525,1.960], df[0.562,0.192], g[3.327,0.125]
1/1 [=====] - 0s 95ms/step
>3927, dr[0.598,1.464], df[0.519,0.741], g[2.928,0.220]
1/1 [=====] - 0s 105ms/step
>3928, dr[1.123,0.432], df[0.653,0.465], g[1.936,0.203]
1/1 [=====] - 0s 103ms/step
>3929, dr[0.309,0.880], df[0.776,0.499], g[2.794,0.252]
1/1 [=====] - 0s 114ms/step
>3930, dr[1.430,0.324], df[1.188,0.575], g[1.966,0.282]
1/1 [=====] - 0s 91ms/step
>3931, dr[0.341,0.665], df[0.339,0.030], g[2.485,0.319]
1/1 [=====] - 0s 104ms/step
>3932, dr[0.709,0.276], df[0.720,0.174], g[2.381,0.170]
1/1 [=====] - 0s 88ms/step
>3933, dr[0.596,0.606], df[0.554,0.164], g[2.718,0.083]
1/1 [=====] - 0s 135ms/step
>3934, dr[0.689,1.010], df[0.425,0.095], g[2.448,0.095]
1/1 [=====] - 0s 137ms/step
>3935, dr[0.452,1.369], df[0.838,0.036], g[3.015,0.183]
1/1 [=====] - 0s 104ms/step
>3936, dr[0.992,0.797], df[0.735,0.029], g[3.135,0.229]
1/1 [=====] - 0s 112ms/step
>3937, dr[0.653,1.057], df[0.910,0.008], g[2.702,0.144]
1/1 [=====] - 0s 120ms/step
>3938, dr[1.458,1.327], df[0.649,0.022], g[1.777,0.371]
1/1 [=====] - 0s 94ms/step
>3939, dr[0.435,0.109], df[0.889,0.289], g[2.165,0.153]
1/1 [=====] - 0s 97ms/step
>3940, dr[0.367,0.690], df[0.214,0.075], g[2.599,0.055]
1/1 [=====] - 0s 100ms/step
>3941, dr[0.986,1.366], df[0.779,0.034], g[1.712,0.230]
1/1 [=====] - 0s 80ms/step
>3942, dr[0.472,0.807], df[1.042,0.564], g[3.258,0.149]
1/1 [=====] - 0s 83ms/step
>3943, dr[0.520,0.220], df[0.230,0.312], g[3.100,0.265]
1/1 [=====] - 0s 89ms/step
>3944, dr[1.451,0.303], df[1.253,0.284], g[2.193,0.387]
1/1 [=====] - 0s 92ms/step
>3945, dr[0.515,0.759], df[0.522,0.178], g[3.100,0.140]
1/1 [=====] - 0s 97ms/step
>3946, dr[0.889,0.396], df[0.722,0.167], g[2.276,0.081]
1/1 [=====] - 0s 92ms/step
>3947, dr[0.716,2.482], df[0.993,0.127], g[2.847,0.274]
1/1 [=====] - 0s 88ms/step
>3948, dr[0.942,0.730], df[0.618,0.092], g[2.617,0.405]
1/1 [=====] - 0s 95ms/step
>3949, dr[0.805,1.705], df[1.049,0.119], g[2.394,0.250]
1/1 [=====] - 0s 116ms/step
>3950, dr[0.528,1.085], df[0.513,0.152], g[3.275,0.188]
1/1 [=====] - 0s 85ms/step
>3951, dr[0.713,0.473], df[0.510,0.067], g[2.211,0.280]
1/1 [=====] - 0s 83ms/step
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>3952, dr[0.289,1.119], df[0.518,0.315], g[2.826,0.110]
1/1 [=====] - 0s 101ms/step
>3953, dr[0.782,0.677], df[0.498,0.118], g[2.311,0.156]
1/1 [=====] - 0s 101ms/step
>3954, dr[0.774,1.138], df[1.024,0.320], g[2.584,0.056]
1/1 [=====] - 0s 86ms/step
>3955, dr[0.715,0.534], df[0.526,0.011], g[2.812,0.263]
1/1 [=====] - 0s 142ms/step
>3956, dr[0.588,0.290], df[0.787,0.156], g[2.794,0.455]
1/1 [=====] - 0s 106ms/step
>3957, dr[0.720,1.176], df[0.597,0.255], g[2.755,0.095]
1/1 [=====] - 0s 103ms/step
>3958, dr[0.526,0.158], df[0.634,0.416], g[2.668,0.075]
1/1 [=====] - 0s 100ms/step
>3959, dr[0.627,0.384], df[0.369,0.360], g[2.251,0.198]
1/1 [=====] - 0s 110ms/step
>3960, dr[0.633,0.652], df[0.748,0.117], g[2.123,0.256]
1/1 [=====] - 0s 100ms/step
>3961, dr[0.679,1.214], df[0.476,0.245], g[2.219,0.103]
1/1 [=====] - 0s 117ms/step
>3962, dr[0.398,0.773], df[0.654,0.145], g[2.964,0.190]
1/1 [=====] - 0s 119ms/step
>3963, dr[0.832,0.689], df[0.857,0.111], g[2.864,0.280]
1/1 [=====] - 0s 106ms/step
>3964, dr[0.510,0.664], df[0.441,0.097], g[2.461,0.211]
1/1 [=====] - 0s 241ms/step
>3965, dr[1.030,1.230], df[1.195,0.017], g[2.591,0.215]
1/1 [=====] - 0s 141ms/step
>3966, dr[0.779,1.573], df[0.979,0.148], g[2.220,0.099]
1/1 [=====] - 0s 140ms/step
>3967, dr[0.785,0.699], df[0.655,0.399], g[2.741,0.222]
1/1 [=====] - 0s 99ms/step
>3968, dr[0.660,0.298], df[0.626,0.027], g[2.488,0.065]
1/1 [=====] - 0s 98ms/step
>3969, dr[0.585,0.256], df[0.539,0.040], g[2.347,0.157]
1/1 [=====] - 0s 97ms/step
>3970, dr[0.691,1.175], df[0.647,0.428], g[2.099,0.039]
1/1 [=====] - 0s 102ms/step
>3971, dr[0.748,0.827], df[1.272,0.018], g[2.526,0.208]
1/1 [=====] - 0s 105ms/step
>3972, dr[0.620,0.499], df[0.668,0.335], g[3.500,0.104]
1/1 [=====] - 0s 94ms/step
>3973, dr[1.107,0.913], df[0.661,0.385], g[2.568,0.184]
1/1 [=====] - 0s 101ms/step
>3974, dr[0.668,0.862], df[1.000,0.059], g[3.425,0.161]
1/1 [=====] - 0s 101ms/step
>3975, dr[1.145,1.171], df[0.547,0.019], g[1.917,0.211]
1/1 [=====] - 0s 98ms/step
>3976, dr[0.546,0.466], df[0.926,0.019], g[2.326,0.138]
1/1 [=====] - 0s 99ms/step
>3977, dr[0.693,1.085], df[0.959,0.185], g[3.183,0.426]
1/1 [=====] - 0s 97ms/step
>3978, dr[1.122,0.551], df[0.360,0.058], g[2.128,0.268]
1/1 [=====] - 0s 113ms/step
>3979, dr[0.163,0.353], df[0.605,0.149], g[2.859,0.170]
1/1 [=====] - 0s 115ms/step
>3980, dr[0.727,0.083], df[0.342,0.019], g[2.538,0.322]
1/1 [=====] - 0s 112ms/step
>3981, dr[0.730,1.256], df[1.131,0.148], g[2.036,0.182]
1/1 [=====] - 0s 98ms/step
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>3982, dr[0.392,0.701], df[0.531,0.130], g[3.944,0.148]
1/1 [=====] - 0s 95ms/step
>3983, dr[0.998,0.762], df[0.595,0.103], g[2.513,0.192]
1/1 [=====] - 0s 108ms/step
>3984, dr[0.523,0.400], df[0.846,0.071], g[2.948,0.125]
1/1 [=====] - 0s 95ms/step
>3985, dr[0.607,1.028], df[0.404,0.190], g[2.143,0.139]
1/1 [=====] - 0s 96ms/step
>3986, dr[0.771,0.732], df[1.030,0.048], g[2.295,0.346]
1/1 [=====] - 0s 104ms/step
>3987, dr[0.538,1.006], df[0.475,0.073], g[2.647,0.073]
1/1 [=====] - 0s 104ms/step
>3988, dr[0.920,0.982], df[0.840,0.021], g[2.325,0.083]
1/1 [=====] - 0s 107ms/step
>3989, dr[0.500,0.898], df[0.961,0.082], g[2.964,0.443]
1/1 [=====] - 0s 114ms/step
>3990, dr[0.826,0.970], df[0.680,0.137], g[2.762,0.224]
1/1 [=====] - 0s 114ms/step
>3991, dr[1.027,0.862], df[1.123,0.400], g[2.805,0.193]
1/1 [=====] - 0s 99ms/step
>3992, dr[0.817,0.695], df[0.863,0.140], g[2.717,0.290]
1/1 [=====] - 0s 110ms/step
>3993, dr[0.611,0.211], df[0.375,0.403], g[2.299,0.226]
1/1 [=====] - 0s 106ms/step
>3994, dr[0.756,0.342], df[0.795,0.117], g[2.557,0.154]
1/1 [=====] - 0s 101ms/step
>3995, dr[0.386,1.041], df[0.442,0.336], g[2.515,0.236]
1/1 [=====] - 0s 94ms/step
>3996, dr[1.025,0.213], df[0.930,0.123], g[2.239,0.145]
1/1 [=====] - 0s 96ms/step
>3997, dr[0.255,0.692], df[0.613,0.004], g[3.951,0.136]
1/1 [=====] - 0s 81ms/step
>3998, dr[1.377,0.822], df[0.346,0.091], g[1.963,0.188]
1/1 [=====] - 0s 132ms/step
>3999, dr[0.536,1.729], df[1.652,0.152], g[2.760,0.387]
1/1 [=====] - 0s 123ms/step
>4000, dr[0.814,0.894], df[0.530,0.620], g[2.853,0.138]
1/1 [=====] - 0s 114ms/step
>4001, dr[0.765,0.471], df[0.493,0.782], g[2.151,0.227]
1/1 [=====] - 0s 91ms/step
>4002, dr[0.528,0.231], df[1.126,0.411], g[2.878,0.279]
1/1 [=====] - 0s 93ms/step
>4003, dr[1.428,0.805], df[1.205,0.451], g[2.827,0.086]
1/1 [=====] - 0s 94ms/step
>4004, dr[0.371,0.475], df[0.387,0.511], g[3.224,0.184]
1/1 [=====] - 0s 87ms/step
>4005, dr[1.167,0.862], df[0.836,0.305], g[2.079,0.292]
1/1 [=====] - 0s 143ms/step
>4006, dr[0.238,0.504], df[0.594,0.301], g[2.716,0.160]
1/1 [=====] - 0s 97ms/step
>4007, dr[0.993,0.767], df[0.774,0.127], g[2.251,0.241]
1/1 [=====] - 0s 126ms/step
>4008, dr[0.461,0.534], df[0.660,0.019], g[3.047,0.116]
1/1 [=====] - 0s 93ms/step
>4009, dr[0.650,1.391], df[0.377,0.616], g[2.375,0.349]
1/1 [=====] - 0s 97ms/step
>4010, dr[0.756,0.318], df[0.708,0.083], g[1.715,0.133]
1/1 [=====] - 0s 104ms/step
>4011, dr[0.524,1.256], df[0.667,0.243], g[2.358,0.213]
1/1 [=====] - 0s 96ms/step
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>4012, dr[0.535,0.482], df[0.519,0.032], g[3.189,0.153]
1/1 [=====] - 0s 110ms/step
>4013, dr[0.709,0.798], df[0.526,0.177], g[2.449,0.110]
1/1 [=====] - 0s 97ms/step
>4014, dr[0.276,0.700], df[0.678,0.174], g[3.217,0.076]
1/1 [=====] - 0s 96ms/step
>4015, dr[1.251,0.818], df[0.767,0.047], g[2.336,0.319]
1/1 [=====] - 0s 96ms/step
>4016, dr[0.318,0.160], df[0.604,0.659], g[3.010,0.290]
1/1 [=====] - 0s 100ms/step
>4017, dr[0.821,0.216], df[0.713,0.152], g[2.957,0.195]
1/1 [=====] - 0s 119ms/step
>4018, dr[0.815,0.349], df[0.651,0.079], g[2.986,0.260]
1/1 [=====] - 0s 115ms/step
>4019, dr[0.512,1.224], df[0.781,0.474], g[3.856,0.380]
1/1 [=====] - 0s 121ms/step
>4020, dr[0.765,1.028], df[0.698,0.561], g[3.056,0.051]
1/1 [=====] - 0s 113ms/step
>4021, dr[0.611,0.629], df[0.356,0.249], g[2.179,0.050]
1/1 [=====] - 0s 127ms/step
>4022, dr[0.513,0.637], df[1.035,0.083], g[2.541,0.235]
1/1 [=====] - 0s 262ms/step
>4023, dr[0.453,0.256], df[0.274,0.172], g[2.773,0.209]
1/1 [=====] - 0s 93ms/step
>4024, dr[1.072,0.872], df[0.903,0.065], g[2.497,0.088]
1/1 [=====] - 0s 112ms/step
>4025, dr[0.396,0.230], df[0.535,0.228], g[3.026,0.337]
1/1 [=====] - 0s 105ms/step
>4026, dr[0.708,0.510], df[0.386,0.256], g[2.383,0.153]
1/1 [=====] - 0s 95ms/step
>4027, dr[0.560,0.220], df[0.648,0.115], g[2.111,0.371]
1/1 [=====] - 0s 120ms/step
>4028, dr[0.472,1.159], df[0.598,0.335], g[2.815,0.113]
1/1 [=====] - 0s 229ms/step
>4029, dr[1.258,0.367], df[0.922,0.135], g[1.991,0.287]
1/1 [=====] - 0s 146ms/step
>4030, dr[0.620,0.963], df[0.642,0.287], g[2.215,0.101]
1/1 [=====] - 0s 164ms/step
>4031, dr[0.548,1.360], df[0.884,0.152], g[2.492,0.017]
1/1 [=====] - 0s 108ms/step
>4032, dr[0.774,0.174], df[0.813,0.018], g[2.732,0.166]
1/1 [=====] - 0s 133ms/step
>4033, dr[0.769,0.669], df[0.504,0.089], g[2.158,0.130]
1/1 [=====] - 0s 128ms/step
>4034, dr[0.962,0.321], df[1.282,0.147], g[2.229,0.068]
1/1 [=====] - 0s 126ms/step
>4035, dr[1.022,0.671], df[0.629,0.379], g[2.630,0.086]
1/1 [=====] - 0s 99ms/step
>4036, dr[0.732,0.479], df[1.015,0.183], g[3.354,0.148]
1/1 [=====] - 0s 105ms/step
>4037, dr[0.812,0.541], df[0.414,0.442], g[2.049,0.182]
1/1 [=====] - 0s 108ms/step
>4038, dr[0.728,1.300], df[1.090,0.425], g[2.536,0.377]
1/1 [=====] - 0s 96ms/step
>4039, dr[0.393,0.288], df[0.253,0.195], g[2.721,0.407]
1/1 [=====] - 0s 95ms/step
>4040, dr[0.651,0.626], df[1.080,0.140], g[2.792,0.157]
1/1 [=====] - 0s 93ms/step
>4041, dr[0.916,0.754], df[0.557,0.733], g[2.208,0.155]
1/1 [=====] - 0s 104ms/step
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>4042, dr[0.555,0.796], df[1.236,0.156], g[3.082,0.169]
1/1 [=====] - 0s 116ms/step
>4043, dr[1.169,1.463], df[0.564,0.250], g[2.758,0.262]
1/1 [=====] - 0s 95ms/step
>4044, dr[0.979,0.897], df[1.029,0.165], g[2.202,0.290]
1/1 [=====] - 0s 87ms/step
>4045, dr[0.693,0.991], df[0.821,0.171], g[2.904,0.138]
1/1 [=====] - 0s 98ms/step
>4046, dr[1.335,0.780], df[1.187,0.202], g[2.034,0.095]
1/1 [=====] - 0s 99ms/step
>4047, dr[0.430,0.505], df[0.474,0.317], g[2.663,0.006]
1/1 [=====] - 0s 109ms/step
>4048, dr[0.997,0.921], df[0.513,0.042], g[1.642,0.142]
1/1 [=====] - 0s 99ms/step
>4049, dr[0.652,0.933], df[0.959,0.068], g[1.807,0.442]
1/1 [=====] - 0s 91ms/step
>4050, dr[0.520,0.714], df[0.737,0.161], g[2.467,0.303]
1/1 [=====] - 0s 95ms/step
>4051, dr[0.958,0.412], df[1.071,0.113], g[2.190,0.140]
1/1 [=====] - 0s 97ms/step
>4052, dr[0.366,0.915], df[0.620,0.215], g[2.671,0.180]
1/1 [=====] - 0s 112ms/step
>4053, dr[1.146,0.620], df[0.957,0.104], g[3.000,0.019]
1/1 [=====] - 0s 88ms/step
>4054, dr[0.677,0.571], df[0.643,0.068], g[2.697,0.072]
1/1 [=====] - 0s 112ms/step
>4055, dr[0.501,0.824], df[0.380,0.080], g[2.023,0.100]
1/1 [=====] - 0s 115ms/step
>4056, dr[0.609,0.672], df[0.752,0.349], g[2.850,0.152]
1/1 [=====] - 0s 101ms/step
>4057, dr[0.456,1.107], df[0.445,0.144], g[2.828,0.253]
1/1 [=====] - 0s 127ms/step
>4058, dr[0.925,0.504], df[0.713,0.057], g[1.959,0.353]
1/1 [=====] - 0s 100ms/step
>4059, dr[0.664,0.994], df[0.991,0.067], g[2.763,0.227]
1/1 [=====] - 0s 114ms/step
>4060, dr[0.634,0.181], df[0.709,0.493], g[2.692,0.312]
1/1 [=====] - 0s 93ms/step
>4061, dr[1.036,1.044], df[0.622,0.215], g[2.450,0.130]
1/1 [=====] - 0s 103ms/step
>4062, dr[0.446,0.892], df[1.064,0.310], g[3.425,0.183]
1/1 [=====] - 0s 155ms/step
>4063, dr[0.993,0.932], df[0.459,0.036], g[2.186,0.043]
1/1 [=====] - 0s 220ms/step
>4064, dr[0.362,1.153], df[0.789,0.009], g[3.143,0.260]
1/1 [=====] - 0s 203ms/step
>4065, dr[0.926,1.336], df[0.836,0.041], g[2.253,0.137]
1/1 [=====] - 0s 134ms/step
>4066, dr[0.630,1.671], df[0.838,0.323], g[2.831,0.061]
1/1 [=====] - 0s 125ms/step
>4067, dr[0.815,0.984], df[0.555,0.106], g[2.084,0.179]
1/1 [=====] - 0s 179ms/step
>4068, dr[0.811,0.749], df[0.999,0.028], g[2.314,0.344]
1/1 [=====] - 0s 124ms/step
>4069, dr[0.630,1.223], df[0.549,0.485], g[2.837,0.359]
1/1 [=====] - 0s 108ms/step
>4070, dr[0.938,0.687], df[0.716,0.120], g[2.027,0.235]
1/1 [=====] - 0s 157ms/step
>4071, dr[0.499,0.705], df[0.550,0.152], g[2.278,0.288]
1/1 [=====] - 0s 111ms/step
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>4072, dr[0.614,0.447], df[0.670,0.367], g[2.548,0.259]
1/1 [=====] - 0s 149ms/step
>4073, dr[0.719,0.324], df[0.503,0.330], g[2.500,0.149]
1/1 [=====] - 0s 121ms/step
>4074, dr[0.603,0.337], df[0.593,0.028], g[2.548,0.055]
1/1 [=====] - 0s 263ms/step
>4075, dr[1.124,0.929], df[1.065,0.061], g[2.064,0.275]
1/1 [=====] - 1s 553ms/step
>4076, dr[0.409,0.222], df[0.691,0.257], g[3.534,0.153]
1/1 [=====] - 1s 813ms/step
>4077, dr[1.011,1.213], df[0.566,0.066], g[1.771,0.214]
1/1 [=====] - 0s 281ms/step
>4078, dr[0.563,0.113], df[0.648,0.182], g[2.306,0.169]
1/1 [=====] - 0s 283ms/step
>4079, dr[0.714,0.680], df[0.521,0.011], g[3.037,0.077]
1/1 [=====] - 0s 298ms/step
>4080, dr[0.504,0.564], df[0.654,0.096], g[2.347,0.137]
1/1 [=====] - 0s 221ms/step
>4081, dr[0.568,1.449], df[0.710,0.045], g[2.447,0.060]
1/1 [=====] - 0s 181ms/step
>4082, dr[1.124,0.762], df[1.120,0.102], g[2.009,0.055]
1/1 [=====] - 0s 179ms/step
>4083, dr[0.676,0.604], df[0.777,0.064], g[2.591,0.321]
1/1 [=====] - 0s 140ms/step
>4084, dr[0.586,1.279], df[0.925,0.241], g[2.804,0.210]
1/1 [=====] - 0s 118ms/step
>4085, dr[0.997,1.181], df[0.782,0.174], g[2.811,0.244]
1/1 [=====] - 0s 111ms/step
>4086, dr[0.561,0.412], df[0.311,0.270], g[2.185,0.154]
1/1 [=====] - 0s 114ms/step
>4087, dr[0.548,0.305], df[0.751,0.400], g[2.104,0.085]
1/1 [=====] - 0s 159ms/step
>4088, dr[0.574,1.641], df[0.631,0.310], g[2.372,0.406]
1/1 [=====] - 0s 145ms/step
>4089, dr[1.072,1.217], df[1.164,0.227], g[2.879,0.483]
1/1 [=====] - 0s 220ms/step
>4090, dr[0.678,0.654], df[0.435,0.204], g[2.608,0.071]
1/1 [=====] - 0s 150ms/step
>4091, dr[0.580,0.614], df[0.662,0.331], g[2.773,0.133]
1/1 [=====] - 0s 176ms/step
>4092, dr[0.889,1.675], df[0.754,0.396], g[2.903,0.157]
1/1 [=====] - 0s 197ms/step
>4093, dr[0.900,0.737], df[1.098,0.079], g[2.851,0.141]
1/1 [=====] - 0s 137ms/step
>4094, dr[1.070,1.501], df[0.824,0.184], g[1.796,0.110]
1/1 [=====] - 0s 131ms/step
>4095, dr[0.489,0.614], df[0.360,0.321], g[2.877,0.306]
1/1 [=====] - 0s 136ms/step
>4096, dr[0.687,1.149], df[0.670,0.024], g[2.261,0.651]
1/1 [=====] - 0s 118ms/step
>4097, dr[1.026,0.705], df[0.737,0.067], g[1.916,0.199]
1/1 [=====] - 0s 122ms/step
>4098, dr[0.853,0.390], df[0.793,0.043], g[2.346,0.267]
1/1 [=====] - 0s 195ms/step
>4099, dr[0.377,1.390], df[0.591,0.137], g[2.921,0.144]
1/1 [=====] - 0s 171ms/step
>4100, dr[1.233,0.296], df[0.852,0.052], g[2.600,0.477]
1/1 [=====] - 0s 159ms/step
>4101, dr[0.649,1.523], df[0.554,0.015], g[2.553,0.401]
1/1 [=====] - 0s 135ms/step
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>4102, dr[0.931,2.188], df[1.022,0.098], g[2.393,0.115]
1/1 [=====] - 0s 124ms/step
>4103, dr[0.653,0.653], df[0.677,0.187], g[2.606,0.140]
1/1 [=====] - 0s 127ms/step
>4104, dr[0.678,0.295], df[0.741,0.142], g[2.896,0.255]
1/1 [=====] - 0s 142ms/step
>4105, dr[0.953,0.877], df[0.718,0.069], g[2.585,0.107]
1/1 [=====] - 0s 407ms/step
>4106, dr[0.619,1.514], df[0.864,0.121], g[2.386,0.213]
1/1 [=====] - 0s 122ms/step
>4107, dr[0.562,0.326], df[0.491,0.202], g[2.867,0.440]
1/1 [=====] - 0s 125ms/step
>4108, dr[0.916,1.269], df[0.974,0.398], g[2.549,0.149]
1/1 [=====] - 0s 118ms/step
>4109, dr[0.630,0.908], df[0.773,0.317], g[2.075,0.191]
1/1 [=====] - 0s 118ms/step
>4110, dr[0.867,0.971], df[0.934,0.129], g[3.033,0.238]
1/1 [=====] - 0s 143ms/step
>4111, dr[0.986,0.360], df[0.563,0.159], g[1.733,0.173]
1/1 [=====] - 0s 114ms/step
>4112, dr[0.537,0.555], df[1.095,0.097], g[2.717,0.288]
1/1 [=====] - 0s 164ms/step
>4113, dr[0.991,0.661], df[0.469,0.412], g[2.394,0.272]
1/1 [=====] - 0s 141ms/step
>4114, dr[0.725,1.451], df[0.653,0.154], g[1.897,0.135]
1/1 [=====] - 0s 168ms/step
>4115, dr[0.538,0.881], df[0.656,0.110], g[2.828,0.204]
1/1 [=====] - 0s 131ms/step
>4116, dr[0.746,0.939], df[0.724,0.217], g[2.579,0.109]
1/1 [=====] - 0s 204ms/step
>4117, dr[0.624,0.747], df[0.915,0.321], g[2.473,0.177]
1/1 [=====] - 0s 135ms/step
>4118, dr[0.905,1.035], df[0.528,0.206], g[2.278,0.212]
1/1 [=====] - 0s 146ms/step
>4119, dr[0.603,0.254], df[0.919,0.095], g[3.091,0.249]
1/1 [=====] - 0s 99ms/step
>4120, dr[0.578,1.864], df[0.383,0.058], g[2.975,0.236]
1/1 [=====] - 0s 139ms/step
>4121, dr[1.206,1.026], df[1.244,0.214], g[2.607,0.349]
1/1 [=====] - 1s 1s/step
>4122, dr[0.581,2.031], df[0.606,0.054], g[2.198,0.070]
1/1 [=====] - 0s 133ms/step
>4123, dr[0.525,0.637], df[0.468,0.217], g[2.136,0.173]
1/1 [=====] - 0s 231ms/step
>4124, dr[0.363,0.975], df[0.744,0.181], g[3.137,0.069]
1/1 [=====] - 0s 119ms/step
>4125, dr[0.799,0.701], df[0.520,0.054], g[2.402,0.146]
1/1 [=====] - 0s 166ms/step
>4126, dr[0.527,1.731], df[0.799,0.119], g[2.631,0.203]
1/1 [=====] - 0s 171ms/step
>4127, dr[0.445,0.577], df[0.344,0.168], g[2.416,0.292]
1/1 [=====] - 0s 423ms/step
>4128, dr[0.559,1.179], df[0.915,0.031], g[3.011,0.168]
1/1 [=====] - 0s 155ms/step
>4129, dr[0.873,0.862], df[0.701,0.018], g[1.975,0.053]
1/1 [=====] - 0s 130ms/step
>4130, dr[0.467,1.551], df[0.909,0.294], g[3.059,0.068]
1/1 [=====] - 0s 163ms/step
>4131, dr[1.372,0.512], df[0.750,0.236], g[2.548,0.138]
1/1 [=====] - 1s 549ms/step
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>4132, dr[0.530,0.802], df[1.096,0.259], g[3.427,0.185]
1/1 [=====] - 0s 137ms/step
>4133, dr[0.960,1.078], df[0.445,0.033], g[2.213,0.156]
1/1 [=====] - 0s 123ms/step
>4134, dr[0.731,0.641], df[1.497,0.503], g[3.088,0.035]
1/1 [=====] - 0s 116ms/step
>4135, dr[0.896,1.624], df[0.544,0.016], g[2.674,0.175]
1/1 [=====] - 0s 131ms/step
>4136, dr[1.345,0.328], df[1.132,0.397], g[2.012,0.120]
1/1 [=====] - 1s 834ms/step
>4137, dr[0.454,0.895], df[0.474,0.469], g[2.457,0.174]
1/1 [=====] - 0s 158ms/step
>4138, dr[0.779,2.256], df[0.832,0.047], g[3.161,0.223]
1/1 [=====] - 0s 93ms/step
>4139, dr[0.800,0.976], df[0.635,0.326], g[2.247,0.210]
1/1 [=====] - 0s 116ms/step
>4140, dr[0.574,0.703], df[0.849,0.091], g[2.950,0.439]
1/1 [=====] - 0s 162ms/step
>4141, dr[0.879,1.135], df[0.392,0.050], g[2.174,0.119]
1/1 [=====] - 0s 95ms/step
>4142, dr[0.582,1.121], df[0.803,0.285], g[1.930,0.111]
1/1 [=====] - 0s 106ms/step
>4143, dr[0.553,1.232], df[0.858,0.219], g[3.284,0.102]
1/1 [=====] - 0s 138ms/step
>4144, dr[1.199,1.616], df[0.729,0.064], g[1.945,0.236]
1/1 [=====] - 0s 158ms/step
>4145, dr[0.365,1.307], df[0.626,0.220], g[2.982,0.282]
1/1 [=====] - 1s 573ms/step
>4146, dr[1.273,1.002], df[1.216,0.051], g[2.577,0.125]
1/1 [=====] - 0s 417ms/step
>4147, dr[0.866,0.405], df[0.552,0.033], g[2.702,0.287]
1/1 [=====] - 2s 2s/step
>4148, dr[0.732,1.635], df[0.535,0.096], g[2.536,0.188]
1/1 [=====] - 2s 2s/step
>4149, dr[0.716,1.013], df[0.965,0.058], g[2.108,0.134]
1/1 [=====] - 0s 176ms/step
>4150, dr[0.809,1.435], df[0.923,0.114], g[2.395,0.290]
1/1 [=====] - 0s 210ms/step
>4151, dr[0.674,0.890], df[0.813,0.594], g[2.840,0.133]
1/1 [=====] - 0s 105ms/step
>4152, dr[0.657,0.555], df[0.481,0.287], g[2.154,0.058]
1/1 [=====] - 0s 169ms/step
>4153, dr[0.634,1.244], df[0.686,0.082], g[2.207,0.241]
1/1 [=====] - 0s 128ms/step
>4154, dr[0.769,0.854], df[0.734,0.135], g[1.766,0.511]
1/1 [=====] - 0s 129ms/step
>4155, dr[0.503,1.373], df[0.666,0.294], g[2.303,0.347]
1/1 [=====] - 0s 105ms/step
>4156, dr[0.391,0.366], df[0.625,0.214], g[2.966,0.102]
1/1 [=====] - 0s 111ms/step
>4157, dr[0.781,0.651], df[0.519,0.241], g[2.518,0.173]
1/1 [=====] - 0s 108ms/step
>4158, dr[0.975,1.239], df[0.664,0.615], g[1.352,0.494]
1/1 [=====] - 0s 125ms/step
>4159, dr[0.449,1.011], df[1.142,0.158], g[2.715,0.529]
1/1 [=====] - 0s 105ms/step
>4160, dr[1.022,1.216], df[0.500,0.277], g[2.212,0.027]
1/1 [=====] - 0s 115ms/step
>4161, dr[0.402,0.721], df[0.729,0.106], g[2.586,0.228]
1/1 [=====] - 0s 171ms/step
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>4162, dr[1.034,0.698], df[0.743,0.028], g[2.148,0.691]
1/1 [=====] - 0s 111ms/step
>4163, dr[0.844,0.797], df[1.111,0.055], g[2.520,0.174]
1/1 [=====] - 0s 101ms/step
>4164, dr[0.697,0.227], df[0.875,0.156], g[2.828,0.077]
1/1 [=====] - 0s 116ms/step
>4165, dr[0.452,0.846], df[0.298,0.068], g[2.491,0.292]
1/1 [=====] - 0s 113ms/step
>4166, dr[0.602,0.929], df[1.072,0.257], g[3.209,0.221]
1/1 [=====] - 0s 100ms/step
>4167, dr[1.050,1.356], df[0.505,0.122], g[2.704,0.622]
1/1 [=====] - 0s 109ms/step
>4168, dr[0.577,0.844], df[0.732,0.237], g[2.149,0.208]
1/1 [=====] - 0s 115ms/step
>4169, dr[0.797,0.743], df[0.701,0.166], g[2.443,0.197]
1/1 [=====] - 0s 137ms/step
>4170, dr[0.818,0.397], df[0.925,0.498], g[2.422,0.231]
1/1 [=====] - 0s 114ms/step
>4171, dr[0.491,0.338], df[0.651,0.040], g[2.804,0.151]
1/1 [=====] - 0s 152ms/step
>4172, dr[0.579,1.222], df[0.394,0.064], g[2.452,0.122]
1/1 [=====] - 0s 99ms/step
>4173, dr[0.900,0.850], df[1.068,0.064], g[2.645,0.083]
1/1 [=====] - 0s 152ms/step
>4174, dr[0.533,0.989], df[0.519,0.422], g[3.056,0.043]
1/1 [=====] - 0s 138ms/step
>4175, dr[1.560,1.977], df[1.275,0.120], g[1.512,0.372]
1/1 [=====] - 0s 121ms/step
>4176, dr[0.324,0.329], df[0.556,0.576], g[2.666,0.178]
1/1 [=====] - 0s 190ms/step
>4177, dr[0.570,0.269], df[0.457,0.092], g[2.018,0.139]
1/1 [=====] - 0s 109ms/step
>4178, dr[0.642,1.095], df[0.952,0.250], g[2.043,0.217]
1/1 [=====] - 0s 172ms/step
>4179, dr[0.994,0.555], df[0.662,0.265], g[1.818,0.125]
1/1 [=====] - 0s 240ms/step
>4180, dr[0.408,0.032], df[1.009,0.143], g[3.510,0.109]
1/1 [=====] - 0s 139ms/step
>4181, dr[0.953,0.463], df[0.513,0.013], g[2.440,0.145]
1/1 [=====] - 0s 139ms/step
>4182, dr[0.728,1.144], df[0.925,0.042], g[2.681,0.270]
1/1 [=====] - 0s 146ms/step
>4183, dr[0.739,1.378], df[0.613,0.058], g[2.678,0.087]
1/1 [=====] - 0s 121ms/step
>4184, dr[0.815,0.991], df[0.603,0.168], g[1.722,0.172]
1/1 [=====] - 0s 117ms/step
>4185, dr[0.402,0.331], df[1.121,0.190], g[2.921,0.014]
1/1 [=====] - 0s 109ms/step
>4186, dr[0.824,0.577], df[0.408,0.376], g[2.252,0.132]
1/1 [=====] - 0s 127ms/step
>4187, dr[0.672,0.539], df[0.802,0.064], g[1.954,0.208]
1/1 [=====] - 0s 230ms/step
>4188, dr[0.564,0.805], df[0.819,0.099], g[3.142,0.278]
1/1 [=====] - 0s 125ms/step
>4189, dr[0.960,1.334], df[0.842,0.091], g[2.478,0.335]
1/1 [=====] - 0s 225ms/step
>4190, dr[0.563,0.651], df[0.572,0.183], g[1.889,0.049]
1/1 [=====] - 0s 124ms/step
>4191, dr[0.342,0.555], df[0.342,0.224], g[2.920,0.194]
1/1 [=====] - 0s 115ms/step
```

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>4192, dr[1.043,0.780], df[0.877,0.382], g[1.604,0.325]
1/1 [=====] - 0s 116ms/step
>4193, dr[0.304,1.617], df[0.859,0.400], g[3.155,0.260]
1/1 [=====] - 0s 125ms/step
>4194, dr[1.206,1.382], df[0.762,0.240], g[2.330,0.341]
1/1 [=====] - 0s 101ms/step
>4195, dr[0.681,0.477], df[0.857,0.097], g[2.834,0.191]
1/1 [=====] - 0s 123ms/step
>4196, dr[1.160,2.378], df[0.862,0.114], g[2.511,0.471]
1/1 [=====] - 0s 137ms/step
>4197, dr[0.613,1.205], df[0.505,0.621], g[2.554,0.192]
1/1 [=====] - 0s 124ms/step
>4198, dr[0.520,0.357], df[0.666,0.232], g[2.743,0.223]
1/1 [=====] - 0s 122ms/step
>4199, dr[1.137,0.354], df[1.053,0.226], g[2.209,0.039]
1/1 [=====] - 0s 98ms/step
>4200, dr[0.803,0.115], df[0.715,0.224], g[2.224,0.357]
1/1 [=====] - 0s 107ms/step
>4201, dr[0.664,0.656], df[0.944,0.010], g[2.525,0.299]
1/1 [=====] - 0s 142ms/step
>4202, dr[1.021,0.352], df[0.565,0.254], g[1.903,0.266]
1/1 [=====] - 0s 108ms/step
>4203, dr[0.352,0.191], df[0.405,0.319], g[2.235,0.043]
1/1 [=====] - 0s 111ms/step
>4204, dr[0.704,0.792], df[1.294,0.095], g[2.885,0.030]
1/1 [=====] - 0s 136ms/step
>4205, dr[0.518,1.218], df[0.404,0.107], g[3.077,0.111]
1/1 [=====] - 0s 101ms/step
>4206, dr[1.274,0.920], df[0.920,0.202], g[1.531,0.129]
1/1 [=====] - 0s 124ms/step
>4207, dr[0.387,1.294], df[0.789,0.417], g[2.568,0.110]
1/1 [=====] - 0s 150ms/step
>4208, dr[0.858,0.915], df[0.373,0.079], g[2.159,0.213]
1/1 [=====] - 0s 150ms/step
>4209, dr[0.430,0.662], df[0.989,0.455], g[3.061,0.204]
1/1 [=====] - 0s 92ms/step
>4210, dr[0.739,1.103], df[0.416,0.057], g[2.689,0.301]
1/1 [=====] - 0s 107ms/step
>4211, dr[0.647,1.775], df[0.854,0.150], g[2.687,0.318]
1/1 [=====] - 0s 104ms/step
>4212, dr[0.617,0.859], df[0.399,0.207], g[2.359,0.186]
1/1 [=====] - 0s 142ms/step
>4213, dr[0.920,0.865], df[0.968,0.004], g[1.688,0.117]
1/1 [=====] - 0s 135ms/step
>4214, dr[0.344,1.773], df[0.665,0.104], g[1.899,0.177]
1/1 [=====] - 0s 119ms/step
>4215, dr[0.430,0.476], df[0.333,0.135], g[2.611,0.105]
1/1 [=====] - 0s 111ms/step
>4216, dr[0.769,0.409], df[0.802,0.231], g[2.156,0.132]
1/1 [=====] - 0s 184ms/step
>4217, dr[0.586,0.667], df[0.741,0.113], g[3.143,0.241]
1/1 [=====] - 0s 104ms/step
>4218, dr[0.983,0.988], df[0.952,0.087], g[2.255,0.031]
1/1 [=====] - 0s 82ms/step
>4219, dr[0.742,0.356], df[1.034,0.167], g[3.289,0.169]
1/1 [=====] - 0s 164ms/step
>4220, dr[1.076,0.351], df[0.681,0.347], g[2.107,0.094]
1/1 [=====] - 0s 96ms/step
>4221, dr[0.429,0.696], df[0.889,0.086], g[3.416,0.112]
1/1 [=====] - 0s 104ms/step
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>4222, dr[0.957,1.670], df[0.394,0.028], g[2.084,0.246]
1/1 [=====] - 0s 111ms/step
>4223, dr[0.392,0.525], df[0.605,0.442], g[3.257,0.105]
1/1 [=====] - 0s 128ms/step
>4224, dr[0.768,0.884], df[0.472,0.217], g[2.031,0.139]
1/1 [=====] - 0s 141ms/step
>4225, dr[0.553,0.735], df[0.754,0.454], g[2.362,0.073]
1/1 [=====] - 0s 102ms/step
>4226, dr[0.872,0.396], df[0.747,0.455], g[2.025,0.063]
1/1 [=====] - 0s 148ms/step
>4227, dr[0.392,0.406], df[0.796,0.048], g[3.123,0.082]
1/1 [=====] - 0s 100ms/step
>4228, dr[0.899,0.452], df[0.682,0.057], g[2.535,0.272]
1/1 [=====] - 0s 102ms/step
>4229, dr[0.677,1.650], df[0.630,0.038], g[2.531,0.306]
1/1 [=====] - 0s 132ms/step
>4230, dr[1.136,0.713], df[1.197,0.398], g[1.973,0.232]
1/1 [=====] - 0s 113ms/step
>4231, dr[0.606,0.341], df[0.637,0.444], g[3.125,0.210]
1/1 [=====] - 0s 114ms/step
>4232, dr[0.930,0.931], df[0.724,0.037], g[2.421,0.353]
1/1 [=====] - 0s 124ms/step
>4233, dr[0.804,1.162], df[0.617,1.143], g[1.570,0.146]
1/1 [=====] - 0s 106ms/step
>4234, dr[0.552,0.868], df[0.973,0.281], g[3.349,0.207]
1/1 [=====] - 0s 126ms/step
>4235, dr[0.749,0.456], df[0.299,0.114], g[2.681,0.270]
1/1 [=====] - 0s 114ms/step
>4236, dr[0.595,1.161], df[0.716,0.050], g[2.200,0.088]
1/1 [=====] - 0s 112ms/step
>4237, dr[0.784,0.491], df[0.808,0.027], g[2.014,0.539]
1/1 [=====] - 0s 124ms/step
>4238, dr[0.366,0.265], df[0.371,0.079], g[3.016,0.208]
1/1 [=====] - 0s 114ms/step
>4239, dr[0.795,2.065], df[0.858,0.104], g[2.335,0.079]
1/1 [=====] - 0s 121ms/step
>4240, dr[0.420,0.974], df[0.818,0.350], g[2.709,0.034]
1/1 [=====] - 0s 123ms/step
>4241, dr[0.470,0.206], df[0.513,0.180], g[3.333,0.181]
1/1 [=====] - 0s 118ms/step
>4242, dr[1.063,0.777], df[0.587,0.025], g[2.287,0.173]
1/1 [=====] - 0s 116ms/step
>4243, dr[0.523,1.001], df[0.506,0.087], g[2.204,0.040]
1/1 [=====] - 0s 175ms/step
>4244, dr[0.932,0.568], df[1.135,0.244], g[2.140,0.211]
1/1 [=====] - 0s 123ms/step
>4245, dr[0.545,0.453], df[0.363,0.239], g[2.125,0.114]
1/1 [=====] - 0s 170ms/step
>4246, dr[0.370,0.541], df[0.914,0.321], g[3.554,0.036]
1/1 [=====] - 0s 187ms/step
>4247, dr[1.337,0.542], df[0.693,0.074], g[2.531,0.095]
1/1 [=====] - 0s 133ms/step
>4248, dr[0.650,0.708], df[0.827,0.288], g[2.477,0.210]
1/1 [=====] - 0s 221ms/step
>4249, dr[0.505,0.457], df[0.697,0.194], g[3.410,0.300]
1/1 [=====] - 0s 195ms/step
>4250, dr[1.316,0.734], df[0.924,0.348], g[2.403,0.171]
1/1 [=====] - 0s 133ms/step
>4251, dr[0.614,0.389], df[0.620,0.236], g[2.660,0.329]
1/1 [=====] - 0s 107ms/step
```

```
>4252, dr[0.685,1.136], df[0.746,0.079], g[2.198,0.215]
1/1 [=====] - 0s 115ms/step
>4253, dr[0.958,1.150], df[1.141,0.218], g[2.576,0.542]
1/1 [=====] - 0s 106ms/step
>4254, dr[0.729,0.458], df[0.529,0.188], g[2.729,0.633]
1/1 [=====] - 0s 102ms/step
>4255, dr[0.662,0.836], df[0.751,0.227], g[1.907,0.518]
1/1 [=====] - 0s 112ms/step
>4256, dr[0.611,1.145], df[0.750,0.445], g[3.093,0.118]
1/1 [=====] - 0s 287ms/step
>4257, dr[1.071,1.082], df[0.548,0.132], g[1.984,0.131]
1/1 [=====] - 0s 169ms/step
>4258, dr[0.391,1.418], df[0.853,0.310], g[3.414,0.104]
1/1 [=====] - 0s 108ms/step
>4259, dr[1.140,1.097], df[0.699,0.019], g[2.365,0.283]
1/1 [=====] - 0s 91ms/step
>4260, dr[0.938,0.919], df[1.702,0.270], g[2.537,0.212]
1/1 [=====] - 0s 105ms/step
>4261, dr[0.977,1.193], df[0.546,0.164], g[2.683,0.101]
1/1 [=====] - 0s 110ms/step
>4262, dr[0.608,0.653], df[0.680,0.198], g[2.359,0.194]
1/1 [=====] - 0s 123ms/step
>4263, dr[0.828,0.354], df[1.210,0.101], g[3.376,0.299]
1/1 [=====] - 0s 154ms/step
>4264, dr[0.887,0.289], df[0.334,0.050], g[2.589,0.136]
1/1 [=====] - 0s 137ms/step
>4265, dr[0.805,1.541], df[1.079,0.121], g[2.398,0.311]
1/1 [=====] - 0s 179ms/step
>4266, dr[0.648,0.613], df[0.759,0.476], g[2.853,0.184]
1/1 [=====] - 0s 119ms/step
>4267, dr[1.177,0.999], df[0.933,0.126], g[2.308,0.460]
1/1 [=====] - 0s 116ms/step
>4268, dr[0.447,0.462], df[0.422,0.043], g[2.791,0.247]
1/1 [=====] - 0s 134ms/step
>4269, dr[1.181,1.478], df[1.402,0.298], g[2.344,0.124]
1/1 [=====] - 0s 129ms/step
>4270, dr[0.635,0.720], df[0.724,0.015], g[2.487,0.090]
1/1 [=====] - 0s 149ms/step
>4271, dr[0.751,1.559], df[0.619,0.350], g[2.284,0.139]
1/1 [=====] - 0s 138ms/step
>4272, dr[1.125,1.149], df[1.533,0.049], g[2.246,0.188]
1/1 [=====] - 0s 158ms/step
>4273, dr[0.631,0.583], df[0.604,0.172], g[2.377,0.268]
1/1 [=====] - 0s 146ms/step
>4274, dr[0.915,0.697], df[1.047,0.199], g[2.277,0.027]
1/1 [=====] - 0s 109ms/step
>4275, dr[0.531,0.778], df[0.341,0.203], g[2.614,0.251]
1/1 [=====] - 0s 178ms/step
>4276, dr[0.941,0.823], df[0.837,0.077], g[1.934,0.133]
1/1 [=====] - 0s 172ms/step
>4277, dr[0.374,0.480], df[0.470,0.202], g[2.814,0.206]
1/1 [=====] - 0s 124ms/step
>4278, dr[0.730,0.592], df[0.843,0.224], g[2.347,0.212]
1/1 [=====] - 0s 119ms/step
>4279, dr[0.967,1.468], df[0.718,0.254], g[1.943,0.465]
1/1 [=====] - 0s 126ms/step
>4280, dr[0.804,0.476], df[1.134,0.207], g[2.109,0.083]
1/1 [=====] - 0s 142ms/step
>4281, dr[0.631,0.622], df[0.551,0.010], g[2.415,0.196]
1/1 [=====] - 0s 107ms/step
```

```
>4282, dr[0.890,0.401], df[0.803,0.069], g[2.245,0.158]
1/1 [=====] - 0s 108ms/step
>4283, dr[0.506,0.881], df[0.832,0.136], g[2.495,0.071]
1/1 [=====] - 0s 169ms/step
>4284, dr[0.852,1.267], df[0.819,0.072], g[2.952,0.116]
1/1 [=====] - 0s 127ms/step
>4285, dr[0.909,1.080], df[0.741,0.310], g[2.801,0.062]
1/1 [=====] - 0s 116ms/step
>4286, dr[0.568,0.675], df[0.651,0.215], g[2.730,0.105]
1/1 [=====] - 0s 119ms/step
>4287, dr[0.550,2.267], df[0.746,0.218], g[3.018,0.347]
1/1 [=====] - 0s 110ms/step
>4288, dr[0.772,1.356], df[0.424,0.203], g[2.522,0.120]
1/1 [=====] - 0s 136ms/step
>4289, dr[0.862,1.024], df[0.678,0.677], g[1.680,0.393]
1/1 [=====] - 0s 118ms/step
>4290, dr[0.483,0.992], df[0.704,0.226], g[2.393,0.055]
1/1 [=====] - 0s 104ms/step
>4291, dr[1.347,0.946], df[1.015,0.135], g[2.262,0.286]
1/1 [=====] - 0s 103ms/step
>4292, dr[0.653,1.030], df[0.544,0.110], g[2.151,0.102]
1/1 [=====] - 0s 104ms/step
>4293, dr[0.486,1.255], df[0.613,0.031], g[2.796,0.165]
1/1 [=====] - 0s 114ms/step
>4294, dr[0.491,0.708], df[0.790,0.081], g[3.019,0.371]
1/1 [=====] - 0s 107ms/step
>4295, dr[1.083,1.309], df[0.744,0.056], g[1.786,0.391]
1/1 [=====] - 0s 110ms/step
>4296, dr[0.784,0.781], df[0.724,0.062], g[1.662,0.187]
1/1 [=====] - 0s 96ms/step
>4297, dr[0.502,0.419], df[0.677,0.580], g[2.532,0.424]
1/1 [=====] - 0s 102ms/step
>4298, dr[0.647,0.919], df[0.633,0.184], g[2.885,0.060]
1/1 [=====] - 1s 709ms/step
>4299, dr[0.647,0.279], df[0.415,0.263], g[1.927,0.161]
1/1 [=====] - 0s 128ms/step
>4300, dr[0.591,0.559], df[0.843,0.205], g[2.358,0.348]
1/1 [=====] - 0s 105ms/step
>4301, dr[0.765,1.303], df[0.605,0.285], g[2.751,0.096]
1/1 [=====] - 0s 105ms/step
>4302, dr[0.957,0.966], df[0.957,0.164], g[2.364,0.201]
1/1 [=====] - 0s 122ms/step
>4303, dr[0.643,1.129], df[0.710,0.557], g[2.753,0.193]
1/1 [=====] - 0s 138ms/step
>4304, dr[0.854,0.646], df[0.695,0.065], g[2.634,0.342]
1/1 [=====] - 0s 137ms/step
>4305, dr[0.873,0.976], df[1.117,0.309], g[2.799,0.324]
1/1 [=====] - 0s 130ms/step
>4306, dr[1.052,0.949], df[0.427,0.329], g[2.607,0.317]
1/1 [=====] - 1s 1s/step
>4307, dr[0.416,0.332], df[0.827,0.202], g[3.452,0.187]
1/1 [=====] - 0s 97ms/step
>4308, dr[1.146,0.352], df[0.757,0.080], g[2.094,0.275]
1/1 [=====] - 0s 106ms/step
>4309, dr[0.701,0.092], df[1.069,0.354], g[2.831,0.179]
1/1 [=====] - 0s 109ms/step
>4310, dr[1.434,0.742], df[1.090,0.374], g[2.317,0.108]
1/1 [=====] - 0s 117ms/step
>4311, dr[0.887,0.754], df[0.699,0.162], g[2.210,0.276]
1/1 [=====] - 0s 124ms/step
```

```
>4312, dr[0.333,0.115], df[0.513,0.056], g[3.117,0.052]
1/1 [=====] - 0s 121ms/step
>4313, dr[0.876,0.869], df[0.402,0.172], g[1.852,0.195]
1/1 [=====] - 0s 114ms/step
>4314, dr[0.520,0.954], df[0.888,0.013], g[2.374,0.203]
1/1 [=====] - 0s 88ms/step
>4315, dr[0.481,1.154], df[0.561,0.226], g[3.296,0.819]
1/1 [=====] - 0s 90ms/step
>4316, dr[1.249,1.393], df[0.713,0.137], g[2.095,0.037]
1/1 [=====] - 0s 96ms/step
>4317, dr[0.644,0.529], df[0.565,0.089], g[2.083,0.132]
1/1 [=====] - 0s 105ms/step
>4318, dr[0.589,0.924], df[0.730,0.036], g[2.342,0.111]
1/1 [=====] - 0s 144ms/step
>4319, dr[0.616,0.854], df[0.885,0.179], g[2.067,0.206]
1/1 [=====] - 0s 80ms/step
>4320, dr[0.755,1.186], df[0.733,0.091], g[2.326,0.250]
1/1 [=====] - 0s 102ms/step
>4321, dr[0.627,0.376], df[0.593,0.074], g[2.737,0.177]
1/1 [=====] - 0s 100ms/step
>4322, dr[0.578,0.326], df[0.951,0.115], g[2.979,0.115]
1/1 [=====] - 0s 93ms/step
>4323, dr[0.991,0.317], df[0.400,0.217], g[2.312,0.103]
1/1 [=====] - 0s 104ms/step
>4324, dr[0.452,0.127], df[0.940,0.006], g[3.005,0.266]
1/1 [=====] - 0s 158ms/step
>4325, dr[0.971,0.583], df[0.701,0.086], g[1.849,0.053]
1/1 [=====] - 0s 122ms/step
>4326, dr[0.696,1.059], df[1.117,0.314], g[2.609,0.171]
1/1 [=====] - 0s 92ms/step
>4327, dr[1.081,0.600], df[0.663,0.108], g[1.958,0.161]
1/1 [=====] - 0s 105ms/step
>4328, dr[0.522,0.270], df[0.792,0.097], g[3.082,0.224]
1/1 [=====] - 0s 103ms/step
>4329, dr[0.621,1.065], df[0.322,0.257], g[2.453,0.139]
1/1 [=====] - 0s 122ms/step
>4330, dr[0.817,0.663], df[0.973,0.077], g[2.512,0.238]
1/1 [=====] - 0s 123ms/step
>4331, dr[0.585,1.620], df[0.823,0.514], g[3.265,0.168]
1/1 [=====] - 0s 101ms/step
>4332, dr[1.415,0.685], df[0.708,0.021], g[2.073,0.135]
1/1 [=====] - 0s 107ms/step
>4333, dr[0.338,0.686], df[0.455,0.137], g[2.736,0.066]
1/1 [=====] - 0s 110ms/step
>4334, dr[0.627,0.451], df[0.863,0.165], g[2.665,0.144]
1/1 [=====] - 0s 106ms/step
>4335, dr[0.759,1.036], df[0.697,0.040], g[2.284,0.148]
1/1 [=====] - 0s 105ms/step
>4336, dr[0.849,0.241], df[0.644,0.029], g[2.240,0.336]
1/1 [=====] - 0s 90ms/step
>4337, dr[0.449,1.061], df[0.413,0.380], g[2.574,0.038]
1/1 [=====] - 0s 121ms/step
>4338, dr[0.731,1.939], df[1.293,0.032], g[2.306,0.304]
1/1 [=====] - 0s 115ms/step
>4339, dr[1.024,0.449], df[0.781,0.205], g[2.487,0.062]
1/1 [=====] - 0s 118ms/step
>4340, dr[0.846,0.771], df[0.826,0.084], g[2.259,0.263]
1/1 [=====] - 0s 97ms/step
>4341, dr[0.687,0.631], df[0.577,0.086], g[2.299,0.211]
1/1 [=====] - 0s 107ms/step
```

```
>4342, dr[0.803,0.279], df[1.287,0.253], g[2.803,0.212]
1/1 [=====] - 0s 110ms/step
>4343, dr[1.129,0.947], df[0.635,0.016], g[2.063,0.429]
1/1 [=====] - 0s 95ms/step
>4344, dr[0.582,1.181], df[0.870,0.286], g[2.905,0.226]
1/1 [=====] - 0s 154ms/step
>4345, dr[0.871,0.892], df[0.636,0.003], g[2.365,0.096]
1/1 [=====] - 0s 106ms/step
>4346, dr[1.128,0.569], df[0.975,0.042], g[1.972,0.158]
1/1 [=====] - 0s 99ms/step
>4347, dr[0.481,0.655], df[0.840,0.224], g[2.363,0.016]
1/1 [=====] - 0s 95ms/step
>4348, dr[0.649,0.673], df[0.331,0.468], g[2.896,0.082]
1/1 [=====] - 0s 130ms/step
>4349, dr[0.595,0.246], df[0.728,0.004], g[2.069,0.116]
1/1 [=====] - 0s 107ms/step
>4350, dr[0.695,0.513], df[0.976,0.015], g[2.519,0.102]
1/1 [=====] - 0s 101ms/step
>4351, dr[1.165,0.847], df[1.040,0.022], g[2.656,0.292]
1/1 [=====] - 0s 192ms/step
>4352, dr[0.750,0.839], df[0.440,0.162], g[2.170,0.245]
1/1 [=====] - 0s 452ms/step
>4353, dr[0.750,1.441], df[0.942,0.325], g[1.937,0.219]
1/1 [=====] - 0s 81ms/step
>4354, dr[0.784,1.415], df[0.572,0.280], g[2.537,0.053]
1/1 [=====] - 0s 104ms/step
>4355, dr[0.803,0.510], df[0.882,0.015], g[2.181,0.056]
1/1 [=====] - 0s 192ms/step
>4356, dr[0.636,0.382], df[1.080,0.019], g[2.919,0.101]
1/1 [=====] - 0s 92ms/step
```

Let's show a summary of the discriminator structure.

In []: `discriminator.summary()`

Let's show a summary of the generator structure.

In []: `generator.summary()`

8.2) Evaluate Model Performance

Let's generate fake clothing images that we can use to calculate the inception scores.

In [1]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np

model = load_model('model_5622.h5')
latent_dim = 100
n_examples = 300
```

```
# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()

# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0

# Generate Trouser Images
n_class = 1
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0
```

```
# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0


# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0


# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0


# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0


# Generate Sneaker Images
n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0


# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0
```

```
# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)
```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
```

```
    warnings.warn(
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 73ms/step
10/10 [=====] - 1s 65ms/step
10/10 [=====] - 1s 68ms/step
10/10 [=====] - 1s 62ms/step
10/10 [=====] - 1s 70ms/step
10/10 [=====] - 1s 63ms/step
10/10 [=====] - 1s 68ms/step
10/10 [=====] - 1s 67ms/step
10/10 [=====] - 1s 67ms/step
(3000, 28, 28, 1)
```

Let's calculate the inception scores.

```
In [2]: # calculate inception score in Keras
from math import floor
from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
```

```

from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

# load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)

```

```

10/10 [=====] - 18s 2s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 14s 1s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 2s/step
score 1.2284685 0.0052026035

```

9) Model 8 - Experimentation With AC-GAN Layer Architecture

9.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_

```

```

fe = LeakyReLU(alpha=0.2)(fe)
fe = Dropout(0.5)(fe)
# normal
fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
fe = BatchNormalization()(fe)
fe = LeakyReLU(alpha=0.2)(fe)
fe = Dropout(0.5)(fe)
# downsample to 7x7
fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
fe = BatchNormalization()(fe)
fe = LeakyReLU(alpha=0.2)(fe)
fe = Dropout(0.5)(fe)
# normal
# fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
# fe = BatchNormalization()(fe)
# fe = LeakyReLU(alpha=0.2)(fe)
# fe = Dropout(0.5)(fe)
# flatten feature maps
fe = Flatten()(fe)
# real/fake output
out1 = Dense(1, activation='sigmoid')(fe)
# class label output
out2 = Dense(n_classes, activation='softmax')(fe)
# define model
model = Model(in_image, [out1, out2])
# compile model
opt = Adam(lr=0.0002, beta_1=0.5)
model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt
return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # Label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # Linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)
    # merge image gen and label input
    merge = Concatenate()([gen, li])
    # upsample to 14x14
    gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    gen = BatchNormalization()(gen)
    gen = Activation('relu')(gen)
    # upsample to 28x28
    gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer=init)
    out_layer = Activation('tanh')(gen)

```

```

# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and label ou
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in Latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the Latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = randint(0, n_classes, n_samples)
    return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs

```

```

images = generator.predict([z_input, labels_input])
# create class labels
y = zeros((n_samples, 1))
return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=7, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error
        _,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
        # summarize Loss on this batch
        print('>%d, dr[%3f,%3f], df[%3f,%3f], g[%3f,%3f]' % (i+1, d_r1,d_r2, d_f, d_f2, g_1,g_2))
        # evaluate the model performance every 'epoch'
        if (i+1) % (bat_per_epo * 1) == 0:
            summarize_performance(i, g_model, latent_dim)

# size of the Latent space
latent_dim = 100

```

```
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# Load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.

```
warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 188ms/step  
>1, dr[0.630,3.068], df[0.958,2.405], g[0.603,2.935]  
1/1 [=====] - 0s 69ms/step  
>2, dr[0.460,3.469], df[1.004,2.517], g[0.637,3.172]  
1/1 [=====] - 0s 72ms/step  
>3, dr[0.234,2.679], df[1.108,2.365], g[0.569,3.111]  
1/1 [=====] - 0s 80ms/step  
>4, dr[0.370,2.893], df[0.844,2.453], g[0.628,3.140]  
1/1 [=====] - 0s 77ms/step  
>5, dr[0.402,2.634], df[0.870,2.663], g[0.653,2.672]  
1/1 [=====] - 0s 66ms/step  
>6, dr[0.413,3.091], df[0.849,2.532], g[0.606,3.141]  
1/1 [=====] - 0s 72ms/step  
>7, dr[0.287,2.503], df[0.805,2.475], g[0.539,2.858]  
1/1 [=====] - 0s 75ms/step  
>8, dr[0.197,2.537], df[0.929,2.456], g[0.395,2.821]  
1/1 [=====] - 0s 66ms/step  
>9, dr[0.214,2.427], df[0.969,2.467], g[0.480,3.141]  
1/1 [=====] - 0s 68ms/step  
>10, dr[0.297,2.610], df[1.021,2.411], g[0.365,2.881]  
1/1 [=====] - 0s 69ms/step  
>11, dr[0.171,2.603], df[0.993,2.269], g[0.336,2.990]  
1/1 [=====] - 0s 66ms/step  
>12, dr[0.217,2.488], df[0.954,2.455], g[0.386,2.967]  
1/1 [=====] - 0s 87ms/step  
>13, dr[0.218,2.230], df[0.843,2.510], g[0.389,2.916]  
1/1 [=====] - 0s 76ms/step  
>14, dr[0.304,1.986], df[0.814,2.419], g[0.292,2.687]  
1/1 [=====] - 0s 76ms/step  
>15, dr[0.214,2.324], df[0.689,2.593], g[0.408,3.230]  
1/1 [=====] - 0s 81ms/step  
>16, dr[0.229,2.024], df[0.526,2.603], g[0.286,3.243]  
1/1 [=====] - 0s 77ms/step  
>17, dr[0.352,2.174], df[0.727,2.639], g[0.308,3.112]  
1/1 [=====] - 0s 72ms/step  
>18, dr[0.263,2.311], df[0.643,2.468], g[0.264,3.051]  
1/1 [=====] - 0s 81ms/step  
>19, dr[0.204,2.098], df[0.680,2.635], g[0.256,3.262]  
1/1 [=====] - 0s 68ms/step  
>20, dr[0.248,2.017], df[0.641,2.206], g[0.219,3.044]  
1/1 [=====] - 0s 79ms/step  
>21, dr[0.260,2.317], df[0.461,2.511], g[0.212,3.003]  
1/1 [=====] - 0s 86ms/step  
>22, dr[0.187,1.466], df[0.519,2.367], g[0.182,3.251]  
1/1 [=====] - 0s 73ms/step  
>23, dr[0.274,1.751], df[0.431,2.570], g[0.144,2.941]  
1/1 [=====] - 0s 73ms/step  
>24, dr[0.193,1.748], df[0.558,2.550], g[0.119,3.045]  
1/1 [=====] - 0s 70ms/step  
>25, dr[0.202,1.997], df[0.520,2.542], g[0.159,2.786]  
1/1 [=====] - 0s 69ms/step  
>26, dr[0.148,1.904], df[0.440,2.478], g[0.165,2.916]  
1/1 [=====] - 0s 82ms/step  
>27, dr[0.161,1.708], df[0.439,2.504], g[0.208,2.765]  
1/1 [=====] - 0s 70ms/step  
>28, dr[0.081,1.657], df[0.510,2.429], g[0.164,2.980]  
1/1 [=====] - 0s 100ms/step  
>29, dr[0.178,1.651], df[0.383,2.350], g[0.176,3.177]  
1/1 [=====] - 0s 84ms/step
```

```
>30, dr[0.173,1.801], df[0.454,2.467], g[0.218,3.152]
1/1 [=====] - 0s 81ms/step
>31, dr[0.145,1.423], df[0.409,2.547], g[0.164,2.683]
1/1 [=====] - 0s 99ms/step
>32, dr[0.089,1.427], df[0.342,2.402], g[0.166,2.945]
1/1 [=====] - 0s 109ms/step
>33, dr[0.094,1.566], df[0.366,2.622], g[0.158,3.002]
1/1 [=====] - 0s 87ms/step
>34, dr[0.097,1.846], df[0.354,2.338], g[0.160,2.982]
1/1 [=====] - 0s 86ms/step
>35, dr[0.211,1.250], df[0.349,2.495], g[0.150,3.018]
1/1 [=====] - 0s 76ms/step
>36, dr[0.115,1.514], df[0.371,2.404], g[0.160,2.850]
1/1 [=====] - 0s 67ms/step
>37, dr[0.158,1.604], df[0.286,2.519], g[0.165,3.081]
1/1 [=====] - 0s 64ms/step
>38, dr[0.271,1.700], df[0.252,2.358], g[0.126,3.028]
1/1 [=====] - 0s 71ms/step
>39, dr[0.112,1.583], df[0.284,2.450], g[0.101,3.251]
1/1 [=====] - 0s 71ms/step
>40, dr[0.140,1.344], df[0.298,2.456], g[0.105,3.188]
1/1 [=====] - 0s 81ms/step
>41, dr[0.083,1.715], df[0.327,2.834], g[0.102,3.180]
1/1 [=====] - 0s 78ms/step
>42, dr[0.061,1.264], df[0.265,2.488], g[0.129,2.826]
1/1 [=====] - 0s 97ms/step
>43, dr[0.065,1.345], df[0.286,2.437], g[0.104,3.423]
1/1 [=====] - 0s 84ms/step
>44, dr[0.141,1.602], df[0.298,2.440], g[0.105,2.961]
1/1 [=====] - 0s 212ms/step
>45, dr[0.107,1.685], df[0.209,2.520], g[0.098,2.950]
1/1 [=====] - 0s 88ms/step
>46, dr[0.082,1.388], df[0.229,2.463], g[0.074,2.721]
1/1 [=====] - 0s 75ms/step
>47, dr[0.177,1.000], df[0.234,2.196], g[0.088,3.116]
1/1 [=====] - 0s 85ms/step
>48, dr[0.109,1.797], df[0.209,2.591], g[0.088,3.194]
1/1 [=====] - 0s 157ms/step
>49, dr[0.097,1.852], df[0.281,2.450], g[0.098,2.812]
1/1 [=====] - 0s 201ms/step
>50, dr[0.095,1.296], df[0.156,2.520], g[0.146,2.734]
1/1 [=====] - 0s 82ms/step
>51, dr[0.062,1.184], df[0.167,2.542], g[0.131,2.810]
1/1 [=====] - 0s 110ms/step
>52, dr[0.122,1.683], df[0.151,2.656], g[0.092,2.962]
1/1 [=====] - 0s 80ms/step
>53, dr[0.069,1.156], df[0.167,2.242], g[0.078,3.080]
1/1 [=====] - 0s 76ms/step
>54, dr[0.042,1.394], df[0.124,2.366], g[0.081,2.772]
1/1 [=====] - 0s 75ms/step
>55, dr[0.072,1.008], df[0.170,2.400], g[0.120,3.063]
1/1 [=====] - 0s 76ms/step
>56, dr[0.088,1.352], df[0.130,2.542], g[0.069,3.187]
1/1 [=====] - 0s 72ms/step
>57, dr[0.061,1.499], df[0.172,2.373], g[0.091,2.973]
1/1 [=====] - 0s 77ms/step
>58, dr[0.058,1.688], df[0.261,2.464], g[0.101,3.125]
1/1 [=====] - 0s 92ms/step
>59, dr[0.058,0.726], df[0.231,2.354], g[0.086,3.040]
1/1 [=====] - 0s 76ms/step
```

```
>60, dr[0.123,1.295], df[0.167,2.464], g[0.083,3.193]
1/1 [=====] - 0s 83ms/step
>61, dr[0.086,1.038], df[0.167,2.485], g[0.080,3.081]
1/1 [=====] - 0s 83ms/step
>62, dr[0.058,1.268], df[0.155,2.605], g[0.102,3.169]
1/1 [=====] - 0s 89ms/step
>63, dr[0.098,1.194], df[0.120,2.447], g[0.118,2.908]
1/1 [=====] - 0s 79ms/step
>64, dr[0.082,1.236], df[0.133,2.565], g[0.106,3.071]
1/1 [=====] - 0s 88ms/step
>65, dr[0.054,1.042], df[0.147,2.535], g[0.111,2.827]
1/1 [=====] - 0s 97ms/step
>66, dr[0.153,1.094], df[0.153,2.430], g[0.061,3.221]
1/1 [=====] - 0s 87ms/step
>67, dr[0.099,0.936], df[0.174,2.403], g[0.056,2.964]
1/1 [=====] - 0s 89ms/step
>68, dr[0.113,0.946], df[0.104,2.508], g[0.043,2.931]
1/1 [=====] - 0s 74ms/step
>69, dr[0.064,1.330], df[0.111,2.433], g[0.035,2.885]
1/1 [=====] - 0s 84ms/step
>70, dr[0.042,1.196], df[0.108,2.719], g[0.047,2.990]
1/1 [=====] - 0s 85ms/step
>71, dr[0.144,1.229], df[0.079,2.539], g[0.053,2.828]
1/1 [=====] - 0s 90ms/step
>72, dr[0.075,1.286], df[0.096,2.735], g[0.033,2.774]
1/1 [=====] - 0s 139ms/step
>73, dr[0.085,1.496], df[0.079,2.495], g[0.035,2.813]
1/1 [=====] - 0s 86ms/step
>74, dr[0.083,1.440], df[0.131,2.717], g[0.043,2.899]
1/1 [=====] - 0s 80ms/step
>75, dr[0.107,1.204], df[0.177,2.368], g[0.048,2.491]
1/1 [=====] - 0s 92ms/step
>76, dr[0.033,0.839], df[0.192,2.545], g[0.032,2.820]
1/1 [=====] - 0s 86ms/step
>77, dr[0.042,1.159], df[0.097,2.454], g[0.058,2.661]
1/1 [=====] - 0s 100ms/step
>78, dr[0.043,1.210], df[0.172,2.358], g[0.077,2.870]
1/1 [=====] - 0s 95ms/step
>79, dr[0.060,0.813], df[0.149,2.463], g[0.042,2.703]
1/1 [=====] - 0s 76ms/step
>80, dr[0.109,1.575], df[0.150,2.401], g[0.123,2.849]
1/1 [=====] - 0s 79ms/step
>81, dr[0.046,1.119], df[0.186,2.557], g[0.050,2.763]
1/1 [=====] - 0s 81ms/step
>82, dr[0.117,0.865], df[0.271,2.277], g[0.074,2.653]
1/1 [=====] - 0s 83ms/step
>83, dr[0.105,1.164], df[0.184,2.428], g[0.093,2.909]
1/1 [=====] - 0s 80ms/step
>84, dr[0.066,0.946], df[0.183,2.298], g[0.094,2.762]
1/1 [=====] - 0s 84ms/step
>85, dr[0.058,1.213], df[0.162,2.455], g[0.096,2.897]
1/1 [=====] - 0s 74ms/step
>86, dr[0.044,0.971], df[0.149,2.367], g[0.081,2.398]
1/1 [=====] - 0s 79ms/step
>87, dr[0.091,1.281], df[0.168,2.448], g[0.111,2.497]
1/1 [=====] - 0s 77ms/step
>88, dr[0.111,1.461], df[0.168,2.203], g[0.090,2.353]
1/1 [=====] - 0s 79ms/step
>89, dr[0.107,0.816], df[0.109,2.222], g[0.084,2.709]
1/1 [=====] - 0s 75ms/step
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>90, dr[0.074,0.734], df[0.145,2.407], g[0.038,2.553]
1/1 [=====] - 0s 78ms/step
>91, dr[0.052,1.092], df[0.183,2.201], g[0.082,2.293]
1/1 [=====] - 0s 71ms/step
>92, dr[0.052,1.463], df[0.184,2.310], g[0.073,2.673]
1/1 [=====] - 0s 85ms/step
>93, dr[0.116,0.851], df[0.155,2.308], g[0.087,2.598]
1/1 [=====] - 0s 76ms/step
>94, dr[0.069,0.939], df[0.189,2.261], g[0.055,2.622]
1/1 [=====] - 0s 78ms/step
>95, dr[0.099,1.317], df[0.178,2.220], g[0.048,2.105]
1/1 [=====] - 0s 83ms/step
>96, dr[0.084,1.055], df[0.110,2.082], g[0.052,2.559]
1/1 [=====] - 0s 98ms/step
>97, dr[0.053,0.740], df[0.139,2.206], g[0.038,2.535]
1/1 [=====] - 0s 87ms/step
>98, dr[0.103,0.892], df[0.166,1.974], g[0.058,2.108]
1/1 [=====] - 0s 86ms/step
>99, dr[0.041,0.656], df[0.112,1.959], g[0.041,2.109]
1/1 [=====] - 0s 87ms/step
>100, dr[0.059,0.817], df[0.086,1.973], g[0.054,2.034]
1/1 [=====] - 0s 88ms/step
>101, dr[0.044,0.654], df[0.062,1.938], g[0.070,1.952]
1/1 [=====] - 0s 71ms/step
>102, dr[0.114,1.511], df[0.060,2.217], g[0.049,2.084]
1/1 [=====] - 0s 82ms/step
>103, dr[0.038,1.060], df[0.041,2.066], g[0.053,1.818]
1/1 [=====] - 0s 74ms/step
>104, dr[0.046,1.409], df[0.076,1.975], g[0.056,1.624]
1/1 [=====] - 0s 78ms/step
>105, dr[0.026,1.098], df[0.095,1.952], g[0.033,1.594]
1/1 [=====] - 0s 118ms/step
>106, dr[0.032,1.053], df[0.229,1.648], g[0.073,1.687]
1/1 [=====] - 0s 72ms/step
>107, dr[0.036,1.122], df[0.223,1.533], g[0.050,1.744]
1/1 [=====] - 0s 83ms/step
>108, dr[0.103,1.374], df[0.208,1.556], g[0.071,1.590]
1/1 [=====] - 0s 78ms/step
>109, dr[0.059,0.822], df[0.084,1.879], g[0.073,1.709]
1/1 [=====] - 0s 71ms/step
>110, dr[0.088,1.447], df[0.070,1.627], g[0.069,1.361]
1/1 [=====] - 0s 78ms/step
>111, dr[0.063,1.286], df[0.089,1.482], g[0.060,1.728]
1/1 [=====] - 0s 78ms/step
>112, dr[0.049,0.771], df[0.065,1.570], g[0.037,1.363]
1/1 [=====] - 0s 83ms/step
>113, dr[0.032,0.574], df[0.137,1.498], g[0.028,1.687]
1/1 [=====] - 0s 76ms/step
>114, dr[0.056,0.676], df[0.182,1.496], g[0.086,1.337]
1/1 [=====] - 0s 76ms/step
>115, dr[0.045,0.781], df[0.115,1.598], g[0.084,1.410]
1/1 [=====] - 0s 76ms/step
>116, dr[0.057,1.046], df[0.102,1.586], g[0.051,0.982]
1/1 [=====] - 0s 77ms/step
>117, dr[0.045,0.646], df[0.065,1.507], g[0.067,1.217]
1/1 [=====] - 0s 69ms/step
>118, dr[0.071,0.862], df[0.156,1.289], g[0.021,1.313]
1/1 [=====] - 0s 78ms/step
>119, dr[0.056,0.803], df[0.254,1.061], g[0.055,1.282]
1/1 [=====] - 0s 74ms/step
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>120, dr[0.039,0.718], df[0.086,1.247], g[0.079,0.916]
1/1 [=====] - 0s 83ms/step
>121, dr[0.047,0.717], df[0.076,1.338], g[0.049,1.331]
1/1 [=====] - 0s 70ms/step
>122, dr[0.057,0.864], df[0.050,0.873], g[0.082,1.308]
1/1 [=====] - 0s 81ms/step
>123, dr[0.081,1.115], df[0.046,1.395], g[0.056,0.984]
1/1 [=====] - 0s 75ms/step
>124, dr[0.064,1.544], df[0.114,1.071], g[0.031,1.152]
1/1 [=====] - 0s 83ms/step
>125, dr[0.057,1.296], df[0.043,1.015], g[0.035,0.895]
1/1 [=====] - 0s 70ms/step
>126, dr[0.096,1.077], df[0.090,0.725], g[0.045,0.846]
1/1 [=====] - 0s 72ms/step
>127, dr[0.066,1.338], df[0.135,1.065], g[0.034,0.647]
1/1 [=====] - 0s 78ms/step
>128, dr[0.062,0.848], df[0.263,0.918], g[0.038,0.911]
1/1 [=====] - 0s 79ms/step
>129, dr[0.040,0.953], df[0.176,0.909], g[0.057,0.741]
1/1 [=====] - 0s 74ms/step
>130, dr[0.067,0.660], df[0.059,0.799], g[0.052,0.773]
1/1 [=====] - 0s 71ms/step
>131, dr[0.057,1.206], df[0.025,0.940], g[0.071,0.776]
1/1 [=====] - 0s 69ms/step
>132, dr[0.053,1.119], df[0.041,0.848], g[0.035,0.836]
1/1 [=====] - 0s 69ms/step
>133, dr[0.072,0.989], df[0.057,0.834], g[0.036,0.691]
1/1 [=====] - 0s 70ms/step
>134, dr[0.026,0.917], df[0.067,1.047], g[0.032,0.810]
1/1 [=====] - 0s 68ms/step
>135, dr[0.054,0.967], df[0.069,0.760], g[0.021,1.110]
1/1 [=====] - 0s 72ms/step
>136, dr[0.102,0.941], df[0.048,0.680], g[0.027,0.912]
1/1 [=====] - 0s 79ms/step
>137, dr[0.032,1.541], df[0.058,0.802], g[0.030,0.663]
1/1 [=====] - 0s 83ms/step
>138, dr[0.152,0.752], df[0.056,0.989], g[0.031,0.555]
1/1 [=====] - 0s 73ms/step
>139, dr[0.026,0.738], df[0.135,0.724], g[0.061,0.609]
1/1 [=====] - 0s 75ms/step
>140, dr[0.033,0.789], df[0.106,0.682], g[0.036,0.629]
1/1 [=====] - 0s 66ms/step
>141, dr[0.044,0.977], df[0.185,0.695], g[0.080,0.546]
1/1 [=====] - 0s 81ms/step
>142, dr[0.024,1.500], df[0.115,0.505], g[0.039,0.581]
1/1 [=====] - 0s 69ms/step
>143, dr[0.098,0.979], df[0.048,0.752], g[0.036,0.600]
1/1 [=====] - 0s 79ms/step
>144, dr[0.029,1.166], df[0.067,0.740], g[0.037,0.441]
1/1 [=====] - 0s 67ms/step
>145, dr[0.055,0.773], df[0.074,0.491], g[0.057,0.532]
1/1 [=====] - 0s 77ms/step
>146, dr[0.077,0.671], df[0.036,0.493], g[0.035,0.533]
1/1 [=====] - 0s 72ms/step
>147, dr[0.063,0.968], df[0.080,0.524], g[0.039,0.608]
1/1 [=====] - 0s 72ms/step
>148, dr[0.035,0.876], df[0.084,0.415], g[0.051,0.348]
1/1 [=====] - 0s 80ms/step
>149, dr[0.052,1.125], df[0.035,0.481], g[0.043,0.538]
1/1 [=====] - 0s 67ms/step
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>150, dr[0.027,1.018], df[0.034,0.707], g[0.036,0.494]
1/1 [=====] - 0s 80ms/step
>151, dr[0.037,1.228], df[0.033,0.550], g[0.058,0.507]
1/1 [=====] - 0s 68ms/step
>152, dr[0.062,0.881], df[0.059,0.435], g[0.046,0.453]
1/1 [=====] - 0s 77ms/step
>153, dr[0.035,1.094], df[0.084,0.409], g[0.028,0.388]
1/1 [=====] - 0s 75ms/step
>154, dr[0.033,0.516], df[0.060,0.443], g[0.045,0.338]
1/1 [=====] - 0s 82ms/step
>155, dr[0.036,0.757], df[0.040,0.421], g[0.035,0.358]
1/1 [=====] - 0s 72ms/step
>156, dr[0.033,1.259], df[0.104,0.435], g[0.047,0.289]
1/1 [=====] - 0s 80ms/step
>157, dr[0.038,1.078], df[0.063,0.441], g[0.052,0.346]
1/1 [=====] - 0s 75ms/step
>158, dr[0.045,0.624], df[0.123,0.427], g[0.046,0.376]
1/1 [=====] - 0s 82ms/step
>159, dr[0.038,0.666], df[0.032,0.541], g[0.052,0.425]
1/1 [=====] - 0s 70ms/step
>160, dr[0.079,1.213], df[0.012,0.598], g[0.032,0.250]
1/1 [=====] - 0s 71ms/step
>161, dr[0.039,1.137], df[0.015,0.461], g[0.026,0.334]
1/1 [=====] - 0s 69ms/step
>162, dr[0.017,0.777], df[0.041,0.533], g[0.017,0.357]
1/1 [=====] - 0s 72ms/step
>163, dr[0.021,1.448], df[0.084,0.436], g[0.026,0.289]
1/1 [=====] - 0s 69ms/step
>164, dr[0.044,1.312], df[0.055,0.353], g[0.049,0.252]
1/1 [=====] - 0s 71ms/step
>165, dr[0.031,0.510], df[0.073,0.458], g[0.036,0.204]
1/1 [=====] - 0s 74ms/step
>166, dr[0.018,1.280], df[0.069,0.298], g[0.035,0.214]
1/1 [=====] - 0s 69ms/step
>167, dr[0.028,0.600], df[0.064,0.458], g[0.027,0.161]
1/1 [=====] - 0s 76ms/step
>168, dr[0.035,0.833], df[0.034,0.304], g[0.035,0.245]
1/1 [=====] - 0s 70ms/step
>169, dr[0.042,1.026], df[0.036,0.370], g[0.047,0.260]
1/1 [=====] - 0s 75ms/step
>170, dr[0.032,0.853], df[0.033,0.373], g[0.027,0.221]
1/1 [=====] - 0s 71ms/step
>171, dr[0.061,0.667], df[0.022,0.303], g[0.018,0.394]
1/1 [=====] - 0s 71ms/step
>172, dr[0.083,1.030], df[0.026,0.364], g[0.018,0.221]
1/1 [=====] - 0s 76ms/step
>173, dr[0.023,0.811], df[0.034,0.347], g[0.023,0.191]
1/1 [=====] - 0s 71ms/step
>174, dr[0.026,0.931], df[0.032,0.218], g[0.027,0.150]
1/1 [=====] - 0s 74ms/step
>175, dr[0.019,0.936], df[0.022,0.378], g[0.027,0.244]
1/1 [=====] - 0s 77ms/step
>176, dr[0.034,0.895], df[0.037,0.313], g[0.017,0.204]
1/1 [=====] - 0s 73ms/step
>177, dr[0.041,0.954], df[0.052,0.224], g[0.014,0.220]
1/1 [=====] - 0s 189ms/step
>178, dr[0.034,1.041], df[0.022,0.214], g[0.014,0.234]
1/1 [=====] - 0s 91ms/step
>179, dr[0.013,0.619], df[0.060,0.223], g[0.015,0.227]
1/1 [=====] - 0s 82ms/step
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>180, dr[0.015,1.017], df[0.035,0.202], g[0.029,0.209]
1/1 [=====] - 0s 74ms/step
>181, dr[0.024,1.048], df[0.017,0.284], g[0.028,0.183]
1/1 [=====] - 0s 78ms/step
>182, dr[0.019,1.169], df[0.051,0.173], g[0.029,0.083]
1/1 [=====] - 0s 126ms/step
>183, dr[0.028,0.750], df[0.016,0.326], g[0.035,0.169]
1/1 [=====] - 0s 78ms/step
>184, dr[0.022,0.949], df[0.013,0.224], g[0.030,0.165]
1/1 [=====] - 0s 80ms/step
>185, dr[0.014,0.930], df[0.018,0.261], g[0.014,0.149]
1/1 [=====] - 0s 68ms/step
>186, dr[0.030,0.873], df[0.015,0.281], g[0.011,0.184]
1/1 [=====] - 0s 70ms/step
>187, dr[0.042,0.924], df[0.020,0.330], g[0.015,0.157]
1/1 [=====] - 0s 78ms/step
>188, dr[0.006,0.655], df[0.040,0.126], g[0.020,0.169]
1/1 [=====] - 0s 65ms/step
>189, dr[0.026,0.996], df[0.080,0.153], g[0.022,0.115]
1/1 [=====] - 0s 73ms/step
>190, dr[0.031,0.670], df[0.014,0.157], g[0.026,0.157]
1/1 [=====] - 0s 84ms/step
>191, dr[0.015,0.731], df[0.020,0.194], g[0.021,0.174]
1/1 [=====] - 0s 71ms/step
>192, dr[0.023,1.111], df[0.036,0.144], g[0.020,0.100]
1/1 [=====] - 0s 80ms/step
>193, dr[0.016,0.690], df[0.030,0.112], g[0.036,0.097]
1/1 [=====] - 0s 77ms/step
>194, dr[0.033,1.072], df[0.027,0.076], g[0.024,0.116]
1/1 [=====] - 0s 84ms/step
>195, dr[0.025,0.890], df[0.006,0.258], g[0.018,0.090]
1/1 [=====] - 0s 86ms/step
>196, dr[0.007,0.652], df[0.010,0.142], g[0.030,0.094]
1/1 [=====] - 0s 75ms/step
>197, dr[0.047,0.463], df[0.023,0.136], g[0.010,0.094]
1/1 [=====] - 0s 81ms/step
>198, dr[0.098,1.210], df[0.024,0.208], g[0.011,0.133]
1/1 [=====] - 0s 71ms/step
>199, dr[0.019,0.819], df[0.030,0.148], g[0.016,0.086]
1/1 [=====] - 0s 81ms/step
>200, dr[0.012,1.336], df[0.030,0.166], g[0.011,0.089]
1/1 [=====] - 0s 72ms/step
>201, dr[0.014,1.129], df[0.069,0.080], g[0.022,0.091]
1/1 [=====] - 0s 77ms/step
>202, dr[0.014,1.309], df[0.015,0.197], g[0.021,0.097]
1/1 [=====] - 0s 81ms/step
>203, dr[0.023,0.432], df[0.013,0.147], g[0.020,0.109]
1/1 [=====] - 0s 85ms/step
>204, dr[0.010,0.770], df[0.014,0.095], g[0.023,0.087]
1/1 [=====] - 0s 82ms/step
>205, dr[0.010,0.926], df[0.010,0.139], g[0.014,0.078]
1/1 [=====] - 0s 79ms/step
>206, dr[0.054,0.871], df[0.009,0.129], g[0.009,0.098]
1/1 [=====] - 0s 76ms/step
>207, dr[0.009,0.626], df[0.022,0.101], g[0.021,0.052]
1/1 [=====] - 0s 86ms/step
>208, dr[0.007,1.172], df[0.018,0.136], g[0.015,0.077]
1/1 [=====] - 0s 80ms/step
>209, dr[0.010,0.862], df[0.021,0.106], g[0.013,0.066]
1/1 [=====] - 0s 87ms/step
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>210, dr[0.019,0.648], df[0.014,0.167], g[0.015,0.066]
1/1 [=====] - 0s 80ms/step
>211, dr[0.018,1.285], df[0.030,0.063], g[0.016,0.046]
1/1 [=====] - 0s 81ms/step
>212, dr[0.021,1.525], df[0.030,0.109], g[0.024,0.071]
1/1 [=====] - 0s 85ms/step
>213, dr[0.009,0.769], df[0.022,0.078], g[0.015,0.076]
1/1 [=====] - 0s 85ms/step
>214, dr[0.016,0.718], df[0.019,0.111], g[0.008,0.075]
1/1 [=====] - 0s 84ms/step
>215, dr[0.014,1.319], df[0.045,0.111], g[0.018,0.097]
1/1 [=====] - 0s 83ms/step
>216, dr[0.009,0.808], df[0.022,0.084], g[0.014,0.066]
1/1 [=====] - 0s 83ms/step
>217, dr[0.014,0.803], df[0.027,0.116], g[0.022,0.075]
1/1 [=====] - 0s 106ms/step
>218, dr[0.020,1.700], df[0.027,0.140], g[0.020,0.076]
1/1 [=====] - 0s 83ms/step
>219, dr[0.014,0.727], df[0.019,0.080], g[0.031,0.059]
1/1 [=====] - 0s 100ms/step
>220, dr[0.017,0.693], df[0.028,0.091], g[0.012,0.044]
1/1 [=====] - 0s 83ms/step
>221, dr[0.054,0.505], df[0.019,0.091], g[0.010,0.090]
1/1 [=====] - 0s 90ms/step
>222, dr[0.012,0.879], df[0.027,0.093], g[0.019,0.075]
1/1 [=====] - 0s 89ms/step
>223, dr[0.007,0.806], df[0.041,0.085], g[0.021,0.057]
1/1 [=====] - 0s 81ms/step
>224, dr[0.081,0.929], df[0.014,0.151], g[0.023,0.075]
1/1 [=====] - 0s 79ms/step
>225, dr[0.050,1.186], df[0.036,0.079], g[0.015,0.081]
1/1 [=====] - 0s 86ms/step
>226, dr[0.021,0.440], df[0.021,0.114], g[0.024,0.062]
1/1 [=====] - 0s 89ms/step
>227, dr[0.010,1.257], df[0.010,0.118], g[0.025,0.049]
1/1 [=====] - 0s 106ms/step
>228, dr[0.019,1.023], df[0.023,0.085], g[0.015,0.050]
1/1 [=====] - 0s 71ms/step
>229, dr[0.024,0.736], df[0.024,0.080], g[0.009,0.059]
1/1 [=====] - 0s 81ms/step
>230, dr[0.019,0.688], df[0.032,0.053], g[0.011,0.064]
1/1 [=====] - 0s 82ms/step
>231, dr[0.016,0.717], df[0.017,0.116], g[0.019,0.047]
1/1 [=====] - 0s 93ms/step
>232, dr[0.031,1.020], df[0.018,0.094], g[0.015,0.054]
1/1 [=====] - 0s 87ms/step
>233, dr[0.033,0.834], df[0.014,0.048], g[0.011,0.036]
1/1 [=====] - 0s 83ms/step
>234, dr[0.013,0.918], df[0.032,0.081], g[0.019,0.059]
1/1 [=====] - 0s 82ms/step
>235, dr[0.023,1.159], df[0.016,0.076], g[0.018,0.056]
1/1 [=====] - 0s 93ms/step
>236, dr[0.020,0.795], df[0.022,0.069], g[0.013,0.067]
1/1 [=====] - 0s 79ms/step
>237, dr[0.014,0.648], df[0.013,0.066], g[0.012,0.039]
1/1 [=====] - 0s 104ms/step
>238, dr[0.016,0.684], df[0.030,0.044], g[0.021,0.059]
1/1 [=====] - 0s 103ms/step
>239, dr[0.034,0.368], df[0.013,0.073], g[0.015,0.050]
1/1 [=====] - 0s 105ms/step
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>240, dr[0.028,0.805], df[0.064,0.059], g[0.015,0.074]
1/1 [=====] - 0s 90ms/step
>241, dr[0.017,0.910], df[0.020,0.076], g[0.068,0.041]
1/1 [=====] - 0s 84ms/step
>242, dr[0.029,0.700], df[0.003,0.091], g[0.033,0.045]
1/1 [=====] - 0s 86ms/step
>243, dr[0.023,0.624], df[0.014,0.077], g[0.007,0.055]
1/1 [=====] - 0s 84ms/step
>244, dr[0.014,0.364], df[0.032,0.062], g[0.014,0.053]
1/1 [=====] - 0s 88ms/step
>245, dr[0.020,1.095], df[0.018,0.038], g[0.011,0.060]
1/1 [=====] - 0s 71ms/step
>246, dr[0.018,0.872], df[0.026,0.107], g[0.016,0.059]
1/1 [=====] - 0s 79ms/step
>247, dr[0.026,0.875], df[0.037,0.067], g[0.021,0.058]
1/1 [=====] - 0s 74ms/step
>248, dr[0.020,0.680], df[0.035,0.063], g[0.042,0.044]
1/1 [=====] - 0s 78ms/step
>249, dr[0.029,0.891], df[0.040,0.056], g[0.026,0.042]
1/1 [=====] - 0s 83ms/step
>250, dr[0.027,0.929], df[0.007,0.046], g[0.045,0.060]
1/1 [=====] - 0s 83ms/step
>251, dr[0.028,0.533], df[0.013,0.135], g[0.018,0.061]
1/1 [=====] - 0s 72ms/step
>252, dr[0.030,0.966], df[0.041,0.078], g[0.012,0.048]
1/1 [=====] - 0s 82ms/step
>253, dr[0.045,0.703], df[0.011,0.051], g[0.023,0.071]
1/1 [=====] - 0s 105ms/step
>254, dr[0.065,1.184], df[0.037,0.084], g[0.009,0.089]
1/1 [=====] - 0s 110ms/step
>255, dr[0.020,0.719], df[0.044,0.069], g[0.016,0.059]
1/1 [=====] - 0s 174ms/step
>256, dr[0.011,0.777], df[0.006,0.072], g[0.056,0.037]
1/1 [=====] - 0s 92ms/step
>257, dr[0.024,0.717], df[0.014,0.058], g[0.045,0.044]
1/1 [=====] - 0s 81ms/step
>258, dr[0.023,0.690], df[0.020,0.064], g[0.008,0.056]
1/1 [=====] - 0s 112ms/step
>259, dr[0.013,1.354], df[0.014,0.061], g[0.008,0.079]
1/1 [=====] - 0s 92ms/step
>260, dr[0.015,1.189], df[0.009,0.091], g[0.007,0.047]
1/1 [=====] - 0s 91ms/step
>261, dr[0.034,1.104], df[0.020,0.071], g[0.011,0.053]
1/1 [=====] - 0s 106ms/step
>262, dr[0.012,1.002], df[0.012,0.056], g[0.012,0.040]
1/1 [=====] - 0s 103ms/step
>263, dr[0.024,0.703], df[0.050,0.051], g[0.018,0.032]
1/1 [=====] - 0s 115ms/step
>264, dr[0.025,0.778], df[0.010,0.042], g[0.043,0.046]
1/1 [=====] - 0s 93ms/step
>265, dr[0.022,0.980], df[0.024,0.096], g[0.025,0.041]
1/1 [=====] - 0s 91ms/step
>266, dr[0.058,0.413], df[0.022,0.031], g[0.014,0.043]
1/1 [=====] - 0s 84ms/step
>267, dr[0.017,1.077], df[0.021,0.061], g[0.011,0.040]
1/1 [=====] - 0s 76ms/step
>268, dr[0.010,0.990], df[0.030,0.062], g[0.019,0.051]
1/1 [=====] - 0s 82ms/step
>269, dr[0.017,0.866], df[0.013,0.067], g[0.027,0.094]
1/1 [=====] - 0s 113ms/step
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>270, dr[0.020,1.541], df[0.018,0.047], g[0.033,0.060]
1/1 [=====] - 0s 109ms/step
>271, dr[0.020,0.744], df[0.012,0.035], g[0.024,0.045]
1/1 [=====] - 0s 114ms/step
>272, dr[0.013,0.910], df[0.011,0.045], g[0.027,0.053]
1/1 [=====] - 0s 107ms/step
>273, dr[0.024,0.437], df[0.008,0.107], g[0.012,0.050]
1/1 [=====] - 0s 106ms/step
>274, dr[0.013,0.473], df[0.063,0.052], g[0.032,0.059]
1/1 [=====] - 0s 110ms/step
>275, dr[0.036,0.523], df[0.010,0.038], g[0.048,0.054]
1/1 [=====] - 0s 104ms/step
>276, dr[0.049,0.626], df[0.019,0.047], g[0.022,0.043]
1/1 [=====] - 0s 76ms/step
>277, dr[0.027,1.121], df[0.022,0.064], g[0.023,0.063]
1/1 [=====] - 0s 84ms/step
>278, dr[0.022,0.694], df[0.036,0.046], g[0.046,0.051]
1/1 [=====] - 0s 75ms/step
>279, dr[0.017,0.848], df[0.004,0.059], g[0.037,0.041]
1/1 [=====] - 0s 77ms/step
>280, dr[0.038,0.597], df[0.013,0.056], g[0.018,0.050]
1/1 [=====] - 0s 82ms/step
>281, dr[0.011,1.269], df[0.039,0.043], g[0.024,0.054]
1/1 [=====] - 0s 81ms/step
>282, dr[0.014,0.927], df[0.006,0.081], g[0.025,0.054]
1/1 [=====] - 0s 89ms/step
>283, dr[0.028,0.920], df[0.050,0.037], g[0.040,0.075]
1/1 [=====] - 0s 90ms/step
>284, dr[0.028,0.711], df[0.007,0.078], g[0.021,0.061]
1/1 [=====] - 0s 93ms/step
>285, dr[0.042,1.153], df[0.066,0.053], g[0.048,0.044]
1/1 [=====] - 0s 81ms/step
>286, dr[0.028,0.851], df[0.013,0.071], g[0.112,0.061]
1/1 [=====] - 0s 79ms/step
>287, dr[0.036,0.902], df[0.031,0.059], g[0.057,0.115]
1/1 [=====] - 0s 90ms/step
>288, dr[0.043,0.899], df[0.018,0.052], g[0.079,0.105]
1/1 [=====] - 0s 95ms/step
>289, dr[0.028,0.720], df[0.030,0.043], g[0.021,0.073]
1/1 [=====] - 0s 83ms/step
>290, dr[0.039,0.897], df[0.056,0.035], g[0.122,0.052]
1/1 [=====] - 0s 81ms/step
>291, dr[0.192,0.782], df[0.015,0.057], g[0.030,0.074]
1/1 [=====] - 0s 92ms/step
>292, dr[0.043,1.219], df[0.038,0.033], g[0.056,0.075]
1/1 [=====] - 0s 89ms/step
>293, dr[0.024,0.491], df[0.057,0.051], g[0.120,0.110]
1/1 [=====] - 0s 73ms/step
>294, dr[0.036,0.961], df[0.007,0.073], g[0.068,0.102]
1/1 [=====] - 0s 76ms/step
>295, dr[0.027,0.658], df[0.028,0.070], g[0.028,0.074]
1/1 [=====] - 0s 70ms/step
>296, dr[0.015,1.006], df[0.024,0.049], g[0.057,0.069]
1/1 [=====] - 0s 76ms/step
>297, dr[0.025,1.294], df[0.006,0.047], g[0.021,0.094]
1/1 [=====] - 0s 82ms/step
>298, dr[0.128,1.266], df[0.071,0.083], g[0.011,0.118]
1/1 [=====] - 0s 76ms/step
>299, dr[0.017,0.808], df[0.010,0.029], g[0.063,0.062]
1/1 [=====] - 0s 76ms/step
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>300, dr[0.013,0.640], df[0.029,0.078], g[0.066,0.040]
1/1 [=====] - 0s 71ms/step
>301, dr[0.035,0.856], df[0.037,0.049], g[0.047,0.076]
1/1 [=====] - 0s 72ms/step
>302, dr[0.011,0.535], df[0.045,0.063], g[0.318,0.093]
1/1 [=====] - 0s 72ms/step
>303, dr[0.079,0.888], df[0.033,0.090], g[0.128,0.175]
1/1 [=====] - 0s 81ms/step
>304, dr[0.049,0.997], df[0.043,0.074], g[0.126,0.185]
1/1 [=====] - 0s 75ms/step
>305, dr[0.039,0.720], df[0.006,0.136], g[0.004,0.131]
1/1 [=====] - 0s 80ms/step
>306, dr[0.016,1.005], df[0.019,0.068], g[0.004,0.141]
1/1 [=====] - 0s 72ms/step
>307, dr[0.010,1.299], df[0.071,0.087], g[0.058,0.104]
1/1 [=====] - 0s 73ms/step
>308, dr[0.022,0.461], df[0.001,0.083], g[0.130,0.118]
1/1 [=====] - 0s 70ms/step
>309, dr[0.020,0.821], df[0.002,0.077], g[0.152,0.123]
1/1 [=====] - 0s 80ms/step
>310, dr[0.047,0.753], df[0.007,0.094], g[0.006,0.086]
1/1 [=====] - 0s 73ms/step
>311, dr[0.009,0.764], df[0.136,0.067], g[0.235,0.078]
1/1 [=====] - 0s 76ms/step
>312, dr[0.088,0.710], df[0.003,0.064], g[0.296,0.155]
1/1 [=====] - 0s 70ms/step
>313, dr[0.117,0.551], df[0.026,0.108], g[0.028,0.187]
1/1 [=====] - 0s 87ms/step
>314, dr[0.017,0.775], df[0.028,0.062], g[0.046,0.136]
1/1 [=====] - 0s 73ms/step
>315, dr[0.047,0.289], df[0.008,0.100], g[0.016,0.140]
1/1 [=====] - 0s 92ms/step
>316, dr[0.016,0.817], df[0.019,0.120], g[0.075,0.068]
1/1 [=====] - 0s 75ms/step
>317, dr[0.022,0.676], df[0.012,0.051], g[0.077,0.107]
1/1 [=====] - 0s 68ms/step
>318, dr[0.011,0.641], df[0.016,0.061], g[0.268,0.072]
1/1 [=====] - 0s 70ms/step
>319, dr[0.078,0.434], df[0.058,0.037], g[0.116,0.195]
1/1 [=====] - 0s 70ms/step
>320, dr[0.017,0.951], df[0.013,0.059], g[0.400,0.098]
1/1 [=====] - 0s 78ms/step
>321, dr[0.066,0.397], df[0.042,0.096], g[0.184,0.104]
1/1 [=====] - 0s 76ms/step
>322, dr[0.046,0.963], df[0.087,0.102], g[0.668,0.158]
1/1 [=====] - 0s 86ms/step
>323, dr[0.055,1.378], df[0.005,0.112], g[0.326,0.172]
1/1 [=====] - 0s 68ms/step
>324, dr[0.079,0.650], df[0.416,0.103], g[13.683,0.636]
1/1 [=====] - 0s 75ms/step
>325, dr[2.352,1.059], df[0.077,0.155], g[0.372,0.315]
1/1 [=====] - 0s 73ms/step
>326, dr[0.008,0.780], df[1.372,0.539], g[1.869,0.207]
1/1 [=====] - 0s 74ms/step
>327, dr[0.024,0.982], df[0.004,0.384], g[3.637,0.316]
1/1 [=====] - 0s 74ms/step
>328, dr[0.471,1.207], df[0.057,0.205], g[0.520,0.605]
1/1 [=====] - 0s 82ms/step
>329, dr[0.063,1.048], df[0.131,0.196], g[0.611,0.386]
1/1 [=====] - 0s 73ms/step
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>330, dr[0.028,0.934], df[0.043,0.151], g[0.751,0.224]
1/1 [=====] - 0s 76ms/step
>331, dr[0.016,1.048], df[0.096,0.146], g[1.173,0.263]
1/1 [=====] - 0s 73ms/step
>332, dr[0.026,0.735], df[0.019,0.193], g[1.258,0.319]
1/1 [=====] - 0s 77ms/step
>333, dr[0.069,0.712], df[0.038,0.201], g[0.827,0.219]
1/1 [=====] - 0s 69ms/step
>334, dr[0.041,0.378], df[0.100,0.122], g[0.851,0.161]
1/1 [=====] - 0s 69ms/step
>335, dr[0.016,0.591], df[0.059,0.143], g[0.635,0.133]
1/1 [=====] - 0s 70ms/step
>336, dr[0.242,0.843], df[0.072,0.243], g[0.226,0.179]
1/1 [=====] - 0s 75ms/step
>337, dr[0.018,0.650], df[0.040,0.206], g[0.285,0.199]
1/1 [=====] - 0s 72ms/step
>338, dr[0.041,0.806], df[0.056,0.139], g[0.547,0.080]
1/1 [=====] - 0s 76ms/step
>339, dr[0.033,1.148], df[0.014,0.107], g[0.333,0.095]
1/1 [=====] - 0s 77ms/step
>340, dr[0.044,0.898], df[0.045,0.207], g[0.147,0.111]
1/1 [=====] - 0s 70ms/step
>341, dr[0.031,1.034], df[0.032,0.195], g[0.224,0.053]
1/1 [=====] - 0s 77ms/step
>342, dr[0.021,0.986], df[0.101,0.123], g[0.941,0.106]
1/1 [=====] - 0s 72ms/step
>343, dr[0.090,0.828], df[0.004,0.083], g[0.872,0.148]
1/1 [=====] - 0s 77ms/step
>344, dr[0.060,1.241], df[0.038,0.085], g[0.614,0.092]
1/1 [=====] - 0s 71ms/step
>345, dr[0.029,0.500], df[0.022,0.098], g[0.713,0.112]
1/1 [=====] - 0s 75ms/step
>346, dr[0.034,1.209], df[0.017,0.065], g[0.710,0.106]
1/1 [=====] - 0s 68ms/step
>347, dr[0.068,0.653], df[0.022,0.118], g[0.384,0.063]
1/1 [=====] - 0s 77ms/step
>348, dr[0.041,0.470], df[0.102,0.035], g[1.514,0.076]
1/1 [=====] - 0s 76ms/step
>349, dr[0.081,1.196], df[0.005,0.065], g[2.320,0.096]
1/1 [=====] - 0s 100ms/step
>350, dr[0.042,1.005], df[0.021,0.091], g[0.840,0.128]
1/1 [=====] - 0s 80ms/step
>351, dr[0.040,0.735], df[0.088,0.140], g[1.326,0.104]
1/1 [=====] - 0s 80ms/step
>352, dr[0.095,0.706], df[0.032,0.063], g[1.312,0.164]
1/1 [=====] - 0s 85ms/step
>353, dr[0.037,0.995], df[0.033,0.100], g[0.974,0.120]
1/1 [=====] - 0s 85ms/step
>354, dr[0.101,0.698], df[0.081,0.116], g[1.162,0.142]
1/1 [=====] - 0s 75ms/step
>355, dr[0.093,0.897], df[0.144,0.114], g[2.422,0.129]
1/1 [=====] - 0s 73ms/step
>356, dr[0.069,0.608], df[0.044,0.205], g[3.135,0.188]
1/1 [=====] - 0s 75ms/step
>357, dr[0.094,1.015], df[0.102,0.159], g[2.043,0.292]
1/1 [=====] - 0s 79ms/step
>358, dr[0.068,0.614], df[0.106,0.196], g[1.646,0.184]
1/1 [=====] - 0s 76ms/step
>359, dr[0.062,0.763], df[0.023,0.219], g[1.593,0.174]
1/1 [=====] - 0s 78ms/step
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>360, dr[0.103,0.749], df[0.186,0.059], g[1.968,0.191]
1/1 [=====] - 0s 80ms/step
>361, dr[0.253,0.494], df[0.070,0.070], g[0.816,0.256]
1/1 [=====] - 0s 75ms/step
>362, dr[0.027,0.756], df[0.026,0.054], g[1.288,0.108]
1/1 [=====] - 0s 71ms/step
>363, dr[0.096,0.621], df[0.032,0.088], g[0.669,0.114]
1/1 [=====] - 0s 77ms/step
>364, dr[0.068,0.841], df[0.193,0.139], g[4.338,0.088]
1/1 [=====] - 0s 68ms/step
>365, dr[0.293,1.116], df[0.015,0.117], g[3.259,0.089]
1/1 [=====] - 0s 78ms/step
>366, dr[0.108,0.850], df[0.553,0.166], g[5.487,0.145]
1/1 [=====] - 0s 67ms/step
>367, dr[0.706,0.530], df[0.359,0.172], g[2.395,0.187]
1/1 [=====] - 0s 75ms/step
>368, dr[0.120,0.954], df[0.060,0.188], g[1.798,0.206]
1/1 [=====] - 0s 69ms/step
>369, dr[0.156,0.652], df[0.116,0.125], g[0.680,0.162]
1/1 [=====] - 0s 72ms/step
>370, dr[0.073,0.268], df[0.102,0.081], g[0.851,0.139]
1/1 [=====] - 0s 79ms/step
>371, dr[0.139,0.718], df[0.105,0.180], g[0.466,0.205]
1/1 [=====] - 0s 69ms/step
>372, dr[0.155,0.740], df[0.354,0.108], g[1.093,0.097]
1/1 [=====] - 0s 79ms/step
>373, dr[0.248,1.674], df[0.126,0.080], g[1.572,0.189]
1/1 [=====] - 0s 71ms/step
>374, dr[0.486,1.076], df[0.706,0.055], g[8.433,0.190]
1/1 [=====] - 0s 74ms/step
>375, dr[0.624,0.438], df[0.112,0.308], g[5.940,0.218]
1/1 [=====] - 0s 71ms/step
>376, dr[0.528,0.850], df[3.837,1.164], g[3.737,0.290]
1/1 [=====] - 0s 71ms/step
>377, dr[0.598,1.077], df[0.001,0.838], g[1.493,0.254]
1/1 [=====] - 0s 77ms/step
>378, dr[0.383,0.764], df[0.058,0.357], g[0.178,0.135]
1/1 [=====] - 0s 75ms/step
>379, dr[0.018,0.695], df[0.474,0.137], g[0.169,0.101]
1/1 [=====] - 0s 73ms/step
>380, dr[0.175,0.683], df[0.164,0.080], g[0.256,0.169]
1/1 [=====] - 0s 74ms/step
>381, dr[0.132,0.487], df[0.325,0.110], g[0.170,0.136]
1/1 [=====] - 0s 66ms/step
>382, dr[0.417,0.606], df[1.181,0.074], g[1.359,0.158]
1/1 [=====] - 0s 79ms/step
>383, dr[0.802,0.660], df[1.122,0.096], g[5.213,0.110]
1/1 [=====] - 0s 82ms/step
>384, dr[2.467,0.916], df[0.838,0.091], g[7.879,0.123]
1/1 [=====] - 0s 77ms/step
>385, dr[1.033,0.806], df[0.003,0.089], g[4.834,0.045]
1/1 [=====] - 0s 65ms/step
>386, dr[0.250,0.378], df[0.253,0.079], g[1.863,0.087]
1/1 [=====] - 0s 73ms/step
>387, dr[0.051,1.122], df[1.095,0.277], g[2.858,0.142]
1/1 [=====] - 0s 67ms/step
>388, dr[0.555,0.399], df[0.333,0.621], g[2.148,0.202]
1/1 [=====] - 0s 66ms/step
>389, dr[0.309,0.893], df[0.098,0.516], g[1.801,0.245]
1/1 [=====] - 0s 76ms/step
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>390, dr[0.274,0.338], df[0.129,0.083], g[0.948,0.150]
1/1 [=====] - 0s 76ms/step
>391, dr[0.122,0.564], df[0.214,0.096], g[0.491,0.118]
1/1 [=====] - 0s 109ms/step
>392, dr[0.157,0.911], df[0.238,0.192], g[0.786,0.113]
1/1 [=====] - 0s 96ms/step
>393, dr[0.178,0.528], df[0.287,0.060], g[0.830,0.077]
1/1 [=====] - 0s 96ms/step
>394, dr[0.154,0.791], df[0.415,0.058], g[1.367,0.084]
1/1 [=====] - 0s 115ms/step
>395, dr[0.232,1.068], df[0.625,0.032], g[1.699,0.097]
1/1 [=====] - 0s 101ms/step
>396, dr[0.751,0.923], df[1.053,0.075], g[1.391,0.105]
1/1 [=====] - 0s 102ms/step
>397, dr[0.866,0.811], df[1.586,0.058], g[3.813,0.064]
1/1 [=====] - 0s 109ms/step
>398, dr[1.319,0.565], df[0.243,0.047], g[1.882,0.043]
1/1 [=====] - 0s 116ms/step
>399, dr[0.813,0.864], df[0.458,0.070], g[1.769,0.099]
1/1 [=====] - 0s 90ms/step
>400, dr[0.363,0.768], df[0.962,0.054], g[1.902,0.063]
1/1 [=====] - 0s 108ms/step
>401, dr[0.565,0.993], df[0.187,0.056], g[1.740,0.178]
1/1 [=====] - 0s 75ms/step
>402, dr[0.548,0.240], df[0.669,0.133], g[0.954,0.126]
1/1 [=====] - 0s 93ms/step
>403, dr[0.451,1.109], df[0.642,0.049], g[0.960,0.120]
1/1 [=====] - 0s 73ms/step
>404, dr[0.519,0.656], df[0.745,0.059], g[1.129,0.179]
1/1 [=====] - 0s 75ms/step
>405, dr[0.935,0.938], df[0.973,0.037], g[1.093,0.176]
1/1 [=====] - 0s 69ms/step
>406, dr[1.001,0.907], df[0.951,0.030], g[0.648,0.298]
1/1 [=====] - 0s 71ms/step
>407, dr[0.804,0.962], df[0.675,0.088], g[1.044,0.217]
1/1 [=====] - 0s 80ms/step
>408, dr[1.177,0.736], df[0.610,0.045], g[0.594,0.206]
1/1 [=====] - 0s 78ms/step
>409, dr[0.904,1.549], df[0.718,0.024], g[0.426,0.268]
1/1 [=====] - 0s 79ms/step
>410, dr[0.567,1.398], df[0.204,0.034], g[0.345,0.245]
1/1 [=====] - 0s 78ms/step
>411, dr[0.481,0.491], df[0.507,0.024], g[0.389,0.140]
1/1 [=====] - 0s 69ms/step
>412, dr[0.288,0.906], df[0.598,0.065], g[0.380,0.137]
1/1 [=====] - 0s 74ms/step
>413, dr[0.221,0.487], df[0.330,0.064], g[0.464,0.193]
1/1 [=====] - 0s 76ms/step
>414, dr[0.776,0.964], df[0.842,0.037], g[0.567,0.202]
1/1 [=====] - 0s 74ms/step
>415, dr[0.531,0.678], df[0.534,0.208], g[0.584,0.118]
1/1 [=====] - 0s 78ms/step
>416, dr[0.426,0.364], df[0.404,0.075], g[0.390,0.121]
1/1 [=====] - 0s 73ms/step
>417, dr[0.451,0.872], df[1.317,0.062], g[0.421,0.078]
1/1 [=====] - 0s 72ms/step
>418, dr[0.731,0.753], df[0.704,0.069], g[0.680,0.129]
1/1 [=====] - 0s 75ms/step
>419, dr[0.474,0.772], df[0.601,0.094], g[0.766,0.118]
1/1 [=====] - 0s 83ms/step
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>420, dr[0.856,0.966], df[1.099,0.064], g[0.684,0.177]
1/1 [=====] - 0s 80ms/step
>421, dr[0.797,0.486], df[0.763,0.094], g[1.131,0.204]
1/1 [=====] - 0s 72ms/step
>422, dr[0.629,0.788], df[0.404,0.040], g[0.865,0.130]
1/1 [=====] - 0s 66ms/step
>423, dr[0.223,0.699], df[0.607,0.048], g[1.409,0.147]
1/1 [=====] - 0s 71ms/step
>424, dr[0.517,0.555], df[0.535,0.074], g[1.188,0.190]
1/1 [=====] - 0s 66ms/step
>425, dr[0.393,0.793], df[1.218,0.024], g[2.252,0.144]
1/1 [=====] - 0s 74ms/step
>426, dr[0.699,0.574], df[0.561,0.063], g[2.753,0.094]
1/1 [=====] - 0s 66ms/step
>427, dr[1.021,1.075], df[1.019,0.140], g[2.136,0.032]
1/1 [=====] - 0s 69ms/step
>428, dr[0.827,0.660], df[0.766,0.017], g[2.304,0.043]
1/1 [=====] - 0s 70ms/step
>429, dr[0.999,0.608], df[0.287,0.042], g[1.465,0.031]
1/1 [=====] - 0s 67ms/step
>430, dr[0.727,0.747], df[0.971,0.010], g[1.123,0.133]
1/1 [=====] - 0s 69ms/step
>431, dr[0.592,0.808], df[0.801,0.037], g[1.674,0.098]
1/1 [=====] - 0s 67ms/step
>432, dr[0.703,0.636], df[0.190,0.083], g[0.908,0.071]
1/1 [=====] - 0s 83ms/step
>433, dr[0.614,0.577], df[1.000,0.108], g[0.864,0.094]
1/1 [=====] - 0s 71ms/step
>434, dr[0.608,0.845], df[0.548,0.053], g[0.744,0.061]
1/1 [=====] - 0s 76ms/step
>435, dr[0.515,0.631], df[0.595,0.069], g[0.768,0.080]
1/1 [=====] - 0s 71ms/step
>436, dr[0.433,0.546], df[0.590,0.168], g[0.861,0.066]
1/1 [=====] - 0s 76ms/step
>437, dr[0.557,0.864], df[0.468,0.033], g[0.717,0.054]
1/1 [=====] - 0s 70ms/step
>438, dr[0.380,0.681], df[0.398,0.029], g[0.618,0.049]
1/1 [=====] - 0s 85ms/step
>439, dr[0.573,0.445], df[0.542,0.035], g[0.505,0.027]
1/1 [=====] - 0s 76ms/step
>440, dr[0.438,0.548], df[0.928,0.010], g[0.604,0.030]
1/1 [=====] - 0s 93ms/step
>441, dr[0.685,0.592], df[0.793,0.024], g[0.733,0.050]
1/1 [=====] - 0s 84ms/step
>442, dr[0.849,0.801], df[0.977,0.014], g[0.909,0.022]
1/1 [=====] - 0s 89ms/step
>443, dr[0.948,0.461], df[1.093,0.023], g[0.948,0.080]
1/1 [=====] - 0s 91ms/step
>444, dr[1.292,0.650], df[0.584,0.076], g[0.825,0.070]
1/1 [=====] - 0s 101ms/step
>445, dr[0.885,0.627], df[0.935,0.037], g[0.998,0.098]
1/1 [=====] - 0s 95ms/step
>446, dr[1.079,1.080], df[0.719,0.037], g[0.977,0.073]
1/1 [=====] - 0s 94ms/step
>447, dr[0.871,0.470], df[0.705,0.102], g[1.229,0.107]
1/1 [=====] - 0s 86ms/step
>448, dr[1.569,0.610], df[1.712,0.040], g[0.972,0.088]
1/1 [=====] - 0s 83ms/step
>449, dr[0.437,0.531], df[0.597,0.056], g[1.394,0.069]
1/1 [=====] - 0s 86ms/step
```

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>450, dr[0.715,1.099], df[0.657,0.045], g[1.357,0.066]
1/1 [=====] - 0s 73ms/step
>451, dr[1.175,1.072], df[0.754,0.109], g[1.239,0.081]
1/1 [=====] - 0s 72ms/step
>452, dr[0.607,1.316], df[0.725,0.083], g[1.263,0.046]
1/1 [=====] - 0s 73ms/step
>453, dr[0.555,1.025], df[0.451,0.045], g[1.157,0.073]
1/1 [=====] - 0s 71ms/step
>454, dr[0.362,0.771], df[0.256,0.058], g[0.868,0.057]
1/1 [=====] - 0s 76ms/step
>455, dr[0.389,0.627], df[0.406,0.058], g[0.963,0.040]
1/1 [=====] - 0s 66ms/step
>456, dr[0.164,0.633], df[0.517,0.040], g[1.037,0.062]
1/1 [=====] - 0s 77ms/step
>457, dr[0.633,0.831], df[0.545,0.051], g[0.997,0.032]
1/1 [=====] - 0s 70ms/step
>458, dr[0.261,0.423], df[0.374,0.020], g[1.017,0.038]
1/1 [=====] - 0s 92ms/step
>459, dr[0.549,0.998], df[0.329,0.013], g[0.888,0.043]
1/1 [=====] - 0s 66ms/step
>460, dr[0.394,0.596], df[0.840,0.017], g[1.003,0.026]
1/1 [=====] - 0s 92ms/step
>461, dr[0.742,0.963], df[0.952,0.010], g[1.431,0.065]
1/1 [=====] - 0s 65ms/step
>462, dr[0.857,0.864], df[1.055,0.055], g[1.535,0.051]
1/1 [=====] - 0s 80ms/step
>463, dr[1.125,0.789], df[0.636,0.030], g[1.108,0.057]
1/1 [=====] - 0s 75ms/step
>464, dr[0.544,0.550], df[0.579,0.046], g[0.934,0.036]
1/1 [=====] - 0s 66ms/step
>465, dr[0.825,0.842], df[0.406,0.047], g[0.920,0.021]
1/1 [=====] - 0s 81ms/step
>466, dr[0.617,0.670], df[0.548,0.036], g[0.761,0.021]
1/1 [=====] - 0s 64ms/step
>467, dr[0.394,0.816], df[0.364,0.053], g[0.834,0.044]
1/1 [=====] - 0s 75ms/step
>468, dr[0.391,0.368], df[0.532,0.018], g[0.646,0.026]
1/1 [=====] - 0s 67ms/step
>469, dr[0.418,0.999], df[0.252,0.013], g[0.566,0.066]
1/1 [=====] - 0s 84ms/step
>470, dr[0.407,0.465], df[0.687,0.012], g[0.707,0.033]
1/1 [=====] - 0s 67ms/step
>471, dr[0.516,0.906], df[0.614,0.016], g[0.769,0.038]
1/1 [=====] - 0s 81ms/step
>472, dr[0.478,0.702], df[0.523,0.042], g[1.146,0.051]
1/1 [=====] - 0s 72ms/step
>473, dr[0.683,0.490], df[0.500,0.032], g[0.578,0.060]
1/1 [=====] - 0s 88ms/step
>474, dr[0.463,0.480], df[0.733,0.054], g[1.014,0.024]
1/1 [=====] - 0s 74ms/step
>475, dr[0.482,0.876], df[0.598,0.030], g[1.005,0.030]
1/1 [=====] - 0s 77ms/step
>476, dr[0.758,0.594], df[0.816,0.022], g[0.984,0.059]
1/1 [=====] - 0s 66ms/step
>477, dr[1.360,1.144], df[0.627,0.081], g[0.773,0.050]
1/1 [=====] - 0s 68ms/step
>478, dr[0.479,0.338], df[0.728,0.029], g[0.745,0.049]
1/1 [=====] - 0s 69ms/step
>479, dr[0.427,0.557], df[0.567,0.070], g[1.206,0.032]
1/1 [=====] - 0s 71ms/step
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>480, dr[0.429,0.468], df[0.564,0.034], g[1.425,0.034]
1/1 [=====] - 0s 73ms/step
>481, dr[0.469,0.500], df[0.449,0.042], g[1.374,0.065]
1/1 [=====] - 0s 71ms/step
>482, dr[0.563,0.623], df[0.460,0.026], g[1.242,0.027]
1/1 [=====] - 0s 70ms/step
>483, dr[0.607,1.016], df[0.762,0.019], g[1.212,0.028]
1/1 [=====] - 0s 67ms/step
>484, dr[0.437,0.740], df[0.542,0.026], g[1.483,0.031]
1/1 [=====] - 0s 71ms/step
>485, dr[0.333,0.420], df[0.762,0.019], g[1.772,0.029]
1/1 [=====] - 0s 69ms/step
>486, dr[1.004,0.680], df[0.579,0.023], g[1.622,0.037]
1/1 [=====] - 0s 73ms/step
>487, dr[0.710,0.625], df[0.757,0.009], g[1.306,0.021]
1/1 [=====] - 0s 66ms/step
>488, dr[0.708,0.565], df[0.719,0.035], g[1.815,0.035]
1/1 [=====] - 0s 70ms/step
>489, dr[0.814,0.914], df[0.599,0.016], g[1.682,0.027]
1/1 [=====] - 0s 70ms/step
>490, dr[0.625,1.133], df[0.311,0.014], g[1.533,0.042]
1/1 [=====] - 0s 72ms/step
>491, dr[0.428,0.673], df[0.530,0.026], g[1.444,0.017]
1/1 [=====] - 0s 66ms/step
>492, dr[0.343,1.455], df[0.533,0.042], g[1.692,0.046]
1/1 [=====] - 0s 68ms/step
>493, dr[0.500,0.756], df[0.457,0.020], g[1.878,0.051]
1/1 [=====] - 0s 71ms/step
>494, dr[0.685,1.050], df[0.492,0.033], g[1.262,0.052]
1/1 [=====] - 0s 67ms/step
>495, dr[0.586,0.755], df[0.420,0.053], g[1.331,0.041]
1/1 [=====] - 0s 74ms/step
>496, dr[0.512,0.768], df[0.510,0.061], g[1.124,0.065]
1/1 [=====] - 0s 67ms/step
>497, dr[0.489,0.938], df[0.322,0.043], g[1.181,0.038]
1/1 [=====] - 0s 74ms/step
>498, dr[0.248,0.305], df[0.339,0.052], g[0.959,0.056]
1/1 [=====] - 0s 71ms/step
>499, dr[0.325,0.678], df[0.437,0.028], g[1.156,0.054]
1/1 [=====] - 0s 73ms/step
>500, dr[0.580,0.611], df[0.692,0.027], g[1.383,0.061]
1/1 [=====] - 0s 75ms/step
>501, dr[0.664,0.445], df[0.350,0.021], g[0.759,0.039]
1/1 [=====] - 0s 69ms/step
>502, dr[0.505,0.800], df[0.864,0.027], g[1.140,0.026]
1/1 [=====] - 0s 67ms/step
>503, dr[0.671,0.689], df[0.607,0.010], g[1.222,0.023]
1/1 [=====] - 0s 64ms/step
>504, dr[0.446,0.810], df[0.715,0.040], g[1.376,0.028]
1/1 [=====] - 0s 67ms/step
>505, dr[0.799,1.310], df[0.865,0.056], g[1.276,0.020]
1/1 [=====] - 0s 66ms/step
>506, dr[0.869,0.755], df[0.419,0.017], g[1.645,0.033]
1/1 [=====] - 0s 75ms/step
>507, dr[0.658,0.947], df[0.607,0.036], g[1.656,0.035]
1/1 [=====] - 0s 99ms/step
>508, dr[0.726,1.060], df[0.863,0.009], g[1.507,0.025]
1/1 [=====] - 0s 86ms/step
>509, dr[0.438,0.400], df[0.556,0.016], g[1.494,0.050]
1/1 [=====] - 0s 73ms/step
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>510, dr[0.745,0.894], df[0.587,0.021], g[1.522,0.036]
1/1 [=====] - 0s 82ms/step
>511, dr[0.521,0.949], df[0.588,0.043], g[1.165,0.043]
1/1 [=====] - 0s 74ms/step
>512, dr[0.293,0.658], df[0.447,0.038], g[1.564,0.026]
1/1 [=====] - 0s 76ms/step
>513, dr[0.361,1.290], df[0.391,0.049], g[1.713,0.037]
1/1 [=====] - 0s 65ms/step
>514, dr[0.805,1.038], df[0.552,0.082], g[1.258,0.121]
1/1 [=====] - 0s 71ms/step
>515, dr[0.428,1.314], df[0.419,0.047], g[1.371,0.068]
1/1 [=====] - 0s 65ms/step
>516, dr[0.317,0.671], df[0.435,0.019], g[1.361,0.055]
1/1 [=====] - 0s 74ms/step
>517, dr[0.492,0.938], df[0.399,0.028], g[1.565,0.061]
1/1 [=====] - 0s 66ms/step
>518, dr[0.357,0.495], df[0.451,0.024], g[1.658,0.077]
1/1 [=====] - 0s 84ms/step
>519, dr[0.694,0.601], df[0.565,0.048], g[1.582,0.044]
1/1 [=====] - 0s 84ms/step
>520, dr[0.490,0.647], df[0.685,0.105], g[1.613,0.055]
1/1 [=====] - 0s 118ms/step
>521, dr[0.567,0.486], df[0.419,0.019], g[1.600,0.061]
1/1 [=====] - 0s 70ms/step
>522, dr[0.641,0.703], df[0.515,0.029], g[1.453,0.034]
1/1 [=====] - 0s 82ms/step
>523, dr[0.455,0.251], df[0.576,0.032], g[1.384,0.044]
1/1 [=====] - 0s 71ms/step
>524, dr[0.484,0.740], df[0.718,0.040], g[1.496,0.046]
1/1 [=====] - 0s 71ms/step
>525, dr[0.761,0.655], df[0.848,0.029], g[1.768,0.027]
1/1 [=====] - 0s 78ms/step
>526, dr[0.840,0.808], df[0.521,0.045], g[1.465,0.053]
1/1 [=====] - 0s 91ms/step
>527, dr[0.522,0.332], df[0.721,0.141], g[1.495,0.072]
1/1 [=====] - 0s 84ms/step
>528, dr[0.844,0.777], df[0.649,0.030], g[1.229,0.050]
1/1 [=====] - 0s 78ms/step
>529, dr[0.617,0.746], df[0.688,0.019], g[0.940,0.032]
1/1 [=====] - 0s 76ms/step
>530, dr[0.749,0.584], df[1.180,0.059], g[1.344,0.043]
1/1 [=====] - 0s 77ms/step
>531, dr[0.766,0.818], df[0.851,0.065], g[1.491,0.036]
1/1 [=====] - 0s 71ms/step
>532, dr[0.808,0.671], df[0.633,0.028], g[1.337,0.091]
1/1 [=====] - 0s 77ms/step
>533, dr[0.808,1.078], df[0.821,0.065], g[1.677,0.072]
1/1 [=====] - 0s 79ms/step
>534, dr[0.765,0.835], df[0.506,0.074], g[1.672,0.074]
1/1 [=====] - 0s 74ms/step
>535, dr[0.808,0.695], df[0.575,0.091], g[1.692,0.061]
1/1 [=====] - 0s 89ms/step
>536, dr[0.924,0.525], df[0.810,0.040], g[1.751,0.072]
1/1 [=====] - 0s 93ms/step
>537, dr[0.578,0.740], df[0.441,0.025], g[1.904,0.075]
1/1 [=====] - 0s 87ms/step
>538, dr[0.279,0.668], df[0.249,0.057], g[2.314,0.046]
1/1 [=====] - 0s 83ms/step
>539, dr[0.687,0.997], df[0.606,0.118], g[1.991,0.091]
1/1 [=====] - 0s 79ms/step
```

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>540, dr[0.349,0.831], df[0.297,0.054], g[1.655,0.051]
1/1 [=====] - 0s 72ms/step
>541, dr[0.409,0.565], df[0.362,0.044], g[2.043,0.029]
1/1 [=====] - 0s 93ms/step
>542, dr[0.472,0.974], df[0.568,0.029], g[1.789,0.072]
1/1 [=====] - 0s 93ms/step
>543, dr[0.520,0.948], df[0.467,0.022], g[1.778,0.057]
1/1 [=====] - 0s 100ms/step
>544, dr[0.357,0.561], df[0.453,0.036], g[1.809,0.052]
1/1 [=====] - 0s 85ms/step
>545, dr[0.422,0.741], df[0.378,0.043], g[2.193,0.065]
1/1 [=====] - 0s 79ms/step
>546, dr[0.639,0.893], df[0.389,0.035], g[1.968,0.067]
1/1 [=====] - 0s 86ms/step
>547, dr[0.404,0.631], df[0.689,0.055], g[1.900,0.046]
1/1 [=====] - 0s 81ms/step
>548, dr[0.639,0.596], df[0.770,0.117], g[1.549,0.103]
1/1 [=====] - 0s 87ms/step
>549, dr[0.856,0.504], df[0.363,0.027], g[1.309,0.044]
1/1 [=====] - 0s 77ms/step
>550, dr[0.478,0.823], df[0.700,0.135], g[1.396,0.058]
1/1 [=====] - 0s 81ms/step
>551, dr[0.516,0.622], df[0.643,0.085], g[1.648,0.080]
1/1 [=====] - 0s 78ms/step
>552, dr[0.878,0.591], df[0.641,0.108], g[1.506,0.089]
1/1 [=====] - 0s 80ms/step
>553, dr[0.616,0.380], df[0.975,0.152], g[1.564,0.037]
1/1 [=====] - 0s 79ms/step
>554, dr[0.516,0.549], df[0.386,0.058], g[1.742,0.152]
1/1 [=====] - 0s 81ms/step
>555, dr[0.667,0.627], df[0.643,0.039], g[1.386,0.065]
1/1 [=====] - 0s 72ms/step
>556, dr[0.782,1.074], df[0.682,0.186], g[1.325,0.073]
1/1 [=====] - 0s 76ms/step
>557, dr[0.670,0.237], df[0.727,0.115], g[1.285,0.061]
1/1 [=====] - 0s 83ms/step
>558, dr[0.724,0.442], df[0.411,0.081], g[1.212,0.072]
1/1 [=====] - 0s 79ms/step
>559, dr[0.731,0.895], df[0.993,0.103], g[1.260,0.132]
1/1 [=====] - 0s 83ms/step
>560, dr[0.470,0.603], df[0.770,0.053], g[1.731,0.105]
1/1 [=====] - 0s 79ms/step
>561, dr[0.703,0.471], df[0.581,0.037], g[1.562,0.058]
1/1 [=====] - 0s 75ms/step
>562, dr[0.555,0.784], df[0.539,0.053], g[1.558,0.086]
1/1 [=====] - 0s 78ms/step
>563, dr[0.641,0.310], df[0.556,0.060], g[1.617,0.114]
1/1 [=====] - 0s 73ms/step
>564, dr[0.605,0.479], df[0.615,0.042], g[1.391,0.062]
1/1 [=====] - 0s 78ms/step
>565, dr[0.700,0.852], df[0.600,0.062], g[1.469,0.068]
1/1 [=====] - 0s 74ms/step
>566, dr[0.477,1.143], df[0.468,0.025], g[1.596,0.038]
1/1 [=====] - 0s 84ms/step
>567, dr[0.477,0.841], df[0.623,0.045], g[1.805,0.067]
1/1 [=====] - 0s 80ms/step
>568, dr[0.659,1.071], df[0.564,0.102], g[1.425,0.053]
1/1 [=====] - 0s 86ms/step
>569, dr[0.463,0.820], df[0.737,0.059], g[1.725,0.122]
1/1 [=====] - 0s 70ms/step
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>570, dr[0.791,0.565], df[0.398,0.077], g[1.748,0.084]
1/1 [=====] - 0s 82ms/step
>571, dr[0.545,0.943], df[0.621,0.086], g[1.434,0.101]
1/1 [=====] - 0s 69ms/step
>572, dr[0.708,0.575], df[0.751,0.043], g[1.682,0.127]
1/1 [=====] - 0s 66ms/step
>573, dr[0.618,0.912], df[0.418,0.148], g[1.636,0.108]
1/1 [=====] - 0s 70ms/step
>574, dr[0.589,0.572], df[0.502,0.138], g[1.300,0.112]
1/1 [=====] - 0s 78ms/step
>575, dr[0.567,0.908], df[0.564,0.072], g[1.401,0.087]
1/1 [=====] - 0s 74ms/step
>576, dr[0.648,1.376], df[0.697,0.131], g[1.495,0.072]
1/1 [=====] - 0s 70ms/step
>577, dr[0.510,1.021], df[0.549,0.063], g[1.934,0.082]
1/1 [=====] - 0s 72ms/step
>578, dr[0.676,0.555], df[0.448,0.104], g[1.623,0.101]
1/1 [=====] - 0s 77ms/step
>579, dr[0.488,0.553], df[0.594,0.123], g[1.272,0.038]
1/1 [=====] - 0s 75ms/step
>580, dr[0.496,0.960], df[0.589,0.068], g[1.791,0.132]
1/1 [=====] - 0s 72ms/step
>581, dr[0.534,0.468], df[0.434,0.060], g[1.623,0.046]
1/1 [=====] - 0s 79ms/step
>582, dr[0.777,0.990], df[0.455,0.138], g[1.380,0.050]
1/1 [=====] - 0s 84ms/step
>583, dr[0.708,1.296], df[0.549,0.061], g[1.153,0.105]
1/1 [=====] - 0s 92ms/step
>584, dr[0.372,0.787], df[0.945,0.086], g[1.361,0.075]
1/1 [=====] - 0s 83ms/step
>585, dr[0.526,0.699], df[0.469,0.223], g[1.486,0.065]
1/1 [=====] - 0s 87ms/step
>586, dr[0.610,0.622], df[0.446,0.084], g[1.556,0.088]
1/1 [=====] - 0s 68ms/step
>587, dr[0.420,0.686], df[0.403,0.119], g[1.693,0.162]
1/1 [=====] - 0s 74ms/step
>588, dr[0.588,0.700], df[0.574,0.075], g[1.356,0.100]
1/1 [=====] - 0s 79ms/step
>589, dr[0.351,0.485], df[0.411,0.078], g[1.909,0.109]
1/1 [=====] - 0s 85ms/step
>590, dr[0.631,0.801], df[0.466,0.114], g[1.514,0.145]
1/1 [=====] - 0s 88ms/step
>591, dr[0.486,1.203], df[0.425,0.167], g[1.291,0.081]
1/1 [=====] - 0s 77ms/step
>592, dr[0.533,0.897], df[0.507,0.082], g[1.573,0.080]
1/1 [=====] - 0s 79ms/step
>593, dr[0.545,1.013], df[0.349,0.055], g[1.451,0.145]
1/1 [=====] - 0s 81ms/step
>594, dr[0.666,0.954], df[0.754,0.062], g[1.436,0.122]
1/1 [=====] - 0s 75ms/step
>595, dr[0.515,0.769], df[0.882,0.067], g[1.643,0.070]
1/1 [=====] - 0s 72ms/step
>596, dr[0.735,0.991], df[0.486,0.052], g[1.272,0.184]
1/1 [=====] - 0s 71ms/step
>597, dr[0.642,0.940], df[0.454,0.091], g[0.971,0.081]
1/1 [=====] - 0s 81ms/step
>598, dr[0.613,0.711], df[0.912,0.083], g[1.110,0.052]
1/1 [=====] - 0s 66ms/step
>599, dr[0.755,0.664], df[0.860,0.081], g[1.278,0.083]
1/1 [=====] - 0s 76ms/step
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>600, dr[0.583,0.880], df[0.399,0.061], g[1.001,0.116]
1/1 [=====] - 0s 69ms/step
>601, dr[0.682,0.720], df[0.268,0.047], g[0.845,0.062]
1/1 [=====] - 0s 78ms/step
>602, dr[0.652,0.556], df[0.879,0.074], g[0.490,0.053]
1/1 [=====] - 0s 68ms/step
>603, dr[0.383,0.647], df[0.395,0.107], g[0.552,0.039]
1/1 [=====] - 0s 65ms/step
>604, dr[0.645,0.722], df[0.528,0.047], g[0.326,0.092]
1/1 [=====] - 0s 66ms/step
>605, dr[0.348,0.902], df[0.743,0.077], g[0.653,0.085]
1/1 [=====] - 0s 69ms/step
>606, dr[0.523,0.845], df[0.291,0.050], g[0.453,0.057]
1/1 [=====] - 0s 71ms/step
>607, dr[0.378,0.624], df[0.690,0.055], g[0.601,0.133]
1/1 [=====] - 0s 67ms/step
>608, dr[0.501,0.642], df[0.768,0.123], g[0.617,0.108]
1/1 [=====] - 0s 77ms/step
>609, dr[0.564,0.550], df[0.709,0.139], g[0.808,0.066]
1/1 [=====] - 0s 68ms/step
>610, dr[0.611,0.545], df[0.496,0.045], g[0.814,0.113]
1/1 [=====] - 0s 75ms/step
>611, dr[0.623,0.504], df[0.598,0.034], g[0.510,0.238]
1/1 [=====] - 0s 69ms/step
>612, dr[1.178,1.114], df[0.853,0.047], g[0.672,0.142]
1/1 [=====] - 0s 69ms/step
>613, dr[0.981,0.530], df[0.638,0.089], g[0.394,0.132]
1/1 [=====] - 0s 69ms/step
>614, dr[0.278,0.512], df[0.885,0.064], g[0.885,0.084]
1/1 [=====] - 0s 66ms/step
>615, dr[0.493,1.040], df[0.497,0.066], g[1.038,0.114]
1/1 [=====] - 0s 65ms/step
>616, dr[0.513,0.514], df[0.503,0.132], g[1.208,0.086]
1/1 [=====] - 0s 68ms/step
>617, dr[0.972,0.793], df[0.866,0.103], g[1.417,0.078]
1/1 [=====] - 0s 86ms/step
>618, dr[0.561,0.832], df[0.612,0.067], g[1.594,0.113]
1/1 [=====] - 0s 88ms/step
>619, dr[0.522,0.843], df[0.468,0.118], g[1.451,0.199]
1/1 [=====] - 0s 73ms/step
>620, dr[0.819,0.757], df[0.437,0.073], g[1.813,0.122]
1/1 [=====] - 0s 68ms/step
>621, dr[0.658,1.238], df[0.604,0.062], g[2.008,0.135]
1/1 [=====] - 0s 74ms/step
>622, dr[0.788,0.264], df[0.675,0.136], g[2.055,0.092]
1/1 [=====] - 0s 73ms/step
>623, dr[0.811,1.064], df[0.552,0.304], g[2.098,0.130]
1/1 [=====] - 0s 71ms/step
>624, dr[0.448,0.832], df[0.292,0.095], g[1.722,0.126]
1/1 [=====] - 0s 68ms/step
>625, dr[0.359,0.628], df[0.814,0.189], g[2.310,0.083]
1/1 [=====] - 0s 71ms/step
>626, dr[0.614,1.202], df[0.618,0.049], g[1.748,0.091]
1/1 [=====] - 0s 69ms/step
>627, dr[0.568,0.831], df[0.717,0.064], g[1.482,0.045]
1/1 [=====] - 0s 73ms/step
>628, dr[0.592,0.456], df[0.795,0.062], g[1.346,0.060]
1/1 [=====] - 0s 66ms/step
>629, dr[0.740,0.770], df[1.025,0.109], g[1.108,0.065]
1/1 [=====] - 0s 77ms/step
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>630, dr[0.380,0.732], df[0.373,0.043], g[0.921,0.041]
1/1 [=====] - 0s 77ms/step
>631, dr[0.520,0.637], df[0.481,0.100], g[0.639,0.054]
1/1 [=====] - 0s 66ms/step
>632, dr[0.306,0.576], df[0.321,0.064], g[0.837,0.137]
1/1 [=====] - 0s 71ms/step
>633, dr[0.310,0.712], df[0.440,0.048], g[0.879,0.116]
1/1 [=====] - 0s 65ms/step
>634, dr[0.253,0.954], df[0.682,0.150], g[0.720,0.207]
1/1 [=====] - 0s 70ms/step
>635, dr[0.377,0.838], df[0.783,0.185], g[0.821,0.167]
1/1 [=====] - 0s 66ms/step
>636, dr[0.579,0.545], df[0.949,0.075], g[1.070,0.063]
1/1 [=====] - 0s 73ms/step
>637, dr[0.821,0.854], df[0.927,0.153], g[1.125,0.092]
1/1 [=====] - 0s 74ms/step
>638, dr[0.762,1.104], df[0.894,0.084], g[1.282,0.090]
1/1 [=====] - 0s 81ms/step
>639, dr[0.930,0.696], df[0.852,0.103], g[1.525,0.121]
1/1 [=====] - 0s 75ms/step
>640, dr[0.693,0.881], df[0.476,0.118], g[1.569,0.174]
1/1 [=====] - 0s 71ms/step
>641, dr[0.595,1.356], df[0.368,0.149], g[1.991,0.232]
1/1 [=====] - 0s 66ms/step
>642, dr[0.817,0.494], df[0.370,0.060], g[1.603,0.077]
1/1 [=====] - 0s 66ms/step
>643, dr[0.498,0.513], df[0.628,0.028], g[1.850,0.122]
1/1 [=====] - 0s 67ms/step
>644, dr[0.504,0.648], df[0.386,0.039], g[2.043,0.105]
1/1 [=====] - 0s 69ms/step
>645, dr[0.414,0.827], df[0.575,0.076], g[1.939,0.101]
1/1 [=====] - 0s 69ms/step
>646, dr[0.464,0.616], df[0.579,0.045], g[1.801,0.029]
1/1 [=====] - 0s 81ms/step
>647, dr[0.678,0.917], df[0.406,0.027], g[1.818,0.039]
1/1 [=====] - 0s 78ms/step
>648, dr[0.400,0.611], df[0.658,0.046], g[1.557,0.031]
1/1 [=====] - 0s 68ms/step
>649, dr[0.393,1.061], df[0.399,0.056], g[1.736,0.035]
1/1 [=====] - 0s 72ms/step
>650, dr[0.489,0.580], df[0.450,0.053], g[1.455,0.028]
1/1 [=====] - 0s 67ms/step
>651, dr[0.453,0.664], df[0.456,0.035], g[1.178,0.065]
1/1 [=====] - 0s 71ms/step
>652, dr[0.543,0.902], df[0.806,0.046], g[1.203,0.024]
1/1 [=====] - 0s 74ms/step
>653, dr[0.309,0.797], df[0.728,0.064], g[1.165,0.035]
1/1 [=====] - 0s 71ms/step
>654, dr[0.496,0.944], df[0.385,0.091], g[1.519,0.066]
1/1 [=====] - 0s 69ms/step
>655, dr[0.508,0.609], df[0.636,0.065], g[1.780,0.098]
1/1 [=====] - 0s 72ms/step
>656, dr[0.616,0.626], df[0.621,0.050], g[1.706,0.099]
1/1 [=====] - 0s 71ms/step
>657, dr[0.724,0.973], df[0.558,0.043], g[1.403,0.085]
1/1 [=====] - 0s 70ms/step
>658, dr[0.544,0.811], df[0.538,0.040], g[1.836,0.070]
1/1 [=====] - 0s 71ms/step
>659, dr[0.796,0.579], df[0.485,0.254], g[1.576,0.050]
1/1 [=====] - 0s 69ms/step
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>660, dr[0.673,0.883], df[0.828,0.071], g[1.672,0.062]
1/1 [=====] - 0s 72ms/step
>661, dr[0.833,0.695], df[0.585,0.056], g[1.396,0.089]
1/1 [=====] - 0s 81ms/step
>662, dr[0.571,0.957], df[0.727,0.031], g[1.412,0.067]
1/1 [=====] - 0s 92ms/step
>663, dr[0.496,0.801], df[0.523,0.092], g[1.689,0.069]
1/1 [=====] - 0s 71ms/step
>664, dr[0.853,0.865], df[0.504,0.068], g[1.401,0.054]
1/1 [=====] - 0s 87ms/step
>665, dr[0.427,1.048], df[0.576,0.132], g[1.276,0.061]
1/1 [=====] - 0s 66ms/step
>666, dr[0.579,0.606], df[0.652,0.049], g[1.124,0.076]
1/1 [=====] - 0s 71ms/step
>667, dr[0.616,0.729], df[0.579,0.133], g[1.373,0.044]
1/1 [=====] - 0s 77ms/step
>668, dr[0.495,0.512], df[0.524,0.039], g[1.446,0.096]
1/1 [=====] - 0s 72ms/step
>669, dr[0.700,1.024], df[0.354,0.069], g[1.222,0.078]
1/1 [=====] - 0s 67ms/step
>670, dr[0.548,0.735], df[0.607,0.100], g[1.053,0.087]
1/1 [=====] - 0s 67ms/step
>671, dr[0.457,1.106], df[0.464,0.071], g[1.562,0.081]
1/1 [=====] - 0s 69ms/step
>672, dr[0.580,0.454], df[0.627,0.061], g[1.440,0.072]
1/1 [=====] - 0s 72ms/step
>673, dr[0.723,0.778], df[0.588,0.083], g[1.475,0.077]
1/1 [=====] - 0s 72ms/step
>674, dr[0.604,0.550], df[0.645,0.065], g[1.271,0.112]
1/1 [=====] - 0s 77ms/step
>675, dr[0.462,0.694], df[0.375,0.053], g[1.363,0.060]
1/1 [=====] - 0s 84ms/step
>676, dr[0.469,0.712], df[0.483,0.057], g[1.276,0.037]
1/1 [=====] - 0s 75ms/step
>677, dr[0.456,0.679], df[0.300,0.057], g[1.252,0.069]
1/1 [=====] - 0s 74ms/step
>678, dr[0.520,0.643], df[0.391,0.130], g[1.159,0.091]
1/1 [=====] - 0s 65ms/step
>679, dr[0.619,0.698], df[0.330,0.036], g[1.144,0.052]
1/1 [=====] - 0s 71ms/step
>680, dr[0.495,0.888], df[0.749,0.034], g[1.164,0.033]
1/1 [=====] - 0s 67ms/step
>681, dr[0.442,0.682], df[0.324,0.080], g[1.333,0.046]
1/1 [=====] - 0s 76ms/step
>682, dr[0.550,0.532], df[0.453,0.031], g[1.651,0.062]
1/1 [=====] - 0s 72ms/step
>683, dr[0.349,0.603], df[0.523,0.052], g[1.528,0.110]
1/1 [=====] - 0s 74ms/step
>684, dr[0.480,0.742], df[0.249,0.077], g[1.825,0.030]
1/1 [=====] - 0s 79ms/step
>685, dr[0.645,0.626], df[0.406,0.068], g[1.625,0.058]
1/1 [=====] - 0s 66ms/step
>686, dr[0.537,1.116], df[0.426,0.027], g[1.768,0.038]
1/1 [=====] - 0s 73ms/step
>687, dr[0.389,0.470], df[0.302,0.041], g[1.835,0.092]
1/1 [=====] - 0s 65ms/step
>688, dr[0.392,0.353], df[0.267,0.061], g[1.610,0.052]
1/1 [=====] - 0s 78ms/step
>689, dr[0.670,0.578], df[0.272,0.036], g[1.089,0.054]
1/1 [=====] - 0s 67ms/step
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>690, dr[0.353,0.382], df[0.462,0.061], g[1.377,0.042]
1/1 [=====] - 0s 73ms/step
>691, dr[0.345,0.712], df[0.318,0.034], g[1.394,0.057]
1/1 [=====] - 0s 71ms/step
>692, dr[0.350,0.646], df[0.423,0.029], g[1.300,0.066]
1/1 [=====] - 0s 69ms/step
>693, dr[0.609,0.306], df[0.525,0.042], g[1.395,0.064]
1/1 [=====] - 0s 70ms/step
>694, dr[0.512,0.910], df[0.573,0.058], g[1.520,0.051]
1/1 [=====] - 0s 69ms/step
>695, dr[0.504,1.295], df[0.641,0.020], g[1.928,0.093]
1/1 [=====] - 0s 79ms/step
>696, dr[0.412,0.937], df[0.584,0.019], g[2.626,0.068]
1/1 [=====] - 0s 71ms/step
>697, dr[0.629,0.639], df[0.307,0.022], g[2.037,0.101]
1/1 [=====] - 0s 77ms/step
>698, dr[0.647,0.774], df[0.471,0.049], g[1.607,0.033]
1/1 [=====] - 0s 73ms/step
>699, dr[0.450,0.393], df[0.454,0.064], g[1.589,0.051]
1/1 [=====] - 0s 75ms/step
>700, dr[0.474,0.503], df[0.627,0.099], g[1.641,0.067]
1/1 [=====] - 0s 73ms/step
>701, dr[0.558,0.996], df[0.602,0.040], g[1.707,0.037]
1/1 [=====] - 0s 79ms/step
>702, dr[0.451,0.709], df[0.598,0.069], g[1.976,0.065]
1/1 [=====] - 0s 86ms/step
>703, dr[0.740,0.938], df[0.384,0.042], g[1.448,0.050]
1/1 [=====] - 0s 79ms/step
>704, dr[0.482,0.756], df[0.468,0.093], g[1.339,0.050]
1/1 [=====] - 0s 75ms/step
>705, dr[0.373,0.611], df[0.648,0.053], g[1.469,0.063]
1/1 [=====] - 0s 77ms/step
>706, dr[0.604,0.464], df[0.621,0.087], g[1.443,0.058]
1/1 [=====] - 0s 77ms/step
>707, dr[0.445,0.792], df[0.356,0.071], g[1.262,0.086]
1/1 [=====] - 0s 71ms/step
>708, dr[0.491,1.094], df[0.450,0.074], g[1.090,0.065]
1/1 [=====] - 0s 74ms/step
>709, dr[0.537,0.656], df[0.429,0.047], g[0.964,0.080]
1/1 [=====] - 0s 71ms/step
>710, dr[0.456,0.443], df[0.506,0.070], g[1.150,0.096]
1/1 [=====] - 0s 65ms/step
>711, dr[0.895,0.287], df[0.618,0.032], g[1.050,0.058]
1/1 [=====] - 0s 66ms/step
>712, dr[0.499,0.302], df[0.631,0.084], g[1.076,0.049]
1/1 [=====] - 0s 67ms/step
>713, dr[0.571,0.507], df[0.433,0.012], g[0.864,0.113]
1/1 [=====] - 0s 73ms/step
>714, dr[0.607,0.265], df[0.688,0.133], g[0.990,0.048]
1/1 [=====] - 0s 74ms/step
>715, dr[0.270,0.784], df[0.431,0.119], g[1.002,0.071]
1/1 [=====] - 0s 66ms/step
>716, dr[0.659,0.789], df[0.384,0.056], g[0.902,0.092]
1/1 [=====] - 0s 71ms/step
>717, dr[0.400,0.282], df[0.369,0.091], g[0.994,0.065]
1/1 [=====] - 0s 70ms/step
>718, dr[0.356,0.442], df[0.434,0.047], g[0.943,0.076]
1/1 [=====] - 0s 70ms/step
>719, dr[0.326,0.597], df[0.304,0.048], g[0.811,0.081]
1/1 [=====] - 0s 66ms/step
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>720, dr[0.445,0.614], df[0.559,0.057], g[0.855,0.085]
1/1 [=====] - 0s 79ms/step
>721, dr[0.988,1.166], df[0.795,0.122], g[0.883,0.065]
1/1 [=====] - 0s 74ms/step
>722, dr[0.446,0.474], df[0.467,0.052], g[1.204,0.055]
1/1 [=====] - 0s 86ms/step
>723, dr[0.381,1.007], df[0.558,0.069], g[1.097,0.054]
1/1 [=====] - 0s 73ms/step
>724, dr[0.652,0.711], df[0.401,0.060], g[1.441,0.141]
1/1 [=====] - 0s 65ms/step
>725, dr[0.690,0.567], df[0.968,0.062], g[1.457,0.098]
1/1 [=====] - 0s 73ms/step
>726, dr[0.823,0.756], df[0.610,0.038], g[1.440,0.195]
1/1 [=====] - 0s 87ms/step
>727, dr[0.481,0.618], df[0.401,0.094], g[1.654,0.089]
1/1 [=====] - 0s 71ms/step
>728, dr[0.685,0.611], df[0.589,0.036], g[1.510,0.081]
1/1 [=====] - 0s 72ms/step
>729, dr[0.541,0.788], df[0.396,0.041], g[1.769,0.103]
1/1 [=====] - 0s 81ms/step
>730, dr[0.566,0.748], df[0.648,0.039], g[1.575,0.033]
1/1 [=====] - 0s 72ms/step
>731, dr[0.495,0.778], df[0.791,0.026], g[1.484,0.037]
1/1 [=====] - 0s 67ms/step
>732, dr[0.586,0.313], df[0.425,0.031], g[1.269,0.081]
1/1 [=====] - 0s 68ms/step
>733, dr[0.256,0.762], df[0.276,0.044], g[1.164,0.043]
1/1 [=====] - 0s 76ms/step
>734, dr[0.297,0.575], df[0.427,0.091], g[1.392,0.047]
1/1 [=====] - 0s 74ms/step
>735, dr[0.308,0.361], df[0.372,0.024], g[1.600,0.067]
1/1 [=====] - 0s 72ms/step
>736, dr[0.619,0.813], df[0.400,0.018], g[1.226,0.109]
1/1 [=====] - 0s 67ms/step
>737, dr[0.458,0.784], df[0.451,0.062], g[1.351,0.096]
1/1 [=====] - 0s 75ms/step
>738, dr[0.596,0.586], df[0.681,0.027], g[1.245,0.058]
1/1 [=====] - 0s 67ms/step
>739, dr[0.470,0.364], df[0.446,0.078], g[1.321,0.091]
1/1 [=====] - 0s 67ms/step
>740, dr[0.290,0.668], df[0.515,0.034], g[1.631,0.057]
1/1 [=====] - 0s 68ms/step
>741, dr[0.744,0.585], df[0.842,0.045], g[1.867,0.097]
1/1 [=====] - 0s 77ms/step
>742, dr[0.461,0.586], df[0.579,0.064], g[1.847,0.070]
1/1 [=====] - 0s 75ms/step
>743, dr[0.912,0.803], df[0.413,0.040], g[1.361,0.143]
1/1 [=====] - 0s 76ms/step
>744, dr[0.355,0.898], df[0.684,0.041], g[1.622,0.085]
1/1 [=====] - 0s 73ms/step
>745, dr[0.345,0.845], df[0.487,0.049], g[1.566,0.045]
1/1 [=====] - 0s 69ms/step
>746, dr[0.296,0.881], df[0.549,0.070], g[1.915,0.057]
1/1 [=====] - 0s 73ms/step
>747, dr[0.471,0.883], df[0.322,0.052], g[1.755,0.077]
1/1 [=====] - 0s 68ms/step
>748, dr[0.449,0.665], df[0.465,0.071], g[1.587,0.072]
1/1 [=====] - 0s 72ms/step
>749, dr[0.480,0.863], df[0.577,0.043], g[1.484,0.075]
1/1 [=====] - 0s 66ms/step
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>750, dr[0.441,0.388], df[0.558,0.084], g[1.734,0.064]
1/1 [=====] - 0s 70ms/step
>751, dr[0.490,0.755], df[0.417,0.046], g[1.975,0.109]
1/1 [=====] - 0s 78ms/step
>752, dr[0.457,0.445], df[0.409,0.050], g[2.338,0.092]
1/1 [=====] - 0s 66ms/step
>753, dr[0.608,0.750], df[0.401,0.049], g[2.075,0.041]
1/1 [=====] - 0s 69ms/step
>754, dr[0.333,0.395], df[0.409,0.049], g[2.221,0.085]
1/1 [=====] - 0s 65ms/step
>755, dr[0.544,0.519], df[0.398,0.050], g[2.250,0.058]
1/1 [=====] - 0s 73ms/step
>756, dr[0.479,0.613], df[0.654,0.042], g[1.916,0.089]
1/1 [=====] - 0s 68ms/step
>757, dr[0.329,0.876], df[0.537,0.052], g[1.928,0.056]
1/1 [=====] - 0s 75ms/step
>758, dr[0.651,0.597], df[0.523,0.040], g[2.355,0.072]
1/1 [=====] - 0s 78ms/step
>759, dr[0.419,0.840], df[0.384,0.016], g[2.374,0.031]
1/1 [=====] - 0s 68ms/step
>760, dr[0.329,0.613], df[0.280,0.070], g[2.144,0.042]
1/1 [=====] - 0s 67ms/step
>761, dr[0.312,0.653], df[0.535,0.022], g[2.309,0.035]
1/1 [=====] - 0s 68ms/step
>762, dr[0.589,0.550], df[0.377,0.025], g[2.066,0.068]
1/1 [=====] - 0s 71ms/step
>763, dr[0.350,0.911], df[0.346,0.029], g[2.295,0.049]
1/1 [=====] - 0s 65ms/step
>764, dr[0.360,0.355], df[0.198,0.156], g[2.232,0.083]
1/1 [=====] - 0s 75ms/step
>765, dr[0.423,0.721], df[0.344,0.042], g[2.335,0.039]
1/1 [=====] - 0s 68ms/step
>766, dr[0.431,1.141], df[0.232,0.088], g[1.790,0.040]
1/1 [=====] - 0s 78ms/step
>767, dr[0.306,0.731], df[0.355,0.113], g[1.659,0.069]
1/1 [=====] - 0s 75ms/step
>768, dr[0.321,0.809], df[0.375,0.082], g[1.699,0.039]
1/1 [=====] - 0s 73ms/step
>769, dr[0.543,0.585], df[0.497,0.039], g[1.675,0.062]
1/1 [=====] - 0s 82ms/step
>770, dr[0.465,0.811], df[0.732,0.051], g[1.499,0.077]
1/1 [=====] - 0s 76ms/step
>771, dr[0.460,0.393], df[0.432,0.096], g[1.458,0.028]
1/1 [=====] - 0s 68ms/step
>772, dr[0.385,0.540], df[0.371,0.027], g[1.837,0.034]
1/1 [=====] - 0s 76ms/step
>773, dr[0.226,0.342], df[0.539,0.055], g[1.862,0.062]
1/1 [=====] - 0s 69ms/step
>774, dr[0.446,0.555], df[0.274,0.097], g[1.687,0.043]
1/1 [=====] - 0s 69ms/step
>775, dr[0.418,0.678], df[0.252,0.129], g[1.496,0.072]
1/1 [=====] - 0s 75ms/step
>776, dr[0.357,0.716], df[0.251,0.156], g[1.258,0.097]
1/1 [=====] - 0s 76ms/step
>777, dr[0.273,0.934], df[0.232,0.150], g[1.300,0.039]
1/1 [=====] - 0s 75ms/step
>778, dr[0.361,0.460], df[0.203,0.241], g[0.868,0.105]
1/1 [=====] - 0s 79ms/step
>779, dr[0.407,0.815], df[0.143,0.126], g[1.052,0.073]
1/1 [=====] - 0s 89ms/step
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>780, dr[0.169,0.797], df[0.239,0.047], g[0.787,0.045]
1/1 [=====] - 0s 92ms/step
>781, dr[0.276,0.473], df[0.405,0.041], g[0.761,0.080]
1/1 [=====] - 0s 76ms/step
>782, dr[0.347,0.260], df[0.422,0.050], g[1.257,0.051]
1/1 [=====] - 0s 91ms/step
>783, dr[0.632,0.605], df[0.424,0.044], g[0.884,0.060]
1/1 [=====] - 0s 71ms/step
>784, dr[0.483,1.010], df[0.588,0.044], g[1.031,0.055]
1/1 [=====] - 0s 92ms/step
>785, dr[0.603,0.723], df[0.491,0.038], g[1.594,0.053]
1/1 [=====] - 0s 79ms/step
>786, dr[0.597,0.879], df[0.346,0.045], g[1.639,0.068]
1/1 [=====] - 0s 82ms/step
>787, dr[0.408,0.354], df[0.381,0.048], g[2.191,0.053]
1/1 [=====] - 0s 78ms/step
>788, dr[0.416,0.496], df[0.188,0.060], g[1.836,0.087]
1/1 [=====] - 0s 96ms/step
>789, dr[0.403,0.521], df[0.257,0.082], g[1.772,0.081]
1/1 [=====] - 0s 84ms/step
>790, dr[0.285,0.648], df[0.211,0.067], g[1.899,0.076]
1/1 [=====] - 0s 87ms/step
>791, dr[0.304,0.979], df[0.228,0.118], g[1.610,0.066]
1/1 [=====] - 0s 81ms/step
>792, dr[0.276,0.435], df[0.279,0.094], g[1.428,0.099]
1/1 [=====] - 0s 85ms/step
>793, dr[0.265,0.721], df[0.388,0.061], g[1.291,0.039]
1/1 [=====] - 0s 89ms/step
>794, dr[0.516,0.544], df[0.614,0.057], g[1.310,0.037]
1/1 [=====] - 0s 76ms/step
>795, dr[0.376,0.590], df[0.830,0.052], g[1.464,0.078]
1/1 [=====] - 0s 84ms/step
>796, dr[0.558,0.585], df[0.458,0.065], g[1.950,0.103]
1/1 [=====] - 0s 81ms/step
>797, dr[0.352,0.279], df[0.767,0.097], g[1.999,0.085]
1/1 [=====] - 0s 75ms/step
>798, dr[0.736,0.825], df[0.574,0.101], g[1.846,0.047]
1/1 [=====] - 0s 74ms/step
>799, dr[0.502,0.499], df[0.455,0.027], g[2.049,0.094]
1/1 [=====] - 0s 75ms/step
>800, dr[0.703,0.530], df[0.798,0.035], g[1.949,0.040]
1/1 [=====] - 0s 78ms/step
>801, dr[0.353,0.753], df[0.423,0.074], g[2.641,0.076]
1/1 [=====] - 0s 80ms/step
>802, dr[0.812,0.691], df[0.399,0.048], g[2.309,0.050]
1/1 [=====] - 0s 80ms/step
>803, dr[0.635,1.166], df[0.366,0.040], g[1.528,0.030]
1/1 [=====] - 0s 70ms/step
>804, dr[0.353,0.659], df[0.369,0.042], g[1.654,0.052]
1/1 [=====] - 0s 84ms/step
>805, dr[0.250,0.687], df[0.267,0.078], g[1.215,0.043]
1/1 [=====] - 0s 76ms/step
>806, dr[0.159,0.660], df[0.503,0.053], g[1.539,0.048]
1/1 [=====] - 0s 97ms/step
>807, dr[0.350,0.839], df[0.478,0.013], g[1.642,0.035]
1/1 [=====] - 0s 81ms/step
>808, dr[0.803,0.648], df[0.658,0.020], g[1.320,0.028]
1/1 [=====] - 0s 89ms/step
>809, dr[0.453,0.933], df[0.761,0.063], g[1.847,0.036]
1/1 [=====] - 0s 79ms/step
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>810, dr[0.472,0.586], df[0.410,0.045], g[2.098,0.023]
1/1 [=====] - 0s 97ms/step
>811, dr[0.506,1.151], df[0.348,0.008], g[1.956,0.098]
1/1 [=====] - 0s 98ms/step
>812, dr[0.312,0.522], df[0.492,0.050], g[1.911,0.072]
1/1 [=====] - 0s 79ms/step
>813, dr[0.508,0.524], df[0.463,0.016], g[1.941,0.072]
1/1 [=====] - 0s 93ms/step
>814, dr[0.514,0.381], df[0.709,0.019], g[1.849,0.036]
1/1 [=====] - 0s 87ms/step
>815, dr[0.400,0.853], df[0.378,0.028], g[2.171,0.061]
1/1 [=====] - 0s 101ms/step
>816, dr[0.707,0.819], df[0.331,0.043], g[1.412,0.029]
1/1 [=====] - 0s 148ms/step
>817, dr[0.207,0.832], df[0.538,0.032], g[1.787,0.062]
1/1 [=====] - 0s 142ms/step
>818, dr[0.345,0.707], df[0.493,0.071], g[2.374,0.064]
1/1 [=====] - 0s 137ms/step
>819, dr[0.403,0.453], df[0.172,0.109], g[2.020,0.044]
1/1 [=====] - 0s 108ms/step
>820, dr[0.755,0.625], df[0.401,0.026], g[1.576,0.077]
1/1 [=====] - 0s 85ms/step
>821, dr[0.259,0.436], df[0.350,0.137], g[1.708,0.078]
1/1 [=====] - 0s 111ms/step
>822, dr[0.515,0.643], df[0.582,0.126], g[1.657,0.066]
1/1 [=====] - 0s 108ms/step
>823, dr[0.504,0.541], df[0.456,0.044], g[2.022,0.109]
1/1 [=====] - 0s 79ms/step
>824, dr[0.805,0.548], df[0.489,0.125], g[1.990,0.057]
1/1 [=====] - 0s 77ms/step
>825, dr[0.720,0.562], df[0.444,0.099], g[2.104,0.103]
1/1 [=====] - 0s 82ms/step
>826, dr[0.451,0.603], df[0.349,0.034], g[1.914,0.089]
1/1 [=====] - 0s 72ms/step
>827, dr[0.585,0.699], df[0.473,0.098], g[1.797,0.068]
1/1 [=====] - 0s 78ms/step
>828, dr[0.552,0.763], df[0.540,0.056], g[1.539,0.099]
1/1 [=====] - 0s 79ms/step
>829, dr[0.471,1.154], df[0.597,0.074], g[1.708,0.077]
1/1 [=====] - 0s 79ms/step
>830, dr[0.334,0.825], df[0.599,0.132], g[1.793,0.037]
1/1 [=====] - 0s 70ms/step
>831, dr[0.885,0.635], df[0.534,0.036], g[1.527,0.025]
1/1 [=====] - 0s 86ms/step
>832, dr[0.452,0.446], df[0.528,0.136], g[1.597,0.074]
1/1 [=====] - 0s 79ms/step
>833, dr[0.281,0.315], df[0.238,0.020], g[1.451,0.056]
1/1 [=====] - 0s 80ms/step
>834, dr[0.435,1.071], df[0.657,0.060], g[1.776,0.077]
1/1 [=====] - 0s 76ms/step
>835, dr[0.442,0.645], df[0.285,0.049], g[2.144,0.053]
1/1 [=====] - 0s 77ms/step
>836, dr[0.591,0.439], df[0.354,0.063], g[2.084,0.034]
1/1 [=====] - 0s 68ms/step
>837, dr[0.296,0.939], df[0.403,0.042], g[2.209,0.067]
1/1 [=====] - 0s 66ms/step
>838, dr[0.489,0.382], df[0.216,0.033], g[1.916,0.067]
1/1 [=====] - 0s 73ms/step
>839, dr[0.469,0.667], df[0.617,0.045], g[1.510,0.069]
1/1 [=====] - 0s 69ms/step
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>840, dr[0.303,0.522], df[0.586,0.022], g[1.734,0.025]
1/1 [=====] - 0s 80ms/step
>841, dr[0.647,0.494], df[0.608,0.051], g[1.741,0.038]
1/1 [=====] - 0s 83ms/step
>842, dr[0.488,0.414], df[0.395,0.109], g[1.765,0.049]
1/1 [=====] - 0s 85ms/step
>843, dr[0.308,0.736], df[0.318,0.077], g[1.627,0.030]
1/1 [=====] - 0s 73ms/step
>844, dr[0.442,0.628], df[0.696,0.042], g[1.476,0.051]
1/1 [=====] - 0s 93ms/step
>845, dr[0.413,0.415], df[0.628,0.072], g[2.039,0.075]
1/1 [=====] - 0s 86ms/step
>846, dr[0.600,0.745], df[0.372,0.037], g[1.730,0.040]
1/1 [=====] - 0s 91ms/step
>847, dr[0.458,0.579], df[0.343,0.114], g[2.095,0.032]
1/1 [=====] - 0s 86ms/step
>848, dr[0.562,0.624], df[0.493,0.015], g[1.986,0.058]
1/1 [=====] - 0s 78ms/step
>849, dr[0.560,0.490], df[0.474,0.061], g[1.781,0.031]
1/1 [=====] - 0s 96ms/step
>850, dr[0.493,0.651], df[0.491,0.014], g[1.863,0.027]
1/1 [=====] - 0s 79ms/step
>851, dr[0.539,1.024], df[0.351,0.060], g[1.418,0.026]
1/1 [=====] - 0s 74ms/step
>852, dr[0.175,1.289], df[0.323,0.085], g[1.620,0.037]
1/1 [=====] - 0s 76ms/step
>853, dr[0.304,0.388], df[0.194,0.010], g[1.526,0.032]
1/1 [=====] - 0s 78ms/step
>854, dr[0.229,1.260], df[0.538,0.047], g[1.592,0.028]
1/1 [=====] - 0s 74ms/step
>855, dr[0.290,0.829], df[0.488,0.033], g[2.048,0.046]
1/1 [=====] - 0s 73ms/step
>856, dr[0.405,0.459], df[0.357,0.106], g[2.076,0.047]
1/1 [=====] - 0s 80ms/step
>857, dr[0.685,0.770], df[0.372,0.133], g[1.731,0.051]
1/1 [=====] - 0s 81ms/step
>858, dr[0.577,0.790], df[0.337,0.046], g[1.707,0.040]
1/1 [=====] - 0s 77ms/step
>859, dr[0.447,0.540], df[0.372,0.112], g[1.801,0.039]
1/1 [=====] - 0s 87ms/step
>860, dr[0.498,0.994], df[0.529,0.033], g[1.726,0.027]
1/1 [=====] - 0s 81ms/step
>861, dr[0.611,0.452], df[0.308,0.043], g[1.492,0.084]
1/1 [=====] - 0s 79ms/step
>862, dr[0.308,0.668], df[0.357,0.026], g[1.677,0.064]
1/1 [=====] - 0s 68ms/step
>863, dr[0.359,0.532], df[0.515,0.051], g[1.588,0.060]
1/1 [=====] - 0s 78ms/step
>864, dr[0.320,0.411], df[0.457,0.178], g[2.253,0.072]
1/1 [=====] - 0s 78ms/step
>865, dr[0.671,0.305], df[0.518,0.078], g[1.958,0.062]
1/1 [=====] - 0s 79ms/step
>866, dr[0.572,0.710], df[0.402,0.043], g[2.115,0.055]
1/1 [=====] - 0s 76ms/step
>867, dr[0.523,0.253], df[0.631,0.036], g[1.758,0.069]
1/1 [=====] - 0s 81ms/step
>868, dr[0.635,0.658], df[0.554,0.065], g[1.857,0.091]
1/1 [=====] - 0s 74ms/step
>869, dr[0.346,0.588], df[0.361,0.034], g[2.027,0.049]
1/1 [=====] - 0s 78ms/step
```

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>870, dr[0.418,1.018], df[0.614,0.096], g[1.837,0.039]
1/1 [=====] - 0s 73ms/step
>871, dr[0.719,0.558], df[0.483,0.030], g[1.460,0.055]
1/1 [=====] - 0s 72ms/step
>872, dr[0.276,0.596], df[0.379,0.029], g[1.487,0.065]
1/1 [=====] - 0s 86ms/step
>873, dr[0.507,0.648], df[0.616,0.031], g[1.871,0.065]
1/1 [=====] - 0s 72ms/step
>874, dr[0.454,0.551], df[0.358,0.059], g[1.628,0.107]
1/1 [=====] - 0s 83ms/step
>875, dr[0.581,0.494], df[0.514,0.012], g[1.637,0.047]
1/1 [=====] - 0s 69ms/step
>876, dr[0.362,0.711], df[0.520,0.065], g[1.719,0.033]
1/1 [=====] - 0s 68ms/step
>877, dr[0.373,0.517], df[0.345,0.115], g[1.803,0.074]
1/1 [=====] - 0s 74ms/step
>878, dr[0.743,0.940], df[0.492,0.056], g[1.783,0.042]
1/1 [=====] - 0s 79ms/step
>879, dr[0.528,0.400], df[0.657,0.078], g[1.747,0.065]
1/1 [=====] - 0s 68ms/step
>880, dr[0.344,0.480], df[0.406,0.040], g[1.621,0.044]
1/1 [=====] - 0s 72ms/step
>881, dr[0.425,0.648], df[0.554,0.062], g[1.985,0.042]
1/1 [=====] - 0s 66ms/step
>882, dr[0.704,0.570], df[0.304,0.038], g[1.785,0.096]
1/1 [=====] - 0s 78ms/step
>883, dr[0.330,0.646], df[0.492,0.044], g[1.617,0.079]
1/1 [=====] - 0s 73ms/step
>884, dr[0.579,1.174], df[0.427,0.018], g[1.706,0.065]
1/1 [=====] - 0s 69ms/step
>885, dr[0.493,0.239], df[0.286,0.104], g[1.845,0.079]
1/1 [=====] - 0s 70ms/step
>886, dr[0.185,0.804], df[0.441,0.048], g[1.849,0.033]
1/1 [=====] - 0s 67ms/step
>887, dr[0.266,0.358], df[0.381,0.110], g[2.431,0.033]
1/1 [=====] - 0s 67ms/step
>888, dr[0.615,0.633], df[0.378,0.049], g[1.979,0.061]
1/1 [=====] - 0s 72ms/step
>889, dr[0.455,0.684], df[0.495,0.143], g[1.670,0.065]
1/1 [=====] - 0s 75ms/step
>890, dr[0.305,0.830], df[0.413,0.020], g[1.909,0.067]
1/1 [=====] - 0s 73ms/step
>891, dr[0.514,0.584], df[0.356,0.033], g[1.780,0.061]
1/1 [=====] - 0s 82ms/step
>892, dr[0.520,0.577], df[0.597,0.043], g[1.559,0.117]
1/1 [=====] - 0s 84ms/step
>893, dr[0.245,0.487], df[0.379,0.029], g[2.120,0.041]
1/1 [=====] - 0s 76ms/step
>894, dr[0.467,0.436], df[0.371,0.144], g[1.874,0.039]
1/1 [=====] - 0s 68ms/step
>895, dr[0.636,1.086], df[0.549,0.020], g[1.920,0.035]
1/1 [=====] - 0s 71ms/step
>896, dr[0.357,0.823], df[0.400,0.025], g[2.175,0.049]
1/1 [=====] - 0s 69ms/step
>897, dr[0.623,1.055], df[0.378,0.027], g[1.889,0.080]
1/1 [=====] - 0s 76ms/step
>898, dr[0.440,0.826], df[0.712,0.059], g[1.979,0.064]
1/1 [=====] - 0s 78ms/step
>899, dr[0.503,0.460], df[0.370,0.052], g[1.865,0.037]
1/1 [=====] - 0s 77ms/step
```

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>900, dr[0.567,0.517], df[0.448,0.025], g[1.749,0.086]
1/1 [=====] - 0s 67ms/step
>901, dr[0.649,0.599], df[0.526,0.022], g[1.536,0.040]
1/1 [=====] - 0s 69ms/step
>902, dr[0.614,0.487], df[0.856,0.063], g[1.615,0.122]
1/1 [=====] - 0s 67ms/step
>903, dr[0.599,0.857], df[0.451,0.108], g[1.524,0.065]
1/1 [=====] - 0s 80ms/step
>904, dr[0.490,0.661], df[0.675,0.053], g[1.586,0.078]
1/1 [=====] - 0s 81ms/step
>905, dr[0.500,0.581], df[0.632,0.111], g[2.041,0.102]
1/1 [=====] - 0s 73ms/step
>906, dr[0.516,0.800], df[0.326,0.031], g[1.840,0.092]
1/1 [=====] - 0s 82ms/step
>907, dr[0.371,0.429], df[0.291,0.061], g[1.876,0.088]
1/1 [=====] - 0s 93ms/step
>908, dr[0.506,0.839], df[0.422,0.229], g[1.492,0.118]
1/1 [=====] - 0s 78ms/step
>909, dr[0.333,0.526], df[0.306,0.040], g[1.197,0.043]
1/1 [=====] - 0s 73ms/step
>910, dr[0.517,0.967], df[0.277,0.042], g[1.018,0.047]
1/1 [=====] - 0s 77ms/step
>911, dr[0.222,0.715], df[0.629,0.064], g[1.229,0.060]
1/1 [=====] - 0s 79ms/step
>912, dr[0.404,0.811], df[0.372,0.036], g[1.515,0.075]
1/1 [=====] - 0s 73ms/step
>913, dr[0.541,0.676], df[0.572,0.033], g[1.634,0.057]
1/1 [=====] - 0s 74ms/step
>914, dr[0.508,0.876], df[0.466,0.044], g[1.381,0.080]
1/1 [=====] - 0s 75ms/step
>915, dr[0.328,0.518], df[0.353,0.065], g[1.351,0.114]
1/1 [=====] - 0s 74ms/step
>916, dr[0.446,0.456], df[0.406,0.068], g[1.632,0.094]
1/1 [=====] - 0s 77ms/step
>917, dr[0.632,0.808], df[0.452,0.069], g[1.568,0.063]
1/1 [=====] - 0s 69ms/step
>918, dr[0.446,0.613], df[0.483,0.053], g[1.677,0.101]
1/1 [=====] - 0s 75ms/step
>919, dr[0.418,0.482], df[0.482,0.075], g[1.655,0.128]
1/1 [=====] - 0s 74ms/step
>920, dr[0.524,0.699], df[0.310,0.035], g[1.482,0.078]
1/1 [=====] - 0s 76ms/step
>921, dr[0.462,0.527], df[0.466,0.044], g[1.387,0.174]
1/1 [=====] - 0s 75ms/step
>922, dr[0.257,1.066], df[0.436,0.043], g[1.189,0.140]
1/1 [=====] - 0s 100ms/step
>923, dr[0.720,0.766], df[0.750,0.062], g[1.269,0.088]
1/1 [=====] - 0s 85ms/step
>924, dr[0.516,0.451], df[0.312,0.049], g[1.052,0.039]
1/1 [=====] - 0s 84ms/step
>925, dr[0.403,0.682], df[0.534,0.041], g[1.097,0.077]
1/1 [=====] - 0s 69ms/step
>926, dr[0.443,0.381], df[0.450,0.066], g[1.440,0.051]
1/1 [=====] - 0s 74ms/step
>927, dr[0.643,0.581], df[0.635,0.090], g[1.510,0.122]
1/1 [=====] - 0s 71ms/step
>928, dr[0.353,0.452], df[0.339,0.134], g[1.666,0.059]
1/1 [=====] - 0s 79ms/step
>929, dr[0.345,0.482], df[0.487,0.033], g[2.237,0.049]
1/1 [=====] - 0s 69ms/step
```

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>930, dr[0.676,0.700], df[0.277,0.031], g[1.652,0.073]
1/1 [=====] - 0s 76ms/step
>931, dr[0.320,1.264], df[0.454,0.018], g[1.583,0.049]
1/1 [=====] - 0s 67ms/step
>932, dr[0.440,0.650], df[0.358,0.028], g[1.704,0.070]
1/1 [=====] - 0s 84ms/step
>933, dr[0.421,1.076], df[0.387,0.027], g[1.526,0.078]
1/1 [=====] - 0s 79ms/step
>934, dr[0.323,0.374], df[0.518,0.031], g[1.570,0.034]
1/1 [=====] - 0s 96ms/step
>935, dr[0.329,0.440], df[0.207,0.023], g[1.611,0.030]
1/1 [=====] - 0s 75ms/step
>936, dr[0.544,0.722], df[0.469,0.027], g[1.193,0.058]
1/1 [=====] - 0s 91ms/step
>937, dr[0.315,0.626], df[0.488,0.038], g[2.006,0.035]
4/4 [=====] - 1s 72ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 81ms/step
>938, dr[0.323,1.011], df[0.459,0.044], g[1.945,0.031]
1/1 [=====] - 0s 68ms/step
>939, dr[0.633,0.912], df[0.442,0.030], g[1.664,0.076]
1/1 [=====] - 0s 83ms/step
>940, dr[0.614,0.739], df[0.465,0.054], g[1.434,0.104]
1/1 [=====] - 0s 73ms/step
>941, dr[0.478,0.470], df[0.701,0.031], g[1.799,0.066]
1/1 [=====] - 0s 74ms/step
>942, dr[0.323,0.853], df[0.397,0.036], g[2.170,0.075]
1/1 [=====] - 0s 69ms/step
>943, dr[0.464,0.590], df[0.313,0.041], g[2.122,0.093]
1/1 [=====] - 0s 76ms/step
>944, dr[0.556,0.493], df[0.431,0.030], g[1.491,0.064]
1/1 [=====] - 0s 67ms/step
>945, dr[0.380,1.273], df[0.505,0.020], g[1.368,0.049]
1/1 [=====] - 0s 75ms/step
>946, dr[0.331,0.446], df[0.409,0.045], g[1.791,0.046]
1/1 [=====] - 0s 80ms/step
>947, dr[0.649,0.535], df[0.335,0.100], g[1.370,0.092]
1/1 [=====] - 0s 76ms/step
>948, dr[0.210,0.667], df[0.604,0.051], g[1.832,0.079]
1/1 [=====] - 0s 68ms/step
>949, dr[0.566,1.093], df[0.464,0.071], g[1.607,0.071]
1/1 [=====] - 0s 70ms/step
>950, dr[0.370,0.634], df[0.439,0.080], g[1.785,0.067]
1/1 [=====] - 0s 78ms/step
>951, dr[0.575,0.510], df[0.431,0.034], g[1.691,0.047]
1/1 [=====] - 0s 74ms/step
>952, dr[0.386,0.794], df[0.501,0.050], g[1.610,0.084]
1/1 [=====] - 0s 82ms/step
>953, dr[0.330,0.756], df[0.431,0.077], g[1.540,0.083]
1/1 [=====] - 0s 74ms/step
>954, dr[0.360,0.398], df[0.375,0.038], g[1.706,0.074]
1/1 [=====] - 0s 69ms/step
>955, dr[0.480,0.766], df[0.406,0.032], g[1.660,0.056]
1/1 [=====] - 0s 76ms/step
>956, dr[0.539,0.520], df[0.563,0.049], g[1.872,0.050]
1/1 [=====] - 0s 78ms/step
>957, dr[0.429,0.639], df[0.399,0.038], g[1.725,0.036]
1/1 [=====] - 0s 85ms/step
```

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>958, dr[0.390,0.704], df[0.484,0.049], g[2.294,0.059]
1/1 [=====] - 0s 73ms/step
>959, dr[0.543,0.759], df[0.532,0.037], g[1.817,0.030]
1/1 [=====] - 0s 78ms/step
>960, dr[0.370,0.521], df[0.296,0.031], g[2.557,0.023]
1/1 [=====] - 0s 66ms/step
>961, dr[0.524,0.777], df[0.342,0.023], g[2.095,0.080]
1/1 [=====] - 0s 79ms/step
>962, dr[0.223,1.074], df[0.416,0.042], g[2.169,0.137]
1/1 [=====] - 0s 72ms/step
>963, dr[0.419,0.465], df[0.405,0.030], g[1.802,0.054]
1/1 [=====] - 0s 76ms/step
>964, dr[0.415,0.335], df[0.418,0.035], g[1.731,0.067]
1/1 [=====] - 0s 82ms/step
>965, dr[0.361,0.768], df[0.477,0.033], g[1.639,0.062]
1/1 [=====] - 0s 83ms/step
>966, dr[0.594,0.684], df[0.432,0.041], g[1.975,0.058]
1/1 [=====] - 0s 83ms/step
>967, dr[0.519,0.550], df[0.332,0.035], g[1.880,0.076]
1/1 [=====] - 0s 82ms/step
>968, dr[0.395,0.454], df[0.427,0.054], g[1.994,0.046]
1/1 [=====] - 0s 88ms/step
>969, dr[0.401,0.482], df[0.426,0.039], g[2.236,0.069]
1/1 [=====] - 0s 89ms/step
>970, dr[0.539,1.033], df[0.268,0.085], g[1.866,0.082]
1/1 [=====] - 0s 90ms/step
>971, dr[0.394,0.530], df[0.577,0.066], g[2.518,0.102]
1/1 [=====] - 0s 94ms/step
>972, dr[0.671,0.591], df[0.286,0.039], g[2.135,0.119]
1/1 [=====] - 0s 91ms/step
>973, dr[0.469,1.010], df[0.358,0.053], g[2.034,0.074]
1/1 [=====] - 0s 96ms/step
>974, dr[0.474,0.941], df[0.544,0.087], g[1.863,0.049]
1/1 [=====] - 0s 97ms/step
>975, dr[0.220,0.327], df[0.336,0.091], g[1.888,0.060]
1/1 [=====] - 0s 77ms/step
>976, dr[0.268,0.581], df[0.273,0.235], g[2.140,0.090]
1/1 [=====] - 0s 87ms/step
>977, dr[0.367,0.575], df[0.305,0.072], g[2.267,0.038]
1/1 [=====] - 0s 78ms/step
>978, dr[0.652,0.555], df[0.421,0.053], g[1.836,0.085]
1/1 [=====] - 0s 83ms/step
>979, dr[0.598,0.840], df[0.387,0.062], g[1.905,0.083]
1/1 [=====] - 0s 68ms/step
>980, dr[0.251,1.028], df[0.297,0.038], g[1.575,0.042]
1/1 [=====] - 0s 82ms/step
>981, dr[0.281,0.779], df[0.312,0.069], g[1.887,0.066]
1/1 [=====] - 0s 77ms/step
>982, dr[0.438,0.920], df[0.429,0.062], g[1.547,0.062]
1/1 [=====] - 0s 90ms/step
>983, dr[0.508,0.471], df[0.589,0.120], g[1.741,0.101]
1/1 [=====] - 0s 74ms/step
>984, dr[0.458,0.764], df[0.471,0.027], g[1.858,0.043]
1/1 [=====] - 0s 81ms/step
>985, dr[0.316,0.456], df[0.578,0.032], g[1.899,0.020]
1/1 [=====] - 0s 71ms/step
>986, dr[0.353,0.456], df[0.394,0.043], g[1.948,0.074]
1/1 [=====] - 0s 79ms/step
>987, dr[0.541,0.634], df[0.601,0.047], g[1.777,0.045]
1/1 [=====] - 0s 70ms/step
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>988, dr[0.516,0.439], df[0.605,0.044], g[1.645,0.139]
1/1 [=====] - 0s 77ms/step
>989, dr[0.610,0.604], df[0.555,0.085], g[1.633,0.041]
1/1 [=====] - 0s 72ms/step
>990, dr[0.362,0.582], df[0.727,0.041], g[1.836,0.080]
1/1 [=====] - 0s 84ms/step
>991, dr[0.601,0.431], df[0.384,0.025], g[1.726,0.034]
1/1 [=====] - 0s 78ms/step
>992, dr[0.659,0.892], df[0.618,0.042], g[1.458,0.051]
1/1 [=====] - 0s 81ms/step
>993, dr[0.369,0.492], df[0.674,0.059], g[1.796,0.042]
1/1 [=====] - 0s 299ms/step
>994, dr[0.365,0.504], df[0.320,0.036], g[1.833,0.026]
1/1 [=====] - 0s 181ms/step
>995, dr[0.446,0.870], df[0.470,0.083], g[1.805,0.048]
1/1 [=====] - 0s 76ms/step
>996, dr[0.436,0.638], df[0.533,0.051], g[1.685,0.062]
1/1 [=====] - 0s 71ms/step
>997, dr[0.539,0.790], df[0.590,0.108], g[1.506,0.128]
1/1 [=====] - 0s 73ms/step
>998, dr[0.343,0.510], df[0.260,0.095], g[1.949,0.157]
1/1 [=====] - 0s 89ms/step
>999, dr[0.663,1.034], df[0.830,0.065], g[1.626,0.090]
1/1 [=====] - 0s 71ms/step
>1000, dr[0.369,0.772], df[0.752,0.052], g[1.629,0.071]
1/1 [=====] - 0s 76ms/step
>1001, dr[0.313,0.658], df[0.411,0.047], g[2.266,0.146]
1/1 [=====] - 0s 80ms/step
>1002, dr[0.605,0.663], df[0.595,0.369], g[1.944,0.053]
1/1 [=====] - 0s 83ms/step
>1003, dr[1.036,0.758], df[0.621,0.053], g[1.362,0.038]
1/1 [=====] - 0s 124ms/step
>1004, dr[0.246,0.372], df[0.702,0.056], g[1.630,0.039]
1/1 [=====] - 0s 153ms/step
>1005, dr[0.611,0.796], df[0.544,0.084], g[1.824,0.085]
1/1 [=====] - 0s 89ms/step
>1006, dr[0.527,0.458], df[0.690,0.089], g[2.239,0.044]
1/1 [=====] - 0s 83ms/step
>1007, dr[0.695,0.398], df[0.404,0.064], g[1.682,0.059]
1/1 [=====] - 0s 74ms/step
>1008, dr[0.671,0.718], df[0.709,0.050], g[1.329,0.086]
1/1 [=====] - 0s 74ms/step
>1009, dr[0.523,0.682], df[0.553,0.025], g[1.788,0.040]
1/1 [=====] - 0s 73ms/step
>1010, dr[0.603,1.144], df[0.419,0.021], g[1.183,0.071]
1/1 [=====] - 0s 83ms/step
>1011, dr[0.252,0.777], df[0.399,0.057], g[1.492,0.053]
1/1 [=====] - 0s 78ms/step
>1012, dr[0.263,0.770], df[0.388,0.049], g[1.822,0.088]
1/1 [=====] - 0s 77ms/step
>1013, dr[0.514,0.415], df[0.336,0.104], g[1.493,0.066]
1/1 [=====] - 0s 77ms/step
>1014, dr[0.434,0.960], df[0.386,0.072], g[1.413,0.041]
1/1 [=====] - 0s 78ms/step
>1015, dr[0.262,0.823], df[0.474,0.036], g[1.422,0.057]
1/1 [=====] - 0s 84ms/step
>1016, dr[0.542,0.427], df[0.306,0.059], g[1.477,0.107]
1/1 [=====] - 0s 72ms/step
>1017, dr[0.487,0.547], df[0.608,0.108], g[1.591,0.086]
1/1 [=====] - 0s 81ms/step
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>1018, dr[0.667,0.591], df[0.284,0.034], g[1.629,0.093]
1/1 [=====] - 0s 73ms/step
>1019, dr[0.406,0.678], df[0.526,0.079], g[1.595,0.066]
1/1 [=====] - 0s 78ms/step
>1020, dr[0.556,0.640], df[0.443,0.063], g[1.411,0.077]
1/1 [=====] - 0s 77ms/step
>1021, dr[0.425,0.494], df[0.382,0.035], g[1.802,0.111]
1/1 [=====] - 0s 94ms/step
>1022, dr[0.417,0.752], df[0.358,0.044], g[1.674,0.079]
1/1 [=====] - 0s 87ms/step
>1023, dr[0.445,0.993], df[0.440,0.039], g[1.609,0.064]
1/1 [=====] - 0s 85ms/step
>1024, dr[0.258,0.568], df[0.574,0.076], g[1.343,0.082]
1/1 [=====] - 0s 75ms/step
>1025, dr[0.566,0.765], df[0.370,0.089], g[1.222,0.044]
1/1 [=====] - 0s 84ms/step
>1026, dr[0.501,0.534], df[0.321,0.078], g[1.055,0.072]
1/1 [=====] - 0s 78ms/step
>1027, dr[0.335,0.597], df[0.568,0.093], g[0.933,0.070]
1/1 [=====] - 0s 83ms/step
>1028, dr[0.400,0.876], df[0.591,0.060], g[1.167,0.052]
1/1 [=====] - 0s 79ms/step
>1029, dr[0.431,0.363], df[0.385,0.060], g[1.402,0.063]
1/1 [=====] - 0s 84ms/step
>1030, dr[0.847,0.702], df[0.649,0.027], g[1.199,0.051]
1/1 [=====] - 0s 88ms/step
>1031, dr[0.576,0.645], df[0.711,0.091], g[1.325,0.063]
1/1 [=====] - 0s 80ms/step
>1032, dr[0.290,0.730], df[0.387,0.046], g[1.713,0.041]
1/1 [=====] - 0s 75ms/step
>1033, dr[0.524,0.844], df[0.465,0.057], g[1.621,0.078]
1/1 [=====] - 0s 81ms/step
>1034, dr[0.714,0.442], df[0.520,0.033], g[1.752,0.097]
1/1 [=====] - 0s 78ms/step
>1035, dr[0.628,0.699], df[0.608,0.042], g[1.398,0.060]
1/1 [=====] - 0s 87ms/step
>1036, dr[0.447,0.451], df[0.337,0.076], g[1.446,0.074]
1/1 [=====] - 0s 77ms/step
>1037, dr[0.451,0.781], df[0.726,0.189], g[1.685,0.043]
1/1 [=====] - 0s 72ms/step
>1038, dr[0.549,0.620], df[0.457,0.053], g[1.756,0.112]
1/1 [=====] - 0s 76ms/step
>1039, dr[0.786,0.933], df[0.526,0.017], g[1.274,0.075]
1/1 [=====] - 0s 72ms/step
>1040, dr[0.283,0.791], df[0.395,0.086], g[0.942,0.061]
1/1 [=====] - 0s 76ms/step
>1041, dr[0.262,0.837], df[0.477,0.049], g[1.024,0.045]
1/1 [=====] - 0s 73ms/step
>1042, dr[0.440,0.404], df[0.322,0.053], g[0.939,0.057]
1/1 [=====] - 0s 81ms/step
>1043, dr[0.300,1.045], df[0.377,0.029], g[0.976,0.052]
1/1 [=====] - 0s 71ms/step
>1044, dr[0.280,0.722], df[0.364,0.073], g[1.128,0.055]
1/1 [=====] - 0s 71ms/step
>1045, dr[0.334,0.862], df[0.450,0.050], g[0.925,0.073]
1/1 [=====] - 0s 69ms/step
>1046, dr[0.974,0.726], df[0.672,0.086], g[1.310,0.066]
1/1 [=====] - 0s 79ms/step
>1047, dr[0.495,0.474], df[0.668,0.029], g[1.256,0.124]
1/1 [=====] - 0s 75ms/step
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>1048, dr[0.510,1.128], df[0.403,0.069], g[1.498,0.084]
1/1 [=====] - 0s 79ms/step
>1049, dr[0.606,0.609], df[0.624,0.101], g[1.561,0.053]
1/1 [=====] - 0s 85ms/step
>1050, dr[0.390,0.365], df[0.795,0.085], g[1.836,0.062]
1/1 [=====] - 0s 84ms/step
>1051, dr[0.862,0.396], df[0.422,0.042], g[1.448,0.046]
1/1 [=====] - 0s 80ms/step
>1052, dr[0.765,0.848], df[0.758,0.055], g[1.173,0.096]
1/1 [=====] - 0s 76ms/step
>1053, dr[0.605,0.843], df[0.770,0.104], g[1.110,0.043]
1/1 [=====] - 0s 85ms/step
>1054, dr[0.244,0.311], df[0.423,0.061], g[1.616,0.077]
1/1 [=====] - 0s 77ms/step
>1055, dr[0.500,0.784], df[0.334,0.063], g[1.015,0.058]
1/1 [=====] - 0s 76ms/step
>1056, dr[0.504,0.644], df[0.515,0.060], g[1.320,0.071]
1/1 [=====] - 0s 75ms/step
>1057, dr[0.623,0.472], df[0.388,0.025], g[0.718,0.055]
1/1 [=====] - 0s 96ms/step
>1058, dr[0.192,0.563], df[0.284,0.066], g[0.686,0.075]
1/1 [=====] - 0s 72ms/step
>1059, dr[0.457,0.521], df[0.641,0.015], g[0.591,0.045]
1/1 [=====] - 0s 70ms/step
>1060, dr[0.367,0.721], df[0.579,0.108], g[1.255,0.126]
1/1 [=====] - 0s 83ms/step
>1061, dr[0.370,0.433], df[0.498,0.072], g[1.470,0.047]
1/1 [=====] - 0s 68ms/step
>1062, dr[0.657,0.204], df[0.353,0.054], g[1.138,0.134]
1/1 [=====] - 0s 78ms/step
>1063, dr[0.749,0.461], df[0.649,0.022], g[1.000,0.059]
1/1 [=====] - 0s 69ms/step
>1064, dr[0.292,0.537], df[0.634,0.052], g[0.968,0.075]
1/1 [=====] - 0s 70ms/step
>1065, dr[0.833,0.189], df[0.664,0.042], g[1.229,0.056]
1/1 [=====] - 0s 74ms/step
>1066, dr[0.708,1.043], df[0.678,0.041], g[1.082,0.046]
1/1 [=====] - 0s 70ms/step
>1067, dr[0.765,0.932], df[0.771,0.084], g[1.177,0.038]
1/1 [=====] - 0s 74ms/step
>1068, dr[0.445,0.903], df[0.498,0.134], g[1.068,0.055]
1/1 [=====] - 0s 72ms/step
>1069, dr[0.489,0.551], df[0.369,0.046], g[0.914,0.061]
1/1 [=====] - 0s 106ms/step
>1070, dr[0.713,0.234], df[0.503,0.013], g[0.707,0.019]
1/1 [=====] - 0s 74ms/step
>1071, dr[0.369,0.789], df[0.573,0.029], g[0.631,0.096]
1/1 [=====] - 0s 85ms/step
>1072, dr[0.252,0.959], df[0.680,0.047], g[1.081,0.052]
1/1 [=====] - 0s 70ms/step
>1073, dr[0.935,1.091], df[0.565,0.026], g[1.336,0.141]
1/1 [=====] - 0s 74ms/step
>1074, dr[0.526,0.886], df[0.525,0.060], g[1.276,0.068]
1/1 [=====] - 0s 72ms/step
>1075, dr[0.543,0.529], df[0.523,0.083], g[1.332,0.039]
1/1 [=====] - 0s 76ms/step
>1076, dr[1.078,0.716], df[0.367,0.048], g[1.050,0.049]
1/1 [=====] - 0s 69ms/step
>1077, dr[0.323,0.576], df[0.649,0.063], g[0.825,0.105]
1/1 [=====] - 0s 85ms/step
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>1078, dr[0.570,1.073], df[0.571,0.054], g[0.868,0.089]
1/1 [=====] - 0s 99ms/step
>1079, dr[0.391,0.578], df[0.829,0.071], g[1.136,0.062]
1/1 [=====] - 0s 85ms/step
>1080, dr[0.700,0.324], df[0.366,0.046], g[1.160,0.049]
1/1 [=====] - 0s 73ms/step
>1081, dr[0.893,0.481], df[0.471,0.028], g[0.765,0.077]
1/1 [=====] - 0s 69ms/step
>1082, dr[0.369,0.856], df[0.727,0.017], g[0.677,0.079]
1/1 [=====] - 0s 68ms/step
>1083, dr[0.579,0.667], df[0.755,0.102], g[0.859,0.069]
1/1 [=====] - 0s 77ms/step
>1084, dr[0.498,0.339], df[0.722,0.094], g[1.304,0.117]
1/1 [=====] - 0s 76ms/step
>1085, dr[0.424,0.998], df[0.523,0.024], g[1.508,0.071]
1/1 [=====] - 0s 72ms/step
>1086, dr[1.034,0.754], df[0.417,0.066], g[1.106,0.100]
1/1 [=====] - 0s 70ms/step
>1087, dr[0.572,0.739], df[0.764,0.120], g[1.134,0.236]
1/1 [=====] - 0s 77ms/step
>1088, dr[0.505,0.666], df[0.628,0.164], g[1.511,0.084]
1/1 [=====] - 0s 67ms/step
>1089, dr[0.496,0.554], df[0.580,0.034], g[1.502,0.078]
1/1 [=====] - 0s 76ms/step
>1090, dr[0.876,0.789], df[0.555,0.052], g[1.310,0.063]
1/1 [=====] - 0s 76ms/step
>1091, dr[0.419,1.576], df[0.598,0.053], g[1.098,0.081]
1/1 [=====] - 0s 75ms/step
>1092, dr[0.341,0.492], df[0.684,0.041], g[1.361,0.046]
1/1 [=====] - 0s 68ms/step
>1093, dr[0.403,1.006], df[0.272,0.014], g[1.233,0.165]
1/1 [=====] - 0s 77ms/step
>1094, dr[0.524,0.561], df[0.436,0.053], g[0.996,0.070]
1/1 [=====] - 0s 70ms/step
>1095, dr[0.478,0.896], df[0.571,0.013], g[1.158,0.089]
1/1 [=====] - 0s 67ms/step
>1096, dr[0.457,0.563], df[0.692,0.206], g[1.708,0.086]
1/1 [=====] - 0s 70ms/step
>1097, dr[0.462,0.453], df[0.608,0.082], g[1.556,0.074]
1/1 [=====] - 0s 72ms/step
>1098, dr[0.894,0.197], df[0.447,0.063], g[1.271,0.071]
1/1 [=====] - 0s 72ms/step
>1099, dr[0.494,0.499], df[0.827,0.046], g[1.343,0.086]
1/1 [=====] - 0s 71ms/step
>1100, dr[0.406,0.452], df[0.528,0.035], g[1.423,0.046]
1/1 [=====] - 0s 79ms/step
>1101, dr[0.549,0.744], df[0.616,0.107], g[1.479,0.048]
1/1 [=====] - 0s 73ms/step
>1102, dr[0.461,0.541], df[0.473,0.046], g[1.683,0.073]
1/1 [=====] - 0s 86ms/step
>1103, dr[0.443,0.795], df[0.465,0.044], g[1.662,0.030]
1/1 [=====] - 0s 93ms/step
>1104, dr[0.453,0.523], df[0.536,0.019], g[2.056,0.053]
1/1 [=====] - 0s 104ms/step
>1105, dr[0.623,0.518], df[0.323,0.038], g[1.309,0.121]
1/1 [=====] - 0s 82ms/step
>1106, dr[0.446,1.057], df[0.579,0.026], g[1.401,0.100]
1/1 [=====] - 0s 88ms/step
>1107, dr[0.351,0.547], df[0.533,0.093], g[1.637,0.064]
1/1 [=====] - 0s 82ms/step
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>1108, dr[0.489,0.488], df[0.411,0.030], g[1.145,0.037]
1/1 [=====] - 0s 86ms/step
>1109, dr[0.433,0.560], df[0.547,0.044], g[1.549,0.047]
1/1 [=====] - 0s 90ms/step
>1110, dr[0.489,0.777], df[0.587,0.036], g[1.491,0.073]
1/1 [=====] - 0s 82ms/step
>1111, dr[0.480,0.618], df[0.596,0.079], g[1.135,0.050]
1/1 [=====] - 0s 88ms/step
>1112, dr[0.557,0.845], df[0.486,0.064], g[1.402,0.072]
1/1 [=====] - 0s 83ms/step
>1113, dr[0.293,0.619], df[0.560,0.047], g[1.477,0.116]
1/1 [=====] - 0s 87ms/step
>1114, dr[0.648,0.922], df[0.520,0.134], g[1.606,0.068]
1/1 [=====] - 0s 91ms/step
>1115, dr[0.881,0.791], df[0.546,0.046], g[1.302,0.070]
1/1 [=====] - 0s 87ms/step
>1116, dr[0.490,0.794], df[0.607,0.092], g[1.684,0.054]
1/1 [=====] - 0s 94ms/step
>1117, dr[0.606,0.531], df[0.563,0.109], g[1.243,0.075]
1/1 [=====] - 0s 80ms/step
>1118, dr[0.477,0.703], df[0.561,0.037], g[1.674,0.064]
1/1 [=====] - 0s 69ms/step
>1119, dr[0.723,0.475], df[0.808,0.055], g[1.198,0.055]
1/1 [=====] - 0s 70ms/step
>1120, dr[0.588,0.840], df[0.518,0.113], g[1.610,0.090]
1/1 [=====] - 0s 71ms/step
>1121, dr[0.440,0.869], df[0.391,0.102], g[1.289,0.035]
1/1 [=====] - 0s 71ms/step
>1122, dr[0.420,0.743], df[0.509,0.144], g[1.497,0.048]
1/1 [=====] - 0s 76ms/step
>1123, dr[0.618,0.470], df[0.825,0.080], g[1.465,0.058]
1/1 [=====] - 0s 78ms/step
>1124, dr[0.430,0.314], df[0.647,0.078], g[1.458,0.121]
1/1 [=====] - 0s 84ms/step
>1125, dr[0.728,0.312], df[0.755,0.070], g[1.502,0.067]
1/1 [=====] - 0s 70ms/step
>1126, dr[1.012,0.566], df[0.380,0.152], g[1.690,0.046]
1/1 [=====] - 0s 73ms/step
>1127, dr[0.477,0.295], df[0.382,0.054], g[1.710,0.070]
1/1 [=====] - 0s 69ms/step
>1128, dr[0.332,0.833], df[0.579,0.097], g[1.964,0.045]
1/1 [=====] - 0s 70ms/step
>1129, dr[0.498,0.635], df[0.441,0.090], g[1.882,0.049]
1/1 [=====] - 0s 83ms/step
>1130, dr[0.383,0.925], df[0.485,0.032], g[1.426,0.043]
1/1 [=====] - 0s 72ms/step
>1131, dr[0.566,0.578], df[0.846,0.050], g[1.672,0.043]
1/1 [=====] - 0s 82ms/step
>1132, dr[0.644,0.712], df[0.607,0.021], g[1.705,0.037]
1/1 [=====] - 0s 82ms/step
>1133, dr[0.724,0.541], df[0.563,0.032], g[1.190,0.066]
1/1 [=====] - 0s 75ms/step
>1134, dr[0.660,0.412], df[0.566,0.038], g[1.430,0.068]
1/1 [=====] - 0s 67ms/step
>1135, dr[0.526,0.468], df[0.692,0.346], g[1.412,0.043]
1/1 [=====] - 0s 73ms/step
>1136, dr[0.393,0.525], df[0.705,0.074], g[1.211,0.067]
1/1 [=====] - 0s 69ms/step
>1137, dr[0.522,0.623], df[0.594,0.060], g[1.179,0.138]
1/1 [=====] - 0s 78ms/step
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>1138, dr[0.582,0.420], df[0.676,0.059], g[1.470,0.074]
1/1 [=====] - 0s 68ms/step
>1139, dr[0.636,1.418], df[0.738,0.112], g[1.738,0.073]
1/1 [=====] - 0s 75ms/step
>1140, dr[0.897,0.407], df[0.516,0.110], g[1.626,0.142]
1/1 [=====] - 0s 67ms/step
>1141, dr[0.541,0.873], df[0.459,0.061], g[1.341,0.082]
1/1 [=====] - 0s 81ms/step
>1142, dr[0.443,0.779], df[0.328,0.091], g[1.349,0.086]
1/1 [=====] - 0s 72ms/step
>1143, dr[0.533,0.484], df[0.808,0.049], g[1.494,0.075]
1/1 [=====] - 0s 79ms/step
>1144, dr[0.542,0.457], df[0.475,0.098], g[1.495,0.068]
1/1 [=====] - 0s 68ms/step
>1145, dr[0.391,0.631], df[0.717,0.096], g[1.471,0.148]
1/1 [=====] - 0s 68ms/step
>1146, dr[0.548,0.987], df[0.611,0.109], g[1.562,0.071]
1/1 [=====] - 0s 73ms/step
>1147, dr[0.563,0.680], df[0.471,0.054], g[1.311,0.071]
1/1 [=====] - 0s 68ms/step
>1148, dr[0.464,0.865], df[0.489,0.050], g[1.258,0.062]
1/1 [=====] - 0s 78ms/step
>1149, dr[0.608,0.689], df[1.075,0.091], g[1.419,0.120]
1/1 [=====] - 0s 68ms/step
>1150, dr[0.451,0.378], df[0.482,0.321], g[1.401,0.079]
1/1 [=====] - 0s 78ms/step
>1151, dr[0.757,0.814], df[0.684,0.097], g[1.598,0.089]
1/1 [=====] - 0s 70ms/step
>1152, dr[0.750,0.507], df[0.671,0.132], g[1.436,0.142]
1/1 [=====] - 0s 74ms/step
>1153, dr[0.598,0.305], df[0.573,0.080], g[1.519,0.126]
1/1 [=====] - 0s 69ms/step
>1154, dr[0.638,0.897], df[0.592,0.075], g[1.313,0.138]
1/1 [=====] - 0s 77ms/step
>1155, dr[0.473,0.458], df[0.434,0.118], g[1.401,0.101]
1/1 [=====] - 0s 75ms/step
>1156, dr[0.725,0.793], df[0.654,0.030], g[1.236,0.096]
1/1 [=====] - 0s 71ms/step
>1157, dr[0.667,0.692], df[0.664,0.072], g[1.504,0.090]
1/1 [=====] - 0s 69ms/step
>1158, dr[0.670,0.353], df[0.665,0.074], g[1.322,0.069]
1/1 [=====] - 0s 72ms/step
>1159, dr[0.433,0.743], df[0.668,0.231], g[1.446,0.083]
1/1 [=====] - 0s 70ms/step
>1160, dr[0.743,0.367], df[0.568,0.123], g[1.287,0.072]
1/1 [=====] - 0s 72ms/step
>1161, dr[0.505,0.904], df[0.631,0.053], g[1.301,0.060]
1/1 [=====] - 0s 72ms/step
>1162, dr[0.588,0.498], df[0.737,0.099], g[1.535,0.053]
1/1 [=====] - 0s 71ms/step
>1163, dr[0.706,0.729], df[0.656,0.047], g[1.513,0.048]
1/1 [=====] - 0s 67ms/step
>1164, dr[0.518,0.523], df[0.673,0.072], g[1.623,0.122]
1/1 [=====] - 0s 73ms/step
>1165, dr[0.718,0.670], df[0.518,0.048], g[1.577,0.044]
1/1 [=====] - 0s 85ms/step
>1166, dr[0.436,0.756], df[0.794,0.134], g[1.549,0.100]
1/1 [=====] - 0s 80ms/step
>1167, dr[0.675,0.661], df[0.514,0.066], g[1.620,0.129]
1/1 [=====] - 0s 85ms/step
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>1168, dr[0.827,1.001], df[0.513,0.077], g[1.269,0.114]
1/1 [=====] - 0s 70ms/step
>1169, dr[0.682,0.978], df[0.536,0.030], g[1.249,0.087]
1/1 [=====] - 0s 70ms/step
>1170, dr[0.322,0.512], df[0.746,0.121], g[1.516,0.080]
1/1 [=====] - 0s 74ms/step
>1171, dr[0.686,0.336], df[0.382,0.036], g[1.309,0.198]
1/1 [=====] - 0s 80ms/step
>1172, dr[0.580,0.759], df[0.621,0.190], g[1.166,0.073]
1/1 [=====] - 0s 68ms/step
>1173, dr[0.491,0.432], df[0.803,0.123], g[1.575,0.098]
1/1 [=====] - 0s 75ms/step
>1174, dr[0.531,0.753], df[0.588,0.092], g[1.371,0.032]
1/1 [=====] - 0s 71ms/step
>1175, dr[0.550,0.603], df[0.376,0.061], g[1.376,0.064]
1/1 [=====] - 0s 83ms/step
>1176, dr[0.795,0.937], df[0.678,0.147], g[1.251,0.067]
1/1 [=====] - 0s 72ms/step
>1177, dr[0.597,0.344], df[0.529,0.161], g[1.298,0.110]
1/1 [=====] - 0s 88ms/step
>1178, dr[0.380,0.652], df[0.736,0.042], g[1.609,0.057]
1/1 [=====] - 0s 73ms/step
>1179, dr[0.592,0.468], df[0.377,0.047], g[1.304,0.180]
1/1 [=====] - 0s 79ms/step
>1180, dr[0.616,0.466], df[0.818,0.057], g[1.614,0.077]
1/1 [=====] - 0s 69ms/step
>1181, dr[0.713,0.667], df[0.433,0.049], g[1.580,0.061]
1/1 [=====] - 0s 76ms/step
>1182, dr[0.727,0.602], df[0.594,0.093], g[1.497,0.070]
1/1 [=====] - 0s 68ms/step
>1183, dr[0.409,1.168], df[0.578,0.049], g[1.351,0.059]
1/1 [=====] - 0s 87ms/step
>1184, dr[0.407,1.101], df[0.598,0.134], g[1.564,0.101]
1/1 [=====] - 0s 74ms/step
>1185, dr[0.604,0.506], df[0.478,0.066], g[1.494,0.060]
1/1 [=====] - 0s 84ms/step
>1186, dr[0.685,0.825], df[0.568,0.112], g[1.047,0.066]
1/1 [=====] - 0s 71ms/step
>1187, dr[0.321,0.673], df[0.552,0.058], g[1.328,0.063]
1/1 [=====] - 0s 80ms/step
>1188, dr[0.931,0.741], df[0.511,0.134], g[1.200,0.097]
1/1 [=====] - 0s 70ms/step
>1189, dr[0.494,0.600], df[0.716,0.071], g[1.329,0.046]
1/1 [=====] - 0s 76ms/step
>1190, dr[0.493,0.761], df[0.560,0.045], g[1.448,0.092]
1/1 [=====] - 0s 73ms/step
>1191, dr[0.498,1.047], df[0.459,0.084], g[1.133,0.139]
1/1 [=====] - 0s 71ms/step
>1192, dr[0.596,0.630], df[0.480,0.188], g[1.126,0.106]
1/1 [=====] - 0s 73ms/step
>1193, dr[0.328,0.536], df[0.584,0.196], g[1.408,0.075]
1/1 [=====] - 0s 75ms/step
>1194, dr[0.473,1.010], df[0.556,0.069], g[1.550,0.069]
1/1 [=====] - 0s 77ms/step
>1195, dr[0.432,0.304], df[0.432,0.080], g[1.447,0.062]
1/1 [=====] - 0s 78ms/step
>1196, dr[0.804,0.240], df[0.673,0.087], g[1.554,0.111]
1/1 [=====] - 0s 73ms/step
>1197, dr[0.717,0.500], df[0.688,0.025], g[1.527,0.073]
1/1 [=====] - 0s 67ms/step
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>1198, dr[0.876,0.585], df[0.485,0.037], g[1.579,0.106]
1/1 [=====] - 0s 75ms/step
>1199, dr[0.775,0.578], df[0.473,0.178], g[1.295,0.115]
1/1 [=====] - 0s 67ms/step
>1200, dr[0.480,0.592], df[0.766,0.051], g[1.447,0.070]
1/1 [=====] - 0s 75ms/step
>1201, dr[0.392,0.829], df[0.763,0.088], g[1.544,0.113]
1/1 [=====] - 0s 73ms/step
>1202, dr[0.622,0.809], df[0.500,0.115], g[1.596,0.062]
1/1 [=====] - 0s 73ms/step
>1203, dr[0.585,0.505], df[0.444,0.094], g[1.492,0.098]
1/1 [=====] - 0s 68ms/step
>1204, dr[0.556,0.522], df[0.544,0.073], g[1.500,0.047]
1/1 [=====] - 0s 78ms/step
>1205, dr[0.506,0.892], df[0.736,0.080], g[1.320,0.172]
1/1 [=====] - 0s 69ms/step
>1206, dr[0.460,0.493], df[0.511,0.092], g[1.575,0.083]
1/1 [=====] - 0s 75ms/step
>1207, dr[0.583,0.631], df[0.420,0.092], g[1.217,0.060]
1/1 [=====] - 0s 80ms/step
>1208, dr[0.446,0.481], df[0.589,0.050], g[1.289,0.065]
1/1 [=====] - 0s 73ms/step
>1209, dr[0.304,0.906], df[0.413,0.051], g[1.499,0.064]
1/1 [=====] - 0s 72ms/step
>1210, dr[0.418,0.411], df[0.433,0.101], g[1.444,0.091]
1/1 [=====] - 0s 74ms/step
>1211, dr[0.466,1.142], df[0.619,0.135], g[1.313,0.081]
1/1 [=====] - 0s 68ms/step
>1212, dr[1.143,0.551], df[0.560,0.090], g[0.944,0.087]
1/1 [=====] - 0s 68ms/step
>1213, dr[0.272,0.596], df[0.821,0.131], g[1.729,0.095]
1/1 [=====] - 0s 78ms/step
>1214, dr[0.968,0.764], df[0.657,0.068], g[1.651,0.046]
1/1 [=====] - 0s 67ms/step
>1215, dr[0.771,0.872], df[0.511,0.048], g[1.361,0.151]
1/1 [=====] - 0s 75ms/step
>1216, dr[0.572,0.519], df[0.646,0.077], g[1.339,0.165]
1/1 [=====] - 0s 71ms/step
>1217, dr[0.806,0.817], df[0.859,0.066], g[1.046,0.068]
1/1 [=====] - 0s 78ms/step
>1218, dr[0.570,0.660], df[0.767,0.196], g[1.218,0.053]
1/1 [=====] - 0s 69ms/step
>1219, dr[0.403,0.938], df[0.578,0.032], g[1.159,0.076]
1/1 [=====] - 0s 74ms/step
>1220, dr[0.378,0.623], df[0.692,0.116], g[1.547,0.061]
1/1 [=====] - 0s 75ms/step
>1221, dr[0.614,0.783], df[0.443,0.055], g[1.500,0.056]
1/1 [=====] - 0s 75ms/step
>1222, dr[0.499,1.012], df[0.883,0.187], g[1.579,0.064]
1/1 [=====] - 0s 68ms/step
>1223, dr[0.419,0.797], df[0.336,0.068], g[1.545,0.048]
1/1 [=====] - 0s 73ms/step
>1224, dr[0.718,0.537], df[0.501,0.128], g[1.215,0.060]
1/1 [=====] - 0s 67ms/step
>1225, dr[0.386,0.414], df[0.742,0.252], g[1.380,0.134]
1/1 [=====] - 0s 70ms/step
>1226, dr[0.447,0.982], df[0.637,0.088], g[1.652,0.078]
1/1 [=====] - 0s 74ms/step
>1227, dr[0.546,0.830], df[0.630,0.146], g[1.671,0.118]
1/1 [=====] - 0s 75ms/step
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>1228, dr[0.558,0.435], df[0.831,0.084], g[1.698,0.091]
1/1 [=====] - 0s 97ms/step
>1229, dr[0.557,0.456], df[0.474,0.158], g[1.926,0.049]
1/1 [=====] - 0s 73ms/step
>1230, dr[0.715,0.387], df[0.454,0.103], g[1.795,0.080]
1/1 [=====] - 0s 76ms/step
>1231, dr[0.727,0.745], df[0.407,0.096], g[1.418,0.105]
1/1 [=====] - 0s 72ms/step
>1232, dr[0.548,0.693], df[0.623,0.079], g[1.143,0.106]
1/1 [=====] - 0s 81ms/step
>1233, dr[0.508,0.718], df[0.649,0.270], g[1.505,0.106]
1/1 [=====] - 0s 79ms/step
>1234, dr[0.590,0.637], df[0.457,0.045], g[1.638,0.095]
1/1 [=====] - 0s 74ms/step
>1235, dr[0.522,0.263], df[0.773,0.058], g[1.140,0.135]
1/1 [=====] - 0s 74ms/step
>1236, dr[0.471,0.483], df[0.747,0.128], g[1.649,0.100]
1/1 [=====] - 0s 74ms/step
>1237, dr[0.519,0.610], df[0.822,0.088], g[1.554,0.076]
1/1 [=====] - 0s 75ms/step
>1238, dr[0.665,0.780], df[0.449,0.205], g[1.559,0.145]
1/1 [=====] - 0s 74ms/step
>1239, dr[0.549,0.820], df[0.420,0.058], g[1.633,0.099]
1/1 [=====] - 0s 73ms/step
>1240, dr[0.371,0.639], df[0.359,0.066], g[1.099,0.076]
1/1 [=====] - 0s 77ms/step
>1241, dr[0.444,0.455], df[0.836,0.077], g[1.569,0.075]
1/1 [=====] - 0s 72ms/step
>1242, dr[0.378,0.741], df[0.652,0.027], g[1.638,0.075]
1/1 [=====] - 0s 84ms/step
>1243, dr[0.660,0.461], df[0.652,0.127], g[1.804,0.071]
1/1 [=====] - 0s 77ms/step
>1244, dr[0.829,0.587], df[0.524,0.060], g[1.571,0.113]
1/1 [=====] - 0s 83ms/step
>1245, dr[0.760,0.924], df[0.667,0.102], g[1.770,0.049]
1/1 [=====] - 0s 71ms/step
>1246, dr[0.608,0.760], df[0.494,0.141], g[1.610,0.179]
1/1 [=====] - 0s 87ms/step
>1247, dr[0.555,0.732], df[0.360,0.190], g[1.621,0.136]
1/1 [=====] - 0s 80ms/step
>1248, dr[0.498,0.935], df[0.634,0.070], g[1.088,0.149]
1/1 [=====] - 0s 85ms/step
>1249, dr[0.470,0.801], df[0.674,0.041], g[1.278,0.116]
1/1 [=====] - 0s 81ms/step
>1250, dr[0.725,0.698], df[0.739,0.187], g[1.271,0.063]
1/1 [=====] - 0s 95ms/step
>1251, dr[0.654,0.497], df[0.775,0.065], g[1.238,0.038]
1/1 [=====] - 0s 81ms/step
>1252, dr[0.550,0.333], df[0.542,0.133], g[1.253,0.078]
1/1 [=====] - 0s 83ms/step
>1253, dr[0.568,0.470], df[0.734,0.184], g[1.364,0.115]
1/1 [=====] - 0s 80ms/step
>1254, dr[0.450,0.542], df[0.454,0.163], g[1.601,0.075]
1/1 [=====] - 0s 87ms/step
>1255, dr[0.486,0.674], df[0.310,0.106], g[1.507,0.131]
1/1 [=====] - 0s 83ms/step
>1256, dr[0.723,0.662], df[0.631,0.095], g[1.215,0.056]
1/1 [=====] - 0s 85ms/step
>1257, dr[0.512,0.690], df[0.811,0.107], g[1.357,0.084]
1/1 [=====] - 0s 76ms/step
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>1258, dr[0.647,0.425], df[0.736,0.040], g[1.314,0.067]
1/1 [=====] - 0s 82ms/step
>1259, dr[0.432,0.797], df[0.472,0.047], g[1.493,0.074]
1/1 [=====] - 0s 75ms/step
>1260, dr[0.647,0.393], df[0.602,0.067], g[1.327,0.079]
1/1 [=====] - 0s 80ms/step
>1261, dr[0.825,0.681], df[0.474,0.042], g[1.408,0.045]
1/1 [=====] - 0s 76ms/step
>1262, dr[0.447,0.321], df[0.697,0.097], g[1.288,0.149]
1/1 [=====] - 0s 78ms/step
>1263, dr[0.318,0.877], df[0.491,0.244], g[1.523,0.173]
1/1 [=====] - 0s 85ms/step
>1264, dr[0.586,0.738], df[0.463,0.104], g[1.316,0.048]
1/1 [=====] - 0s 79ms/step
>1265, dr[0.573,0.579], df[0.535,0.042], g[1.462,0.054]
1/1 [=====] - 0s 77ms/step
>1266, dr[0.812,0.460], df[0.760,0.092], g[1.313,0.109]
1/1 [=====] - 0s 78ms/step
>1267, dr[0.503,0.712], df[0.840,0.031], g[1.302,0.078]
1/1 [=====] - 0s 73ms/step
>1268, dr[0.438,0.382], df[0.651,0.188], g[1.664,0.035]
1/1 [=====] - 0s 80ms/step
>1269, dr[0.786,0.528], df[0.670,0.133], g[1.508,0.085]
1/1 [=====] - 0s 81ms/step
>1270, dr[1.004,0.810], df[0.629,0.062], g[1.118,0.125]
1/1 [=====] - 0s 86ms/step
>1271, dr[0.473,0.324], df[0.598,0.390], g[1.356,0.119]
1/1 [=====] - 0s 86ms/step
>1272, dr[0.584,0.483], df[0.539,0.183], g[1.608,0.129]
1/1 [=====] - 0s 88ms/step
>1273, dr[0.647,1.199], df[0.537,0.152], g[1.356,0.132]
1/1 [=====] - 0s 82ms/step
>1274, dr[0.704,0.845], df[0.858,0.061], g[1.309,0.105]
1/1 [=====] - 0s 81ms/step
>1275, dr[0.604,0.316], df[0.664,0.088], g[1.403,0.056]
1/1 [=====] - 0s 81ms/step
>1276, dr[0.751,0.390], df[0.536,0.093], g[1.274,0.082]
1/1 [=====] - 0s 89ms/step
>1277, dr[0.378,0.510], df[0.700,0.044], g[1.221,0.076]
1/1 [=====] - 0s 98ms/step
>1278, dr[0.516,0.606], df[0.661,0.116], g[1.821,0.119]
1/1 [=====] - 0s 88ms/step
>1279, dr[0.549,0.665], df[0.483,0.096], g[1.166,0.123]
1/1 [=====] - 0s 85ms/step
>1280, dr[0.795,0.727], df[0.629,0.177], g[1.530,0.164]
1/1 [=====] - 0s 88ms/step
>1281, dr[0.681,0.460], df[0.489,0.060], g[1.139,0.193]
1/1 [=====] - 0s 89ms/step
>1282, dr[0.740,0.665], df[1.063,0.073], g[1.317,0.099]
1/1 [=====] - 0s 88ms/step
>1283, dr[0.601,0.636], df[0.570,0.079], g[1.293,0.069]
1/1 [=====] - 0s 89ms/step
>1284, dr[0.684,0.792], df[0.772,0.270], g[1.243,0.088]
1/1 [=====] - 0s 70ms/step
>1285, dr[0.522,0.440], df[0.785,0.111], g[1.345,0.105]
1/1 [=====] - 0s 77ms/step
>1286, dr[0.620,0.670], df[0.834,0.164], g[1.516,0.123]
1/1 [=====] - 0s 72ms/step
>1287, dr[0.635,1.021], df[0.491,0.030], g[1.629,0.047]
1/1 [=====] - 0s 76ms/step
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>1288, dr[0.683,0.735], df[0.629,0.055], g[1.439,0.074]
1/1 [=====] - 0s 80ms/step
>1289, dr[0.948,0.714], df[0.777,0.152], g[1.421,0.138]
1/1 [=====] - 0s 95ms/step
>1290, dr[0.449,0.371], df[0.809,0.072], g[1.482,0.138]
1/1 [=====] - 0s 77ms/step
>1291, dr[0.834,0.748], df[0.579,0.038], g[1.371,0.212]
1/1 [=====] - 0s 84ms/step
>1292, dr[0.577,0.541], df[0.805,0.120], g[1.183,0.164]
1/1 [=====] - 0s 82ms/step
>1293, dr[0.637,0.232], df[0.739,0.164], g[1.586,0.100]
1/1 [=====] - 0s 78ms/step
>1294, dr[0.766,0.719], df[0.570,0.064], g[1.485,0.106]
1/1 [=====] - 0s 80ms/step
>1295, dr[0.569,0.879], df[0.672,0.110], g[1.311,0.152]
1/1 [=====] - 0s 79ms/step
>1296, dr[0.438,0.576], df[0.490,0.075], g[1.294,0.083]
1/1 [=====] - 0s 76ms/step
>1297, dr[0.671,0.808], df[0.838,0.043], g[1.465,0.104]
1/1 [=====] - 0s 80ms/step
>1298, dr[0.512,0.760], df[0.660,0.096], g[1.682,0.065]
1/1 [=====] - 0s 76ms/step
>1299, dr[0.648,0.577], df[0.655,0.112], g[1.631,0.061]
1/1 [=====] - 0s 79ms/step
>1300, dr[0.762,0.497], df[0.624,0.085], g[1.352,0.067]
1/1 [=====] - 0s 77ms/step
>1301, dr[0.728,0.421], df[0.448,0.147], g[1.390,0.079]
1/1 [=====] - 0s 84ms/step
>1302, dr[0.577,0.369], df[0.539,0.068], g[1.554,0.109]
1/1 [=====] - 0s 79ms/step
>1303, dr[0.499,0.840], df[0.618,0.150], g[1.348,0.100]
1/1 [=====] - 0s 80ms/step
>1304, dr[0.520,0.442], df[0.627,0.032], g[1.437,0.042]
1/1 [=====] - 0s 73ms/step
>1305, dr[0.518,0.487], df[0.556,0.067], g[1.224,0.133]
1/1 [=====] - 0s 77ms/step
>1306, dr[0.575,0.578], df[0.651,0.124], g[1.434,0.077]
1/1 [=====] - 0s 81ms/step
>1307, dr[0.524,0.368], df[0.750,0.085], g[1.563,0.065]
1/1 [=====] - 0s 71ms/step
>1308, dr[0.882,0.624], df[0.680,0.325], g[1.556,0.107]
1/1 [=====] - 0s 71ms/step
>1309, dr[0.655,0.467], df[0.639,0.137], g[1.410,0.053]
1/1 [=====] - 0s 83ms/step
>1310, dr[0.647,1.138], df[0.581,0.131], g[1.051,0.130]
1/1 [=====] - 0s 75ms/step
>1311, dr[0.643,0.730], df[0.460,0.062], g[1.570,0.045]
1/1 [=====] - 0s 87ms/step
>1312, dr[0.643,0.508], df[0.589,0.105], g[1.279,0.034]
1/1 [=====] - 0s 79ms/step
>1313, dr[0.502,0.654], df[0.595,0.112], g[1.187,0.054]
1/1 [=====] - 0s 94ms/step
>1314, dr[0.613,0.637], df[0.576,0.182], g[1.216,0.061]
1/1 [=====] - 0s 73ms/step
>1315, dr[0.724,0.978], df[0.898,0.113], g[1.367,0.102]
1/1 [=====] - 0s 78ms/step
>1316, dr[0.775,0.637], df[0.683,0.093], g[1.388,0.129]
1/1 [=====] - 0s 70ms/step
>1317, dr[0.769,0.485], df[0.636,0.237], g[1.169,0.180]
1/1 [=====] - 0s 77ms/step
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>1318, dr[0.812,0.777], df[0.857,0.066], g[1.242,0.105]
1/1 [=====] - 0s 70ms/step
>1319, dr[0.712,0.707], df[0.734,0.099], g[1.407,0.110]
1/1 [=====] - 0s 74ms/step
>1320, dr[0.768,0.489], df[0.653,0.134], g[1.201,0.100]
1/1 [=====] - 0s 74ms/step
>1321, dr[0.399,0.399], df[0.778,0.076], g[1.498,0.045]
1/1 [=====] - 0s 70ms/step
>1322, dr[0.717,0.361], df[0.669,0.108], g[1.290,0.080]
1/1 [=====] - 0s 71ms/step
>1323, dr[0.726,0.520], df[0.598,0.174], g[1.332,0.096]
1/1 [=====] - 0s 71ms/step
>1324, dr[0.606,0.411], df[0.674,0.211], g[1.357,0.129]
1/1 [=====] - 0s 78ms/step
>1325, dr[0.503,0.240], df[0.493,0.064], g[1.466,0.060]
1/1 [=====] - 0s 70ms/step
>1326, dr[0.377,0.905], df[0.437,0.086], g[1.494,0.094]
1/1 [=====] - 0s 76ms/step
>1327, dr[0.657,0.711], df[0.577,0.104], g[1.149,0.057]
1/1 [=====] - 0s 74ms/step
>1328, dr[0.440,0.602], df[0.688,0.159], g[1.460,0.070]
1/1 [=====] - 0s 87ms/step
>1329, dr[0.564,0.490], df[0.561,0.042], g[1.373,0.076]
1/1 [=====] - 0s 75ms/step
>1330, dr[0.470,0.626], df[0.682,0.049], g[1.452,0.092]
1/1 [=====] - 0s 76ms/step
>1331, dr[0.398,0.404], df[0.532,0.019], g[1.480,0.050]
1/1 [=====] - 0s 76ms/step
>1332, dr[0.686,0.740], df[0.597,0.063], g[1.323,0.054]
1/1 [=====] - 0s 77ms/step
>1333, dr[0.692,0.645], df[0.557,0.076], g[1.339,0.088]
1/1 [=====] - 0s 72ms/step
>1334, dr[0.671,0.455], df[0.706,0.164], g[1.196,0.082]
1/1 [=====] - 0s 74ms/step
>1335, dr[0.555,0.712], df[0.683,0.089], g[1.335,0.078]
1/1 [=====] - 0s 76ms/step
>1336, dr[0.544,0.243], df[0.597,0.182], g[1.280,0.039]
1/1 [=====] - 0s 77ms/step
>1337, dr[0.704,0.637], df[0.566,0.065], g[1.473,0.054]
1/1 [=====] - 0s 78ms/step
>1338, dr[0.725,0.563], df[0.572,0.110], g[1.102,0.085]
1/1 [=====] - 0s 85ms/step
>1339, dr[0.567,1.130], df[0.692,0.102], g[1.292,0.070]
1/1 [=====] - 0s 70ms/step
>1340, dr[0.384,0.719], df[0.823,0.057], g[1.709,0.072]
1/1 [=====] - 0s 76ms/step
>1341, dr[0.684,0.860], df[0.600,0.036], g[1.475,0.071]
1/1 [=====] - 0s 69ms/step
>1342, dr[0.548,0.528], df[0.474,0.063], g[1.300,0.050]
1/1 [=====] - 0s 70ms/step
>1343, dr[0.592,0.711], df[0.560,0.048], g[1.297,0.068]
1/1 [=====] - 0s 71ms/step
>1344, dr[0.701,0.445], df[0.484,0.065], g[1.140,0.113]
1/1 [=====] - 0s 69ms/step
>1345, dr[0.463,0.445], df[0.714,0.038], g[1.150,0.090]
1/1 [=====] - 0s 70ms/step
>1346, dr[0.698,1.564], df[0.458,0.096], g[1.271,0.117]
1/1 [=====] - 0s 76ms/step
>1347, dr[0.488,0.385], df[0.441,0.036], g[1.117,0.066]
1/1 [=====] - 0s 80ms/step
```

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>1348, dr[0.704,0.510], df[0.556,0.035], g[1.086,0.067]
1/1 [=====] - 0s 74ms/step
>1349, dr[0.417,0.908], df[0.683,0.050], g[1.247,0.127]
1/1 [=====] - 0s 79ms/step
>1350, dr[0.617,0.593], df[0.673,0.043], g[1.249,0.121]
1/1 [=====] - 0s 73ms/step
>1351, dr[0.755,0.560], df[0.799,0.097], g[1.384,0.140]
1/1 [=====] - 0s 77ms/step
>1352, dr[0.459,0.608], df[0.685,0.184], g[1.393,0.092]
1/1 [=====] - 0s 71ms/step
>1353, dr[0.610,0.584], df[0.716,0.143], g[1.584,0.044]
1/1 [=====] - 0s 78ms/step
>1354, dr[0.766,0.606], df[0.463,0.039], g[1.317,0.090]
1/1 [=====] - 0s 71ms/step
>1355, dr[0.604,0.406], df[0.732,0.049], g[1.396,0.087]
1/1 [=====] - 0s 75ms/step
>1356, dr[0.507,0.497], df[0.614,0.090], g[1.261,0.063]
1/1 [=====] - 0s 73ms/step
>1357, dr[0.442,0.815], df[0.610,0.038], g[1.481,0.104]
1/1 [=====] - 0s 77ms/step
>1358, dr[0.532,0.551], df[0.663,0.045], g[1.479,0.060]
1/1 [=====] - 0s 73ms/step
>1359, dr[0.664,0.648], df[0.533,0.086], g[1.546,0.093]
1/1 [=====] - 0s 81ms/step
>1360, dr[0.741,0.748], df[0.572,0.111], g[1.342,0.129]
1/1 [=====] - 0s 84ms/step
>1361, dr[0.579,0.645], df[0.625,0.083], g[1.707,0.094]
1/1 [=====] - 0s 74ms/step
>1362, dr[0.608,0.657], df[0.535,0.088], g[1.528,0.045]
1/1 [=====] - 0s 72ms/step
>1363, dr[0.639,0.373], df[0.639,0.048], g[1.488,0.069]
1/1 [=====] - 0s 74ms/step
>1364, dr[0.734,0.955], df[0.612,0.046], g[1.217,0.086]
1/1 [=====] - 0s 73ms/step
>1365, dr[0.543,0.659], df[0.790,0.025], g[1.641,0.036]
1/1 [=====] - 0s 70ms/step
>1366, dr[0.477,0.705], df[0.675,0.213], g[1.643,0.110]
1/1 [=====] - 0s 73ms/step
>1367, dr[0.570,0.618], df[0.518,0.144], g[1.753,0.084]
1/1 [=====] - 0s 75ms/step
>1368, dr[0.640,0.260], df[0.530,0.073], g[1.375,0.118]
1/1 [=====] - 0s 76ms/step
>1369, dr[0.358,0.600], df[0.438,0.035], g[1.535,0.066]
1/1 [=====] - 0s 72ms/step
>1370, dr[0.612,0.484], df[0.693,0.187], g[1.571,0.102]
1/1 [=====] - 0s 82ms/step
>1371, dr[0.623,0.701], df[0.695,0.093], g[1.213,0.052]
1/1 [=====] - 0s 79ms/step
>1372, dr[0.654,0.391], df[0.681,0.077], g[1.313,0.058]
1/1 [=====] - 0s 75ms/step
>1373, dr[0.615,0.493], df[0.762,0.037], g[1.485,0.064]
1/1 [=====] - 0s 81ms/step
>1374, dr[0.594,0.552], df[0.629,0.095], g[1.545,0.079]
1/1 [=====] - 0s 75ms/step
>1375, dr[0.753,0.512], df[0.505,0.107], g[1.439,0.112]
1/1 [=====] - 0s 76ms/step
>1376, dr[0.598,0.423], df[0.584,0.053], g[1.195,0.079]
1/1 [=====] - 0s 81ms/step
>1377, dr[0.641,1.195], df[0.526,0.051], g[1.290,0.116]
1/1 [=====] - 0s 70ms/step
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>1378, dr[0.509,0.686], df[0.441,0.052], g[1.157,0.074]
1/1 [=====] - 0s 78ms/step
>1379, dr[0.601,0.382], df[0.786,0.027], g[1.406,0.066]
1/1 [=====] - 0s 74ms/step
>1380, dr[0.522,0.621], df[0.463,0.046], g[1.459,0.167]
1/1 [=====] - 0s 75ms/step
>1381, dr[0.729,0.586], df[0.502,0.026], g[1.248,0.085]
1/1 [=====] - 0s 70ms/step
>1382, dr[0.464,0.354], df[0.602,0.068], g[1.293,0.044]
1/1 [=====] - 0s 72ms/step
>1383, dr[0.471,0.565], df[0.593,0.062], g[1.313,0.099]
1/1 [=====] - 0s 71ms/step
>1384, dr[0.533,0.700], df[0.569,0.042], g[1.581,0.083]
1/1 [=====] - 0s 76ms/step
>1385, dr[0.645,0.701], df[0.639,0.038], g[1.580,0.093]
1/1 [=====] - 0s 76ms/step
>1386, dr[0.443,0.491], df[0.693,0.110], g[1.642,0.096]
1/1 [=====] - 0s 70ms/step
>1387, dr[0.562,0.459], df[0.574,0.053], g[1.602,0.074]
1/1 [=====] - 0s 72ms/step
>1388, dr[0.606,0.266], df[0.515,0.038], g[1.278,0.057]
1/1 [=====] - 0s 74ms/step
>1389, dr[0.403,0.771], df[0.598,0.068], g[1.410,0.058]
1/1 [=====] - 0s 75ms/step
>1390, dr[0.636,0.535], df[0.679,0.105], g[1.608,0.050]
1/1 [=====] - 0s 69ms/step
>1391, dr[0.691,0.454], df[0.532,0.088], g[1.459,0.061]
1/1 [=====] - 0s 77ms/step
>1392, dr[0.743,1.383], df[0.665,0.156], g[1.462,0.063]
1/1 [=====] - 0s 71ms/step
>1393, dr[0.649,0.933], df[0.769,0.063], g[1.276,0.070]
1/1 [=====] - 0s 77ms/step
>1394, dr[0.371,0.687], df[0.385,0.045], g[1.517,0.045]
1/1 [=====] - 0s 75ms/step
>1395, dr[0.722,1.134], df[0.640,0.041], g[1.386,0.126]
1/1 [=====] - 0s 81ms/step
>1396, dr[0.630,0.590], df[0.575,0.107], g[1.617,0.065]
1/1 [=====] - 0s 73ms/step
>1397, dr[0.788,0.638], df[0.759,0.143], g[1.260,0.078]
1/1 [=====] - 0s 89ms/step
>1398, dr[0.495,0.607], df[0.788,0.059], g[1.374,0.088]
1/1 [=====] - 0s 70ms/step
>1399, dr[0.540,0.878], df[0.491,0.050], g[1.426,0.090]
1/1 [=====] - 0s 80ms/step
>1400, dr[0.654,0.703], df[0.671,0.088], g[1.331,0.113]
1/1 [=====] - 0s 75ms/step
>1401, dr[0.646,0.481], df[0.640,0.099], g[1.247,0.070]
1/1 [=====] - 0s 74ms/step
>1402, dr[0.609,0.437], df[0.511,0.086], g[1.241,0.059]
1/1 [=====] - 0s 70ms/step
>1403, dr[0.397,0.506], df[0.909,0.133], g[1.432,0.082]
1/1 [=====] - 0s 71ms/step
>1404, dr[0.659,0.707], df[0.526,0.070], g[1.661,0.072]
1/1 [=====] - 0s 73ms/step
>1405, dr[0.629,0.521], df[0.503,0.108], g[1.455,0.096]
1/1 [=====] - 0s 70ms/step
>1406, dr[0.667,0.831], df[0.777,0.147], g[1.397,0.215]
1/1 [=====] - 0s 76ms/step
>1407, dr[0.845,1.084], df[0.692,0.075], g[1.275,0.079]
1/1 [=====] - 0s 72ms/step
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>1408, dr[0.413,0.750], df[0.555,0.093], g[1.307,0.104]
1/1 [=====] - 0s 75ms/step
>1409, dr[0.677,0.717], df[0.663,0.059], g[1.418,0.061]
1/1 [=====] - 0s 75ms/step
>1410, dr[0.440,0.737], df[0.546,0.096], g[1.319,0.048]
1/1 [=====] - 0s 74ms/step
>1411, dr[0.605,0.335], df[0.537,0.037], g[1.642,0.121]
1/1 [=====] - 0s 76ms/step
>1412, dr[0.580,0.531], df[0.424,0.167], g[1.294,0.105]
1/1 [=====] - 0s 76ms/step
>1413, dr[0.620,0.646], df[0.761,0.142], g[1.185,0.055]
1/1 [=====] - 0s 79ms/step
>1414, dr[0.485,0.858], df[0.719,0.066], g[1.273,0.105]
1/1 [=====] - 0s 79ms/step
>1415, dr[0.384,0.341], df[0.498,0.046], g[1.270,0.106]
1/1 [=====] - 0s 70ms/step
>1416, dr[0.720,0.947], df[0.695,0.092], g[1.282,0.121]
1/1 [=====] - 0s 86ms/step
>1417, dr[0.599,0.341], df[0.616,0.063], g[1.374,0.058]
1/1 [=====] - 0s 76ms/step
>1418, dr[0.580,0.747], df[0.956,0.055], g[1.431,0.081]
1/1 [=====] - 0s 90ms/step
>1419, dr[0.634,0.762], df[0.522,0.124], g[1.418,0.061]
1/1 [=====] - 0s 76ms/step
>1420, dr[0.711,0.458], df[0.566,0.034], g[1.181,0.106]
1/1 [=====] - 0s 76ms/step
>1421, dr[0.463,0.576], df[0.697,0.053], g[1.621,0.059]
1/1 [=====] - 0s 77ms/step
>1422, dr[0.617,0.476], df[0.585,0.053], g[1.568,0.058]
1/1 [=====] - 0s 74ms/step
>1423, dr[0.473,0.589], df[0.364,0.043], g[1.443,0.113]
1/1 [=====] - 0s 71ms/step
>1424, dr[0.666,0.351], df[0.656,0.049], g[1.305,0.154]
1/1 [=====] - 0s 79ms/step
>1425, dr[0.617,0.723], df[0.814,0.073], g[1.556,0.081]
1/1 [=====] - 0s 77ms/step
>1426, dr[0.555,0.294], df[0.644,0.134], g[1.566,0.085]
1/1 [=====] - 0s 84ms/step
>1427, dr[0.680,0.719], df[0.508,0.064], g[1.316,0.035]
1/1 [=====] - 0s 80ms/step
>1428, dr[0.703,0.853], df[0.728,0.032], g[1.347,0.094]
1/1 [=====] - 0s 87ms/step
>1429, dr[0.568,0.424], df[0.801,0.084], g[1.399,0.098]
1/1 [=====] - 0s 70ms/step
>1430, dr[0.397,0.829], df[0.414,0.099], g[1.670,0.028]
1/1 [=====] - 0s 84ms/step
>1431, dr[0.554,0.572], df[0.565,0.043], g[1.531,0.112]
1/1 [=====] - 0s 71ms/step
>1432, dr[0.740,0.880], df[0.815,0.030], g[1.643,0.141]
1/1 [=====] - 0s 80ms/step
>1433, dr[0.613,0.696], df[0.576,0.101], g[1.541,0.062]
1/1 [=====] - 0s 77ms/step
>1434, dr[0.453,0.728], df[0.518,0.033], g[1.367,0.068]
1/1 [=====] - 0s 87ms/step
>1435, dr[0.602,0.661], df[0.681,0.078], g[1.446,0.059]
1/1 [=====] - 0s 73ms/step
>1436, dr[0.523,0.862], df[0.726,0.159], g[1.687,0.079]
1/1 [=====] - 0s 76ms/step
>1437, dr[0.774,0.765], df[0.483,0.067], g[1.213,0.217]
1/1 [=====] - 0s 72ms/step
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>1438, dr[0.464,0.331], df[0.526,0.052], g[1.453,0.123]
1/1 [=====] - 0s 78ms/step
>1439, dr[0.641,0.602], df[0.452,0.088], g[1.290,0.138]
1/1 [=====] - 0s 74ms/step
>1440, dr[0.467,0.678], df[0.595,0.021], g[1.366,0.176]
1/1 [=====] - 0s 73ms/step
>1441, dr[0.418,0.744], df[0.634,0.025], g[1.356,0.070]
1/1 [=====] - 0s 74ms/step
>1442, dr[0.607,0.375], df[0.563,0.097], g[1.397,0.070]
1/1 [=====] - 0s 78ms/step
>1443, dr[0.601,0.611], df[0.485,0.075], g[1.317,0.057]
1/1 [=====] - 0s 71ms/step
>1444, dr[0.551,0.701], df[0.532,0.088], g[1.345,0.069]
1/1 [=====] - 0s 71ms/step
>1445, dr[0.648,1.171], df[0.613,0.030], g[1.147,0.083]
1/1 [=====] - 0s 75ms/step
>1446, dr[0.510,0.451], df[0.849,0.179], g[1.219,0.053]
1/1 [=====] - 0s 77ms/step
>1447, dr[0.564,0.370], df[0.542,0.039], g[1.045,0.041]
1/1 [=====] - 0s 77ms/step
>1448, dr[0.576,0.233], df[0.615,0.022], g[1.255,0.056]
1/1 [=====] - 0s 73ms/step
>1449, dr[0.454,0.430], df[0.472,0.099], g[1.309,0.088]
1/1 [=====] - 0s 77ms/step
>1450, dr[0.436,0.501], df[0.586,0.094], g[1.664,0.083]
1/1 [=====] - 0s 71ms/step
>1451, dr[0.478,0.597], df[0.504,0.037], g[1.698,0.079]
1/1 [=====] - 0s 80ms/step
>1452, dr[0.612,0.331], df[0.503,0.145], g[1.434,0.063]
1/1 [=====] - 0s 70ms/step
>1453, dr[0.572,0.511], df[0.491,0.085], g[1.527,0.070]
1/1 [=====] - 0s 76ms/step
>1454, dr[0.657,0.321], df[0.562,0.112], g[1.627,0.104]
1/1 [=====] - 0s 70ms/step
>1455, dr[0.654,0.689], df[0.559,0.054], g[1.054,0.111]
1/1 [=====] - 0s 84ms/step
>1456, dr[0.383,0.713], df[0.863,0.149], g[1.602,0.095]
1/1 [=====] - 0s 78ms/step
>1457, dr[0.816,0.603], df[0.613,0.020], g[1.096,0.068]
1/1 [=====] - 0s 84ms/step
>1458, dr[0.457,0.575], df[0.787,0.084], g[1.156,0.105]
1/1 [=====] - 0s 70ms/step
>1459, dr[0.527,0.686], df[0.616,0.083], g[1.523,0.084]
1/1 [=====] - 0s 75ms/step
>1460, dr[0.485,1.076], df[0.442,0.078], g[1.437,0.074]
1/1 [=====] - 0s 70ms/step
>1461, dr[0.681,0.457], df[0.443,0.087], g[1.348,0.108]
1/1 [=====] - 0s 75ms/step
>1462, dr[0.546,0.928], df[0.657,0.124], g[1.350,0.177]
1/1 [=====] - 0s 69ms/step
>1463, dr[0.654,0.521], df[0.405,0.036], g[1.331,0.075]
1/1 [=====] - 0s 76ms/step
>1464, dr[0.449,0.789], df[0.682,0.107], g[1.387,0.157]
1/1 [=====] - 0s 74ms/step
>1465, dr[0.607,0.568], df[0.505,0.034], g[1.462,0.060]
1/1 [=====] - 0s 76ms/step
>1466, dr[0.620,0.458], df[0.567,0.057], g[1.452,0.042]
1/1 [=====] - 0s 76ms/step
>1467, dr[0.431,0.258], df[0.686,0.065], g[1.738,0.062]
1/1 [=====] - 0s 74ms/step
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>1468, dr[0.592,0.543], df[0.753,0.048], g[1.700,0.062]
1/1 [=====] - 0s 78ms/step
>1469, dr[0.733,1.165], df[0.576,0.078], g[1.245,0.080]
1/1 [=====] - 0s 79ms/step
>1470, dr[0.656,0.810], df[0.499,0.093], g[1.249,0.104]
1/1 [=====] - 0s 82ms/step
>1471, dr[0.511,0.451], df[0.632,0.107], g[1.275,0.073]
1/1 [=====] - 0s 71ms/step
>1472, dr[0.521,0.490], df[0.503,0.118], g[1.398,0.092]
1/1 [=====] - 0s 78ms/step
>1473, dr[0.634,0.374], df[0.617,0.095], g[1.335,0.047]
1/1 [=====] - 0s 75ms/step
>1474, dr[0.590,0.410], df[0.583,0.155], g[1.263,0.106]
1/1 [=====] - 0s 77ms/step
>1475, dr[0.524,0.512], df[0.638,0.129], g[1.362,0.093]
1/1 [=====] - 0s 86ms/step
>1476, dr[0.509,0.552], df[0.571,0.051], g[1.491,0.059]
1/1 [=====] - 0s 89ms/step
>1477, dr[0.444,0.701], df[0.755,0.160], g[1.425,0.086]
1/1 [=====] - 0s 77ms/step
>1478, dr[0.742,0.444], df[0.511,0.084], g[1.693,0.108]
1/1 [=====] - 0s 80ms/step
>1479, dr[0.826,0.452], df[0.731,0.061], g[1.309,0.090]
1/1 [=====] - 0s 74ms/step
>1480, dr[0.614,0.549], df[0.466,0.140], g[1.233,0.115]
1/1 [=====] - 0s 80ms/step
>1481, dr[0.610,0.624], df[0.696,0.139], g[1.508,0.085]
1/1 [=====] - 0s 77ms/step
>1482, dr[0.838,0.372], df[0.580,0.029], g[1.398,0.084]
1/1 [=====] - 0s 77ms/step
>1483, dr[0.571,0.559], df[0.489,0.048], g[1.457,0.072]
1/1 [=====] - 0s 73ms/step
>1484, dr[0.592,0.445], df[0.429,0.125], g[1.350,0.106]
1/1 [=====] - 0s 83ms/step
>1485, dr[0.486,0.671], df[0.633,0.080], g[1.363,0.136]
1/1 [=====] - 0s 76ms/step
>1486, dr[0.668,0.601], df[0.531,0.079], g[1.262,0.080]
1/1 [=====] - 0s 86ms/step
>1487, dr[0.655,0.448], df[0.551,0.045], g[1.048,0.135]
1/1 [=====] - 0s 75ms/step
>1488, dr[0.516,0.584], df[0.840,0.119], g[1.259,0.085]
1/1 [=====] - 0s 84ms/step
>1489, dr[0.561,0.740], df[0.660,0.074], g[1.167,0.123]
1/1 [=====] - 0s 77ms/step
>1490, dr[0.751,0.416], df[0.683,0.091], g[1.309,0.053]
1/1 [=====] - 0s 82ms/step
>1491, dr[0.682,0.773], df[0.762,0.085], g[1.175,0.070]
1/1 [=====] - 0s 74ms/step
>1492, dr[0.569,0.375], df[0.764,0.086], g[1.271,0.056]
1/1 [=====] - 0s 79ms/step
>1493, dr[0.482,0.841], df[0.501,0.154], g[1.476,0.063]
1/1 [=====] - 0s 74ms/step
>1494, dr[0.539,0.381], df[0.651,0.051], g[1.347,0.053]
1/1 [=====] - 0s 78ms/step
>1495, dr[0.548,0.973], df[0.556,0.083], g[1.571,0.079]
1/1 [=====] - 0s 77ms/step
>1496, dr[0.617,0.495], df[0.565,0.161], g[1.256,0.050]
1/1 [=====] - 0s 82ms/step
>1497, dr[0.472,0.550], df[0.687,0.100], g[1.326,0.103]
1/1 [=====] - 0s 89ms/step
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>1498, dr[0.638,0.692], df[0.554,0.101], g[1.443,0.058]
1/1 [=====] - 0s 82ms/step
>1499, dr[0.523,0.483], df[0.394,0.080], g[1.384,0.068]
1/1 [=====] - 0s 84ms/step
>1500, dr[0.534,0.900], df[0.531,0.077], g[1.254,0.062]
1/1 [=====] - 0s 80ms/step
>1501, dr[0.446,0.561], df[0.689,0.054], g[1.236,0.085]
1/1 [=====] - 0s 87ms/step
>1502, dr[0.761,0.498], df[0.646,0.086], g[1.105,0.087]
1/1 [=====] - 0s 80ms/step
>1503, dr[0.457,0.641], df[0.458,0.098], g[1.167,0.088]
1/1 [=====] - 0s 78ms/step
>1504, dr[0.563,0.719], df[0.602,0.044], g[1.208,0.085]
1/1 [=====] - 0s 83ms/step
>1505, dr[0.401,0.987], df[0.608,0.055], g[1.274,0.074]
1/1 [=====] - 0s 83ms/step
>1506, dr[0.417,0.512], df[0.465,0.084], g[1.488,0.065]
1/1 [=====] - 0s 78ms/step
>1507, dr[0.615,0.291], df[0.640,0.102], g[1.566,0.073]
1/1 [=====] - 0s 85ms/step
>1508, dr[0.735,0.415], df[0.484,0.175], g[1.349,0.120]
1/1 [=====] - 0s 99ms/step
>1509, dr[0.483,0.523], df[0.685,0.098], g[1.306,0.060]
1/1 [=====] - 0s 92ms/step
>1510, dr[0.455,0.680], df[0.546,0.078], g[1.476,0.055]
1/1 [=====] - 0s 92ms/step
>1511, dr[0.783,1.042], df[0.617,0.072], g[1.548,0.091]
1/1 [=====] - 0s 85ms/step
>1512, dr[0.639,0.594], df[0.515,0.059], g[1.485,0.146]
1/1 [=====] - 0s 91ms/step
>1513, dr[0.524,0.304], df[0.520,0.084], g[1.349,0.055]
1/1 [=====] - 0s 86ms/step
>1514, dr[0.662,1.023], df[0.762,0.070], g[1.178,0.124]
1/1 [=====] - 0s 93ms/step
>1515, dr[0.507,0.505], df[0.621,0.089], g[1.573,0.159]
1/1 [=====] - 0s 87ms/step
>1516, dr[0.732,0.328], df[0.599,0.094], g[1.429,0.048]
1/1 [=====] - 0s 80ms/step
>1517, dr[0.546,0.675], df[0.531,0.123], g[1.374,0.042]
1/1 [=====] - 0s 85ms/step
>1518, dr[0.668,0.311], df[0.609,0.030], g[1.282,0.119]
1/1 [=====] - 0s 74ms/step
>1519, dr[0.591,0.604], df[0.631,0.050], g[1.360,0.088]
1/1 [=====] - 0s 78ms/step
>1520, dr[0.512,0.379], df[0.466,0.044], g[1.309,0.101]
1/1 [=====] - 0s 73ms/step
>1521, dr[0.712,0.581], df[0.715,0.054], g[1.453,0.057]
1/1 [=====] - 0s 80ms/step
>1522, dr[0.489,0.493], df[0.563,0.029], g[1.291,0.072]
1/1 [=====] - 0s 77ms/step
>1523, dr[0.508,0.661], df[0.612,0.110], g[1.668,0.093]
1/1 [=====] - 0s 76ms/step
>1524, dr[0.590,0.371], df[0.533,0.110], g[1.457,0.071]
1/1 [=====] - 0s 81ms/step
>1525, dr[0.679,0.718], df[0.653,0.121], g[1.346,0.112]
1/1 [=====] - 0s 79ms/step
>1526, dr[0.641,0.511], df[0.734,0.073], g[1.499,0.051]
1/1 [=====] - 0s 74ms/step
>1527, dr[0.531,0.708], df[0.475,0.093], g[1.558,0.082]
1/1 [=====] - 0s 81ms/step
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>1528, dr[0.666,0.265], df[0.464,0.135], g[1.209,0.100]
1/1 [=====] - 0s 75ms/step
>1529, dr[0.656,0.547], df[0.743,0.111], g[1.200,0.120]
1/1 [=====] - 0s 82ms/step
>1530, dr[0.516,0.508], df[0.614,0.041], g[1.293,0.047]
1/1 [=====] - 0s 77ms/step
>1531, dr[0.452,0.363], df[0.456,0.103], g[1.386,0.103]
1/1 [=====] - 0s 76ms/step
>1532, dr[0.702,0.462], df[0.966,0.094], g[1.267,0.064]
1/1 [=====] - 0s 75ms/step
>1533, dr[0.675,0.249], df[0.548,0.072], g[1.357,0.083]
1/1 [=====] - 0s 78ms/step
>1534, dr[0.628,0.694], df[0.630,0.089], g[1.500,0.106]
1/1 [=====] - 0s 75ms/step
>1535, dr[0.570,0.535], df[0.508,0.137], g[1.485,0.041]
1/1 [=====] - 0s 89ms/step
>1536, dr[0.660,0.333], df[0.524,0.207], g[1.296,0.056]
1/1 [=====] - 0s 78ms/step
>1537, dr[0.655,0.453], df[0.402,0.034], g[1.574,0.049]
1/1 [=====] - 0s 83ms/step
>1538, dr[0.491,0.361], df[0.808,0.066], g[1.261,0.125]
1/1 [=====] - 0s 84ms/step
>1539, dr[0.651,0.786], df[0.523,0.086], g[1.213,0.178]
1/1 [=====] - 0s 81ms/step
>1540, dr[0.321,0.583], df[0.588,0.048], g[1.311,0.083]
1/1 [=====] - 0s 71ms/step
>1541, dr[0.575,0.124], df[0.618,0.056], g[1.315,0.149]
1/1 [=====] - 0s 75ms/step
>1542, dr[0.682,0.227], df[0.511,0.085], g[1.295,0.069]
1/1 [=====] - 0s 71ms/step
>1543, dr[0.752,0.538], df[0.634,0.084], g[1.125,0.096]
1/1 [=====] - 0s 71ms/step
>1544, dr[0.487,0.730], df[0.697,0.028], g[1.305,0.071]
1/1 [=====] - 0s 73ms/step
>1545, dr[0.518,0.598], df[0.462,0.071], g[1.392,0.032]
1/1 [=====] - 0s 75ms/step
>1546, dr[0.557,0.457], df[0.640,0.102], g[1.325,0.063]
1/1 [=====] - 0s 79ms/step
>1547, dr[0.368,0.804], df[0.469,0.061], g[1.433,0.049]
1/1 [=====] - 0s 71ms/step
>1548, dr[0.713,0.311], df[0.776,0.126], g[1.354,0.059]
1/1 [=====] - 0s 70ms/step
>1549, dr[0.630,0.633], df[0.687,0.059], g[1.372,0.062]
1/1 [=====] - 0s 70ms/step
>1550, dr[0.681,0.272], df[0.579,0.159], g[1.304,0.114]
1/1 [=====] - 0s 77ms/step
>1551, dr[0.571,0.522], df[0.472,0.051], g[1.600,0.038]
1/1 [=====] - 0s 73ms/step
>1552, dr[0.713,0.994], df[0.776,0.039], g[1.404,0.147]
1/1 [=====] - 0s 76ms/step
>1553, dr[0.599,0.739], df[0.678,0.067], g[1.499,0.066]
1/1 [=====] - 0s 78ms/step
>1554, dr[0.552,0.774], df[0.467,0.058], g[1.350,0.077]
1/1 [=====] - 0s 80ms/step
>1555, dr[0.468,0.481], df[0.419,0.031], g[1.361,0.056]
1/1 [=====] - 0s 70ms/step
>1556, dr[0.645,0.532], df[0.635,0.058], g[1.442,0.063]
1/1 [=====] - 0s 75ms/step
>1557, dr[0.579,0.659], df[0.660,0.035], g[1.497,0.034]
1/1 [=====] - 0s 75ms/step
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>1558, dr[0.475,0.643], df[0.517,0.034], g[1.503,0.073]
1/1 [=====] - 0s 76ms/step
>1559, dr[0.558,0.237], df[0.553,0.176], g[1.205,0.048]
1/1 [=====] - 0s 70ms/step
>1560, dr[0.522,0.805], df[0.591,0.114], g[1.478,0.077]
1/1 [=====] - 0s 81ms/step
>1561, dr[0.544,0.469], df[0.812,0.064], g[1.271,0.076]
1/1 [=====] - 0s 72ms/step
>1562, dr[0.599,0.927], df[0.683,0.080], g[1.756,0.046]
1/1 [=====] - 0s 75ms/step
>1563, dr[0.636,0.486], df[0.542,0.115], g[1.617,0.183]
1/1 [=====] - 0s 72ms/step
>1564, dr[0.768,0.610], df[0.578,0.056], g[1.552,0.060]
1/1 [=====] - 0s 80ms/step
>1565, dr[0.564,0.646], df[0.482,0.102], g[1.382,0.068]
1/1 [=====] - 0s 77ms/step
>1566, dr[0.425,0.914], df[0.621,0.060], g[1.336,0.045]
1/1 [=====] - 0s 85ms/step
>1567, dr[0.443,0.566], df[0.851,0.065], g[1.421,0.110]
1/1 [=====] - 0s 72ms/step
>1568, dr[0.607,0.204], df[0.630,0.059], g[1.555,0.056]
1/1 [=====] - 0s 74ms/step
>1569, dr[0.767,0.941], df[0.584,0.058], g[1.630,0.063]
1/1 [=====] - 0s 74ms/step
>1570, dr[0.660,0.333], df[0.684,0.029], g[1.564,0.098]
1/1 [=====] - 0s 80ms/step
>1571, dr[0.743,0.791], df[0.642,0.053], g[1.480,0.059]
1/1 [=====] - 0s 71ms/step
>1572, dr[0.609,0.626], df[0.596,0.085], g[1.231,0.038]
1/1 [=====] - 0s 74ms/step
>1573, dr[0.532,0.436], df[0.425,0.080], g[1.395,0.049]
1/1 [=====] - 0s 73ms/step
>1574, dr[0.596,0.815], df[0.558,0.055], g[1.438,0.113]
1/1 [=====] - 0s 76ms/step
>1575, dr[0.391,0.764], df[0.609,0.081], g[1.496,0.081]
1/1 [=====] - 0s 79ms/step
>1576, dr[0.643,1.031], df[0.534,0.079], g[1.319,0.087]
1/1 [=====] - 0s 72ms/step
>1577, dr[0.575,0.364], df[0.605,0.061], g[1.462,0.030]
1/1 [=====] - 0s 72ms/step
>1578, dr[0.463,0.866], df[0.450,0.054], g[1.546,0.131]
1/1 [=====] - 0s 71ms/step
>1579, dr[0.370,0.583], df[0.505,0.056], g[1.443,0.145]
1/1 [=====] - 0s 77ms/step
>1580, dr[0.630,0.369], df[0.912,0.062], g[1.855,0.066]
1/1 [=====] - 0s 78ms/step
>1581, dr[0.784,0.472], df[0.604,0.054], g[1.409,0.098]
1/1 [=====] - 0s 79ms/step
>1582, dr[0.576,0.578], df[0.693,0.089], g[1.195,0.032]
1/1 [=====] - 0s 77ms/step
>1583, dr[0.674,0.440], df[0.905,0.134], g[1.185,0.056]
1/1 [=====] - 0s 79ms/step
>1584, dr[0.611,0.593], df[0.617,0.045], g[1.497,0.051]
1/1 [=====] - 0s 104ms/step
>1585, dr[0.709,0.578], df[0.632,0.075], g[1.528,0.063]
1/1 [=====] - 0s 81ms/step
>1586, dr[0.576,0.477], df[0.494,0.060], g[1.554,0.090]
1/1 [=====] - 0s 91ms/step
>1587, dr[0.642,0.449], df[0.728,0.027], g[1.644,0.117]
1/1 [=====] - 0s 85ms/step
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>1588, dr[0.417,0.815], df[0.530,0.032], g[1.559,0.090]
1/1 [=====] - 0s 85ms/step
>1589, dr[0.627,0.583], df[0.470,0.082], g[1.443,0.078]
1/1 [=====] - 0s 78ms/step
>1590, dr[0.642,0.540], df[0.497,0.023], g[1.223,0.058]
1/1 [=====] - 0s 84ms/step
>1591, dr[0.444,0.466], df[0.912,0.046], g[1.180,0.121]
1/1 [=====] - 0s 72ms/step
>1592, dr[0.614,0.771], df[0.585,0.078], g[1.389,0.053]
1/1 [=====] - 0s 71ms/step
>1593, dr[0.674,0.600], df[0.506,0.073], g[1.542,0.094]
1/1 [=====] - 0s 73ms/step
>1594, dr[0.597,0.809], df[0.564,0.046], g[1.244,0.105]
1/1 [=====] - 0s 73ms/step
>1595, dr[0.453,0.766], df[0.552,0.064], g[1.337,0.087]
1/1 [=====] - 0s 74ms/step
>1596, dr[0.508,0.925], df[0.746,0.057], g[1.453,0.089]
1/1 [=====] - 0s 73ms/step
>1597, dr[0.560,0.194], df[0.577,0.098], g[1.450,0.042]
1/1 [=====] - 0s 75ms/step
>1598, dr[0.574,1.069], df[0.390,0.063], g[1.578,0.070]
1/1 [=====] - 0s 73ms/step
>1599, dr[0.570,0.660], df[0.612,0.049], g[1.718,0.106]
1/1 [=====] - 0s 75ms/step
>1600, dr[0.387,0.546], df[0.481,0.160], g[1.443,0.066]
1/1 [=====] - 0s 72ms/step
>1601, dr[0.500,1.015], df[0.456,0.147], g[1.461,0.065]
1/1 [=====] - 0s 82ms/step
>1602, dr[0.463,0.353], df[0.420,0.087], g[1.353,0.053]
1/1 [=====] - 0s 81ms/step
>1603, dr[0.515,0.285], df[0.568,0.057], g[1.276,0.064]
1/1 [=====] - 0s 85ms/step
>1604, dr[0.659,1.136], df[0.842,0.045], g[1.402,0.042]
1/1 [=====] - 0s 76ms/step
>1605, dr[0.469,0.439], df[0.656,0.026], g[1.488,0.095]
1/1 [=====] - 0s 76ms/step
>1606, dr[0.811,0.814], df[0.523,0.105], g[1.311,0.120]
1/1 [=====] - 0s 72ms/step
>1607, dr[0.596,0.541], df[0.579,0.209], g[1.272,0.043]
1/1 [=====] - 0s 77ms/step
>1608, dr[0.574,0.355], df[0.605,0.021], g[1.380,0.067]
1/1 [=====] - 0s 76ms/step
>1609, dr[0.545,0.509], df[0.423,0.104], g[1.194,0.060]
1/1 [=====] - 0s 78ms/step
>1610, dr[0.620,0.617], df[0.458,0.050], g[1.309,0.079]
1/1 [=====] - 0s 77ms/step
>1611, dr[0.383,0.941], df[0.540,0.020], g[1.323,0.058]
1/1 [=====] - 0s 84ms/step
>1612, dr[0.557,0.541], df[0.622,0.102], g[1.404,0.119]
1/1 [=====] - 0s 80ms/step
>1613, dr[0.745,0.468], df[0.413,0.034], g[1.284,0.070]
1/1 [=====] - 0s 88ms/step
>1614, dr[0.207,0.803], df[0.558,0.131], g[1.286,0.085]
1/1 [=====] - 0s 83ms/step
>1615, dr[0.547,0.418], df[0.635,0.073], g[1.392,0.104]
1/1 [=====] - 0s 77ms/step
>1616, dr[0.586,0.804], df[0.543,0.045], g[1.248,0.071]
1/1 [=====] - 0s 71ms/step
>1617, dr[0.692,1.038], df[0.643,0.042], g[1.097,0.040]
1/1 [=====] - 0s 75ms/step
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>1618, dr[0.493,0.503], df[0.732,0.050], g[1.080,0.059]
1/1 [=====] - 0s 79ms/step
>1619, dr[0.405,0.428], df[0.444,0.114], g[1.291,0.044]
1/1 [=====] - 0s 87ms/step
>1620, dr[0.522,0.599], df[0.534,0.049], g[1.120,0.066]
1/1 [=====] - 0s 78ms/step
>1621, dr[0.506,0.459], df[0.431,0.055], g[1.260,0.079]
1/1 [=====] - 0s 78ms/step
>1622, dr[0.515,0.353], df[0.557,0.056], g[1.329,0.091]
1/1 [=====] - 0s 72ms/step
>1623, dr[0.496,0.689], df[0.572,0.019], g[1.355,0.065]
1/1 [=====] - 0s 78ms/step
>1624, dr[0.564,0.418], df[0.593,0.046], g[1.245,0.085]
1/1 [=====] - 0s 77ms/step
>1625, dr[0.555,0.544], df[0.562,0.041], g[1.304,0.071]
1/1 [=====] - 0s 77ms/step
>1626, dr[0.599,0.375], df[0.408,0.126], g[1.268,0.075]
1/1 [=====] - 0s 72ms/step
>1627, dr[0.393,0.288], df[0.462,0.041], g[1.247,0.054]
1/1 [=====] - 0s 89ms/step
>1628, dr[0.439,0.730], df[0.537,0.043], g[1.289,0.055]
1/1 [=====] - 0s 79ms/step
>1629, dr[0.580,0.504], df[0.525,0.035], g[1.365,0.162]
1/1 [=====] - 0s 84ms/step
>1630, dr[0.459,0.735], df[0.560,0.053], g[1.172,0.129]
1/1 [=====] - 0s 76ms/step
>1631, dr[0.420,0.782], df[0.508,0.087], g[1.383,0.102]
1/1 [=====] - 0s 79ms/step
>1632, dr[0.607,0.612], df[0.537,0.022], g[1.225,0.136]
1/1 [=====] - 0s 72ms/step
>1633, dr[0.530,0.341], df[0.741,0.079], g[1.314,0.034]
1/1 [=====] - 0s 80ms/step
>1634, dr[0.440,0.501], df[0.513,0.070], g[1.476,0.085]
1/1 [=====] - 0s 73ms/step
>1635, dr[0.685,0.911], df[0.822,0.051], g[1.473,0.069]
1/1 [=====] - 0s 78ms/step
>1636, dr[0.531,0.481], df[0.527,0.032], g[1.277,0.115]
1/1 [=====] - 0s 72ms/step
>1637, dr[0.664,0.748], df[0.458,0.055], g[1.447,0.058]
1/1 [=====] - 0s 75ms/step
>1638, dr[0.478,0.944], df[0.725,0.147], g[1.370,0.084]
1/1 [=====] - 0s 78ms/step
>1639, dr[0.415,0.828], df[0.442,0.158], g[1.376,0.078]
1/1 [=====] - 0s 71ms/step
>1640, dr[0.635,0.303], df[0.780,0.108], g[1.606,0.047]
1/1 [=====] - 0s 79ms/step
>1641, dr[0.668,0.433], df[0.582,0.143], g[1.484,0.080]
1/1 [=====] - 0s 83ms/step
>1642, dr[0.675,0.767], df[0.461,0.040], g[1.333,0.078]
1/1 [=====] - 0s 75ms/step
>1643, dr[0.704,0.618], df[0.651,0.157], g[1.494,0.063]
1/1 [=====] - 0s 80ms/step
>1644, dr[0.418,0.745], df[0.522,0.049], g[1.450,0.063]
1/1 [=====] - 0s 73ms/step
>1645, dr[0.623,0.612], df[0.474,0.051], g[1.397,0.082]
1/1 [=====] - 0s 71ms/step
>1646, dr[0.619,0.240], df[0.701,0.092], g[1.455,0.037]
1/1 [=====] - 0s 77ms/step
>1647, dr[0.531,0.365], df[0.429,0.192], g[1.231,0.043]
1/1 [=====] - 0s 73ms/step
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>1648, dr[0.522,0.746], df[0.460,0.060], g[1.373,0.089]
1/1 [=====] - 0s 74ms/step
>1649, dr[0.595,0.339], df[0.720,0.052], g[1.282,0.083]
1/1 [=====] - 0s 77ms/step
>1650, dr[0.539,0.450], df[0.808,0.133], g[1.222,0.066]
1/1 [=====] - 0s 78ms/step
>1651, dr[0.622,0.574], df[0.654,0.079], g[1.762,0.141]
1/1 [=====] - 0s 73ms/step
>1652, dr[0.490,0.538], df[0.402,0.081], g[1.459,0.089]
1/1 [=====] - 0s 79ms/step
>1653, dr[0.465,0.370], df[0.427,0.047], g[1.284,0.219]
1/1 [=====] - 0s 73ms/step
>1654, dr[0.601,0.506], df[0.754,0.173], g[1.442,0.053]
1/1 [=====] - 0s 82ms/step
>1655, dr[0.651,0.741], df[0.471,0.024], g[1.449,0.043]
1/1 [=====] - 0s 73ms/step
>1656, dr[0.534,0.720], df[0.541,0.075], g[1.517,0.051]
1/1 [=====] - 0s 82ms/step
>1657, dr[0.557,1.007], df[0.537,0.108], g[1.461,0.031]
1/1 [=====] - 0s 76ms/step
>1658, dr[0.560,0.710], df[0.727,0.031], g[1.344,0.072]
1/1 [=====] - 0s 88ms/step
>1659, dr[0.595,0.266], df[0.533,0.030], g[1.509,0.059]
1/1 [=====] - 0s 80ms/step
>1660, dr[0.717,1.111], df[0.410,0.056], g[1.500,0.042]
1/1 [=====] - 0s 88ms/step
>1661, dr[0.507,0.386], df[0.740,0.025], g[1.357,0.089]
1/1 [=====] - 0s 82ms/step
>1662, dr[0.580,0.279], df[0.540,0.031], g[1.359,0.049]
1/1 [=====] - 0s 88ms/step
>1663, dr[0.579,0.926], df[0.522,0.070], g[1.288,0.080]
1/1 [=====] - 0s 78ms/step
>1664, dr[0.598,0.531], df[0.629,0.033], g[1.191,0.107]
1/1 [=====] - 0s 86ms/step
>1665, dr[0.692,0.823], df[0.693,0.057], g[0.918,0.045]
1/1 [=====] - 0s 88ms/step
>1666, dr[0.450,0.603], df[0.797,0.076], g[1.275,0.133]
1/1 [=====] - 0s 84ms/step
>1667, dr[0.510,1.178], df[0.691,0.133], g[1.219,0.090]
1/1 [=====] - 0s 82ms/step
>1668, dr[0.573,0.725], df[0.690,0.047], g[1.138,0.068]
1/1 [=====] - 0s 88ms/step
>1669, dr[0.414,0.854], df[0.630,0.131], g[1.376,0.098]
1/1 [=====] - 0s 80ms/step
>1670, dr[0.540,0.517], df[0.543,0.031], g[1.475,0.037]
1/1 [=====] - 0s 101ms/step
>1671, dr[0.830,0.506], df[0.640,0.048], g[1.498,0.056]
1/1 [=====] - 0s 92ms/step
>1672, dr[0.519,0.569], df[0.681,0.028], g[1.461,0.064]
1/1 [=====] - 0s 87ms/step
>1673, dr[0.642,0.544], df[0.463,0.121], g[1.462,0.058]
1/1 [=====] - 0s 79ms/step
>1674, dr[0.644,1.134], df[0.721,0.094], g[1.460,0.094]
1/1 [=====] - 0s 88ms/step
>1675, dr[0.688,0.612], df[0.511,0.071], g[1.424,0.083]
1/1 [=====] - 0s 73ms/step
>1676, dr[0.634,0.435], df[0.522,0.037], g[1.861,0.045]
1/1 [=====] - 0s 77ms/step
>1677, dr[0.561,0.350], df[0.574,0.058], g[1.889,0.109]
1/1 [=====] - 0s 71ms/step
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>1678, dr[0.991,0.816], df[0.485,0.062], g[1.381,0.078]
1/1 [=====] - 0s 76ms/step
>1679, dr[0.531,0.609], df[0.887,0.153], g[0.992,0.065]
1/1 [=====] - 0s 73ms/step
>1680, dr[0.491,0.345], df[0.681,0.055], g[1.205,0.081]
1/1 [=====] - 0s 74ms/step
>1681, dr[0.901,0.747], df[0.714,0.027], g[1.127,0.040]
1/1 [=====] - 0s 79ms/step
>1682, dr[0.403,0.656], df[0.629,0.058], g[0.927,0.048]
1/1 [=====] - 0s 77ms/step
>1683, dr[0.370,0.648], df[0.667,0.045], g[1.308,0.075]
1/1 [=====] - 0s 73ms/step
>1684, dr[0.633,0.726], df[0.701,0.036], g[1.492,0.084]
1/1 [=====] - 0s 77ms/step
>1685, dr[0.569,0.745], df[0.533,0.040], g[1.378,0.025]
1/1 [=====] - 0s 73ms/step
>1686, dr[0.539,0.374], df[0.474,0.133], g[1.333,0.030]
1/1 [=====] - 0s 79ms/step
>1687, dr[0.448,0.456], df[0.638,0.100], g[1.585,0.052]
1/1 [=====] - 0s 75ms/step
>1688, dr[0.579,0.547], df[0.560,0.081], g[1.502,0.107]
1/1 [=====] - 0s 85ms/step
>1689, dr[0.604,0.736], df[0.423,0.062], g[1.130,0.111]
1/1 [=====] - 0s 78ms/step
>1690, dr[0.605,0.492], df[0.640,0.116], g[1.492,0.124]
1/1 [=====] - 0s 92ms/step
>1691, dr[0.512,0.548], df[0.533,0.066], g[1.546,0.051]
1/1 [=====] - 0s 75ms/step
>1692, dr[0.638,0.571], df[0.557,0.078], g[1.473,0.080]
1/1 [=====] - 0s 81ms/step
>1693, dr[0.611,0.745], df[0.524,0.076], g[1.392,0.060]
1/1 [=====] - 0s 72ms/step
>1694, dr[0.475,0.576], df[0.616,0.047], g[1.322,0.053]
1/1 [=====] - 0s 79ms/step
>1695, dr[0.540,0.469], df[0.547,0.140], g[1.251,0.040]
1/1 [=====] - 0s 74ms/step
>1696, dr[0.675,0.335], df[0.577,0.041], g[1.221,0.030]
1/1 [=====] - 0s 80ms/step
>1697, dr[0.598,0.497], df[0.479,0.068], g[1.303,0.075]
1/1 [=====] - 0s 75ms/step
>1698, dr[0.473,0.562], df[0.504,0.064], g[1.509,0.078]
1/1 [=====] - 0s 78ms/step
>1699, dr[0.594,0.788], df[0.668,0.046], g[1.401,0.053]
1/1 [=====] - 0s 75ms/step
>1700, dr[0.534,0.567], df[0.468,0.082], g[1.167,0.046]
1/1 [=====] - 0s 78ms/step
>1701, dr[0.638,0.339], df[0.423,0.170], g[1.094,0.068]
1/1 [=====] - 0s 78ms/step
>1702, dr[0.460,0.944], df[0.507,0.069], g[1.194,0.133]
1/1 [=====] - 0s 80ms/step
>1703, dr[0.553,0.585], df[0.722,0.053], g[1.109,0.124]
1/1 [=====] - 0s 89ms/step
>1704, dr[0.486,0.659], df[0.431,0.019], g[1.169,0.074]
1/1 [=====] - 0s 78ms/step
>1705, dr[0.515,0.482], df[0.551,0.096], g[1.266,0.044]
1/1 [=====] - 0s 76ms/step
>1706, dr[0.391,0.650], df[0.436,0.070], g[1.407,0.063]
1/1 [=====] - 0s 71ms/step
>1707, dr[0.534,0.603], df[0.507,0.117], g[1.190,0.117]
1/1 [=====] - 0s 74ms/step
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>1708, dr[0.408,0.378], df[0.600,0.076], g[1.516,0.085]
1/1 [=====] - 0s 72ms/step
>1709, dr[0.351,0.377], df[0.601,0.062], g[1.674,0.109]
1/1 [=====] - 0s 79ms/step
>1710, dr[0.630,0.952], df[0.492,0.036], g[1.294,0.146]
1/1 [=====] - 0s 81ms/step
>1711, dr[0.714,1.093], df[0.599,0.049], g[1.283,0.107]
1/1 [=====] - 0s 75ms/step
>1712, dr[0.586,0.663], df[0.631,0.047], g[1.262,0.097]
1/1 [=====] - 0s 75ms/step
>1713, dr[0.618,0.655], df[0.613,0.045], g[1.392,0.029]
1/1 [=====] - 0s 76ms/step
>1714, dr[0.413,0.525], df[0.593,0.058], g[1.355,0.071]
1/1 [=====] - 0s 73ms/step
>1715, dr[0.499,0.598], df[0.581,0.054], g[1.494,0.081]
1/1 [=====] - 0s 77ms/step
>1716, dr[0.542,0.516], df[0.576,0.065], g[1.370,0.049]
1/1 [=====] - 0s 81ms/step
>1717, dr[0.463,0.351], df[0.574,0.187], g[1.343,0.026]
1/1 [=====] - 0s 81ms/step
>1718, dr[0.652,0.334], df[0.581,0.065], g[1.136,0.058]
1/1 [=====] - 0s 79ms/step
>1719, dr[0.722,0.813], df[0.601,0.061], g[1.245,0.058]
1/1 [=====] - 0s 81ms/step
>1720, dr[0.558,0.652], df[0.769,0.073], g[1.591,0.053]
1/1 [=====] - 0s 82ms/step
>1721, dr[0.566,0.633], df[0.583,0.100], g[1.573,0.076]
1/1 [=====] - 0s 79ms/step
>1722, dr[0.711,0.534], df[0.408,0.113], g[1.352,0.078]
1/1 [=====] - 0s 82ms/step
>1723, dr[0.550,0.557], df[0.533,0.238], g[1.300,0.046]
1/1 [=====] - 0s 78ms/step
>1724, dr[0.532,0.581], df[0.444,0.081], g[1.458,0.069]
1/1 [=====] - 0s 82ms/step
>1725, dr[0.444,0.395], df[0.651,0.153], g[1.480,0.030]
1/1 [=====] - 0s 82ms/step
>1726, dr[0.585,0.360], df[0.469,0.037], g[1.359,0.044]
1/1 [=====] - 0s 82ms/step
>1727, dr[0.751,0.662], df[0.604,0.070], g[1.324,0.070]
1/1 [=====] - 0s 87ms/step
>1728, dr[0.503,0.835], df[0.718,0.094], g[1.551,0.053]
1/1 [=====] - 0s 86ms/step
>1729, dr[0.585,0.480], df[0.379,0.050], g[1.412,0.047]
1/1 [=====] - 0s 83ms/step
>1730, dr[0.535,0.447], df[0.383,0.056], g[1.275,0.078]
1/1 [=====] - 0s 144ms/step
>1731, dr[0.564,0.805], df[0.716,0.036], g[1.288,0.070]
1/1 [=====] - 0s 157ms/step
>1732, dr[0.543,0.536], df[0.613,0.116], g[1.490,0.046]
1/1 [=====] - 0s 102ms/step
>1733, dr[0.542,0.445], df[0.534,0.082], g[1.363,0.092]
1/1 [=====] - 0s 103ms/step
>1734, dr[0.476,0.346], df[0.582,0.034], g[1.627,0.052]
1/1 [=====] - 0s 129ms/step
>1735, dr[0.605,0.490], df[0.565,0.055], g[1.081,0.125]
1/1 [=====] - 0s 98ms/step
>1736, dr[0.559,0.613], df[0.527,0.050], g[1.310,0.075]
1/1 [=====] - 0s 290ms/step
>1737, dr[0.577,0.572], df[0.586,0.162], g[1.409,0.086]
1/1 [=====] - 0s 217ms/step
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>1738, dr[0.636,0.465], df[0.631,0.119], g[1.526,0.139]
1/1 [=====] - 0s 161ms/step
>1739, dr[0.755,0.618], df[0.575,0.103], g[1.586,0.081]
1/1 [=====] - 0s 103ms/step
>1740, dr[0.604,0.504], df[0.512,0.113], g[1.287,0.131]
1/1 [=====] - 0s 159ms/step
>1741, dr[0.327,0.456], df[0.454,0.077], g[1.174,0.039]
1/1 [=====] - 0s 433ms/step
>1742, dr[0.554,1.304], df[0.538,0.072], g[1.396,0.072]
1/1 [=====] - 0s 225ms/step
>1743, dr[0.516,0.742], df[0.451,0.061], g[1.389,0.179]
1/1 [=====] - 0s 157ms/step
>1744, dr[0.498,0.439], df[0.468,0.065], g[1.277,0.083]
1/1 [=====] - 0s 124ms/step
>1745, dr[0.408,0.511], df[0.708,0.063], g[1.289,0.067]
1/1 [=====] - 0s 439ms/step
>1746, dr[0.692,0.588], df[0.458,0.047], g[1.221,0.081]
1/1 [=====] - 0s 98ms/step
>1747, dr[0.481,0.260], df[0.567,0.082], g[1.135,0.166]
1/1 [=====] - 0s 157ms/step
>1748, dr[0.601,0.857], df[0.586,0.048], g[1.429,0.054]
1/1 [=====] - 0s 196ms/step
>1749, dr[0.633,0.646], df[0.861,0.095], g[1.739,0.104]
1/1 [=====] - 0s 165ms/step
>1750, dr[0.794,0.667], df[0.419,0.035], g[1.667,0.125]
1/1 [=====] - 0s 122ms/step
>1751, dr[0.524,0.805], df[0.542,0.085], g[1.450,0.077]
1/1 [=====] - 0s 120ms/step
>1752, dr[0.528,0.742], df[0.493,0.129], g[1.448,0.120]
1/1 [=====] - 0s 105ms/step
>1753, dr[0.651,0.759], df[0.654,0.060], g[1.366,0.104]
1/1 [=====] - 0s 118ms/step
>1754, dr[0.537,0.442], df[0.665,0.033], g[1.276,0.057]
1/1 [=====] - 0s 115ms/step
>1755, dr[0.528,0.614], df[0.601,0.025], g[1.211,0.041]
1/1 [=====] - 0s 177ms/step
>1756, dr[0.469,0.780], df[0.607,0.083], g[1.330,0.063]
1/1 [=====] - 0s 113ms/step
>1757, dr[0.527,0.650], df[0.557,0.117], g[1.324,0.047]
1/1 [=====] - 0s 139ms/step
>1758, dr[0.529,0.610], df[0.465,0.038], g[1.359,0.190]
1/1 [=====] - 0s 95ms/step
>1759, dr[0.457,1.038], df[0.419,0.047], g[1.121,0.080]
1/1 [=====] - 0s 106ms/step
>1760, dr[0.571,0.572], df[0.699,0.038], g[1.293,0.030]
1/1 [=====] - 0s 114ms/step
>1761, dr[0.404,0.427], df[0.527,0.036], g[1.365,0.060]
1/1 [=====] - 0s 84ms/step
>1762, dr[0.831,0.348], df[0.557,0.068], g[1.355,0.064]
1/1 [=====] - 0s 86ms/step
>1763, dr[0.489,0.837], df[0.713,0.108], g[1.514,0.068]
1/1 [=====] - 0s 82ms/step
>1764, dr[0.724,0.757], df[0.585,0.051], g[1.395,0.123]
1/1 [=====] - 0s 85ms/step
>1765, dr[0.566,0.454], df[0.543,0.069], g[1.357,0.052]
1/1 [=====] - 0s 82ms/step
>1766, dr[0.551,0.715], df[0.617,0.034], g[1.206,0.129]
1/1 [=====] - 0s 118ms/step
>1767, dr[0.606,0.741], df[0.627,0.116], g[1.118,0.056]
1/1 [=====] - 0s 76ms/step
```

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>1768, dr[0.663,0.603], df[0.698,0.035], g[1.714,0.057]
1/1 [=====] - 0s 84ms/step
>1769, dr[0.558,0.516], df[0.400,0.031], g[1.521,0.053]
1/1 [=====] - 0s 97ms/step
>1770, dr[0.589,0.358], df[0.675,0.038], g[1.377,0.033]
1/1 [=====] - 0s 92ms/step
>1771, dr[0.656,0.545], df[0.440,0.056], g[1.276,0.044]
1/1 [=====] - 0s 81ms/step
>1772, dr[0.651,0.591], df[0.560,0.045], g[1.244,0.055]
1/1 [=====] - 0s 105ms/step
>1773, dr[0.427,0.785], df[0.578,0.061], g[1.373,0.067]
1/1 [=====] - 0s 84ms/step
>1774, dr[0.465,0.510], df[0.820,0.092], g[1.447,0.081]
1/1 [=====] - 0s 95ms/step
>1775, dr[0.552,0.577], df[0.521,0.057], g[1.345,0.031]
1/1 [=====] - 0s 85ms/step
>1776, dr[0.596,0.201], df[0.516,0.060], g[1.272,0.080]
1/1 [=====] - 0s 79ms/step
>1777, dr[0.472,0.575], df[0.523,0.034], g[1.190,0.042]
1/1 [=====] - 0s 84ms/step
>1778, dr[0.520,0.661], df[0.599,0.070], g[1.377,0.038]
1/1 [=====] - 0s 89ms/step
>1779, dr[0.648,0.386], df[0.579,0.053], g[1.343,0.070]
1/1 [=====] - 0s 84ms/step
>1780, dr[0.561,0.645], df[0.543,0.035], g[1.348,0.104]
1/1 [=====] - 0s 80ms/step
>1781, dr[0.429,0.980], df[0.600,0.074], g[1.392,0.116]
1/1 [=====] - 0s 85ms/step
>1782, dr[0.503,0.943], df[0.658,0.037], g[1.502,0.071]
1/1 [=====] - 0s 83ms/step
>1783, dr[0.759,0.354], df[0.523,0.037], g[1.291,0.169]
1/1 [=====] - 0s 80ms/step
>1784, dr[0.535,0.747], df[0.549,0.130], g[1.533,0.075]
1/1 [=====] - 0s 98ms/step
>1785, dr[0.754,0.612], df[0.582,0.067], g[1.356,0.116]
1/1 [=====] - 0s 89ms/step
>1786, dr[0.567,0.751], df[0.643,0.100], g[1.531,0.047]
1/1 [=====] - 0s 88ms/step
>1787, dr[0.563,0.400], df[0.543,0.044], g[1.268,0.110]
1/1 [=====] - 0s 93ms/step
>1788, dr[0.437,0.553], df[0.599,0.063], g[1.450,0.053]
1/1 [=====] - 0s 81ms/step
>1789, dr[0.586,0.688], df[0.514,0.072], g[1.414,0.109]
1/1 [=====] - 0s 82ms/step
>1790, dr[0.761,0.680], df[0.533,0.140], g[1.162,0.121]
1/1 [=====] - 0s 100ms/step
>1791, dr[0.379,1.146], df[0.780,0.079], g[1.393,0.067]
1/1 [=====] - 0s 82ms/step
>1792, dr[0.504,0.404], df[0.601,0.041], g[1.288,0.063]
1/1 [=====] - 0s 90ms/step
>1793, dr[0.551,0.503], df[0.547,0.116], g[1.345,0.086]
1/1 [=====] - 0s 96ms/step
>1794, dr[0.570,0.462], df[0.578,0.078], g[1.525,0.049]
1/1 [=====] - 0s 88ms/step
>1795, dr[0.846,0.562], df[0.494,0.163], g[1.266,0.061]
1/1 [=====] - 0s 115ms/step
>1796, dr[0.503,0.613], df[0.416,0.097], g[0.966,0.037]
1/1 [=====] - 0s 89ms/step
>1797, dr[0.409,0.518], df[0.639,0.064], g[1.267,0.077]
1/1 [=====] - 0s 89ms/step
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>1798, dr[0.375,0.728], df[0.583,0.041], g[1.131,0.074]
1/1 [=====] - 0s 102ms/step
>1799, dr[0.487,0.803], df[0.546,0.078], g[1.427,0.057]
1/1 [=====] - 0s 90ms/step
>1800, dr[0.405,0.736], df[0.551,0.048], g[1.286,0.093]
1/1 [=====] - 0s 96ms/step
>1801, dr[0.601,0.613], df[0.348,0.117], g[1.190,0.085]
1/1 [=====] - 0s 89ms/step
>1802, dr[0.537,0.696], df[0.654,0.050], g[1.194,0.106]
1/1 [=====] - 0s 90ms/step
>1803, dr[0.377,0.305], df[0.480,0.062], g[1.442,0.126]
1/1 [=====] - 0s 82ms/step
>1804, dr[0.670,0.931], df[0.559,0.066], g[1.452,0.084]
1/1 [=====] - 0s 92ms/step
>1805, dr[0.390,0.832], df[0.688,0.034], g[1.343,0.054]
1/1 [=====] - 0s 96ms/step
>1806, dr[0.509,0.588], df[0.571,0.049], g[1.386,0.066]
1/1 [=====] - 0s 101ms/step
>1807, dr[0.674,0.582], df[0.519,0.082], g[1.478,0.072]
1/1 [=====] - 0s 92ms/step
>1808, dr[0.635,0.517], df[0.598,0.058], g[1.061,0.044]
1/1 [=====] - 0s 96ms/step
>1809, dr[0.361,0.745], df[0.571,0.034], g[1.448,0.082]
1/1 [=====] - 0s 91ms/step
>1810, dr[0.590,0.816], df[0.589,0.092], g[1.425,0.037]
1/1 [=====] - 0s 96ms/step
>1811, dr[0.597,0.731], df[0.427,0.083], g[1.292,0.042]
1/1 [=====] - 0s 106ms/step
>1812, dr[0.389,0.676], df[0.570,0.026], g[1.237,0.091]
1/1 [=====] - 0s 93ms/step
>1813, dr[0.534,0.367], df[0.546,0.027], g[1.544,0.060]
1/1 [=====] - 0s 85ms/step
>1814, dr[0.531,0.795], df[0.606,0.068], g[1.137,0.056]
1/1 [=====] - 0s 86ms/step
>1815, dr[0.552,0.442], df[0.548,0.031], g[1.505,0.042]
1/1 [=====] - 0s 91ms/step
>1816, dr[0.492,0.905], df[0.531,0.022], g[1.388,0.050]
1/1 [=====] - 0s 92ms/step
>1817, dr[0.750,0.556], df[0.733,0.093], g[1.309,0.069]
1/1 [=====] - 0s 92ms/step
>1818, dr[0.534,0.741], df[0.582,0.040], g[1.358,0.083]
1/1 [=====] - 0s 93ms/step
>1819, dr[0.553,0.664], df[0.753,0.153], g[1.478,0.057]
1/1 [=====] - 0s 87ms/step
>1820, dr[0.418,0.567], df[0.545,0.045], g[1.625,0.152]
1/1 [=====] - 0s 79ms/step
>1821, dr[0.642,0.686], df[0.574,0.119], g[1.309,0.048]
1/1 [=====] - 0s 78ms/step
>1822, dr[0.556,0.465], df[0.677,0.050], g[1.462,0.110]
1/1 [=====] - 0s 75ms/step
>1823, dr[0.574,0.531], df[0.598,0.032], g[1.435,0.069]
1/1 [=====] - 0s 82ms/step
>1824, dr[0.809,0.520], df[0.451,0.038], g[1.532,0.071]
1/1 [=====] - 0s 94ms/step
>1825, dr[0.656,0.596], df[0.469,0.018], g[1.397,0.054]
1/1 [=====] - 0s 85ms/step
>1826, dr[0.471,0.870], df[0.487,0.079], g[1.422,0.049]
1/1 [=====] - 0s 79ms/step
>1827, dr[0.486,0.441], df[0.537,0.092], g[1.506,0.068]
1/1 [=====] - 0s 85ms/step
```

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>1828, dr[0.512,0.625], df[0.543,0.049], g[1.305,0.065]
1/1 [=====] - 0s 77ms/step
>1829, dr[0.300,0.484], df[0.496,0.067], g[1.449,0.074]
1/1 [=====] - 0s 83ms/step
>1830, dr[0.592,0.808], df[0.488,0.070], g[1.526,0.055]
1/1 [=====] - 0s 87ms/step
>1831, dr[0.407,0.228], df[0.559,0.071], g[1.324,0.060]
1/1 [=====] - 0s 86ms/step
>1832, dr[0.497,0.494], df[0.534,0.043], g[1.449,0.075]
1/1 [=====] - 0s 88ms/step
>1833, dr[0.536,1.069], df[0.570,0.051], g[1.255,0.094]
1/1 [=====] - 0s 86ms/step
>1834, dr[0.722,0.834], df[0.959,0.075], g[1.292,0.047]
1/1 [=====] - 0s 90ms/step
>1835, dr[0.452,0.466], df[0.524,0.141], g[1.369,0.057]
1/1 [=====] - 0s 98ms/step
>1836, dr[0.538,0.455], df[0.546,0.138], g[1.493,0.081]
1/1 [=====] - 0s 81ms/step
>1837, dr[0.616,0.479], df[0.480,0.068], g[1.446,0.079]
1/1 [=====] - 0s 84ms/step
>1838, dr[0.609,0.906], df[0.583,0.091], g[1.095,0.102]
1/1 [=====] - 0s 81ms/step
>1839, dr[0.551,0.560], df[0.635,0.067], g[1.265,0.061]
1/1 [=====] - 0s 87ms/step
>1840, dr[0.385,0.918], df[0.585,0.084], g[1.489,0.051]
1/1 [=====] - 0s 80ms/step
>1841, dr[0.642,0.605], df[0.452,0.085], g[1.512,0.118]
1/1 [=====] - 0s 81ms/step
>1842, dr[0.584,0.358], df[0.482,0.047], g[1.249,0.047]
1/1 [=====] - 0s 78ms/step
>1843, dr[0.695,0.873], df[0.700,0.150], g[1.091,0.067]
1/1 [=====] - 0s 78ms/step
>1844, dr[0.415,0.441], df[0.513,0.063], g[1.232,0.100]
1/1 [=====] - 0s 83ms/step
>1845, dr[0.465,0.806], df[0.659,0.075], g[1.267,0.036]
1/1 [=====] - 0s 72ms/step
>1846, dr[0.368,0.893], df[0.813,0.063], g[1.602,0.058]
1/1 [=====] - 0s 88ms/step
>1847, dr[0.552,0.350], df[0.675,0.128], g[1.462,0.053]
1/1 [=====] - 0s 72ms/step
>1848, dr[0.618,0.382], df[0.591,0.050], g[1.548,0.058]
1/1 [=====] - 0s 79ms/step
>1849, dr[0.755,0.444], df[0.405,0.041], g[1.736,0.099]
1/1 [=====] - 0s 77ms/step
>1850, dr[0.716,0.732], df[0.583,0.223], g[1.366,0.047]
1/1 [=====] - 0s 76ms/step
>1851, dr[0.719,0.350], df[0.695,0.108], g[1.379,0.107]
1/1 [=====] - 0s 76ms/step
>1852, dr[0.480,0.399], df[0.429,0.066], g[1.589,0.045]
1/1 [=====] - 0s 352ms/step
>1853, dr[0.857,0.795], df[0.703,0.040], g[1.549,0.048]
1/1 [=====] - 0s 78ms/step
>1854, dr[0.491,0.375], df[0.429,0.075], g[1.502,0.077]
1/1 [=====] - 0s 87ms/step
>1855, dr[0.442,0.761], df[0.518,0.082], g[1.454,0.038]
1/1 [=====] - 0s 79ms/step
>1856, dr[0.573,0.368], df[0.475,0.083], g[1.378,0.050]
1/1 [=====] - 0s 73ms/step
>1857, dr[0.532,0.407], df[0.670,0.057], g[1.297,0.047]
1/1 [=====] - 0s 83ms/step
```

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>1858, dr[0.409,0.290], df[0.530,0.097], g[1.434,0.052]
1/1 [=====] - 0s 78ms/step
>1859, dr[0.646,0.562], df[0.519,0.058], g[1.328,0.035]
1/1 [=====] - 0s 86ms/step
>1860, dr[0.438,0.361], df[0.621,0.180], g[1.337,0.072]
1/1 [=====] - 0s 77ms/step
>1861, dr[0.678,0.793], df[0.731,0.084], g[1.263,0.057]
1/1 [=====] - 0s 76ms/step
>1862, dr[0.638,0.315], df[0.565,0.075], g[1.130,0.029]
1/1 [=====] - 0s 76ms/step
>1863, dr[0.544,0.475], df[0.626,0.069], g[1.561,0.075]
1/1 [=====] - 0s 76ms/step
>1864, dr[0.694,0.692], df[0.641,0.073], g[1.248,0.091]
1/1 [=====] - 0s 77ms/step
>1865, dr[0.560,0.237], df[0.675,0.021], g[1.383,0.053]
1/1 [=====] - 0s 79ms/step
>1866, dr[0.529,0.589], df[0.553,0.081], g[1.401,0.089]
1/1 [=====] - 0s 75ms/step
>1867, dr[0.606,0.606], df[0.587,0.059], g[1.585,0.096]
1/1 [=====] - 0s 85ms/step
>1868, dr[0.487,0.692], df[0.530,0.114], g[1.442,0.064]
1/1 [=====] - 0s 78ms/step
>1869, dr[0.695,0.998], df[0.521,0.135], g[1.509,0.078]
1/1 [=====] - 0s 84ms/step
>1870, dr[0.456,0.710], df[0.601,0.029], g[1.294,0.096]
1/1 [=====] - 0s 76ms/step
>1871, dr[0.824,0.847], df[0.376,0.034], g[1.028,0.088]
1/1 [=====] - 0s 77ms/step
>1872, dr[0.519,0.337], df[0.576,0.097], g[0.983,0.077]
1/1 [=====] - 0s 80ms/step
>1873, dr[0.334,0.668], df[0.751,0.053], g[1.195,0.041]
1/1 [=====] - 0s 82ms/step
>1874, dr[0.428,0.559], df[0.532,0.029], g[1.417,0.069]
4/4 [=====] - 0s 49ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 91ms/step
>1875, dr[0.818,0.615], df[0.635,0.048], g[1.246,0.082]
1/1 [=====] - 0s 90ms/step
>1876, dr[0.497,0.511], df[0.511,0.083], g[1.411,0.059]
1/1 [=====] - 0s 86ms/step
>1877, dr[0.506,0.482], df[0.701,0.050], g[1.731,0.043]
1/1 [=====] - 0s 83ms/step
>1878, dr[0.685,0.592], df[0.467,0.088], g[1.376,0.103]
1/1 [=====] - 0s 110ms/step
>1879, dr[0.373,0.586], df[0.460,0.034], g[1.291,0.149]
1/1 [=====] - 0s 80ms/step
>1880, dr[0.686,0.486], df[0.494,0.033], g[1.339,0.095]
1/1 [=====] - 0s 93ms/step
>1881, dr[0.532,0.397], df[0.569,0.058], g[1.096,0.094]
1/1 [=====] - 0s 78ms/step
>1882, dr[0.587,0.242], df[0.613,0.123], g[1.225,0.048]
1/1 [=====] - 0s 110ms/step
>1883, dr[0.412,0.536], df[0.711,0.061], g[1.428,0.077]
1/1 [=====] - 0s 87ms/step
>1884, dr[0.549,0.772], df[0.399,0.047], g[1.309,0.064]
1/1 [=====] - 0s 96ms/step
>1885, dr[0.706,0.416], df[0.527,0.044], g[1.179,0.063]
1/1 [=====] - 0s 79ms/step

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>1886, dr[0.353,0.319], df[0.416,0.013], g[1.371,0.051]
1/1 [=====] - 0s 88ms/step
>1887, dr[0.656,0.314], df[0.510,0.087], g[1.282,0.128]
1/1 [=====] - 0s 79ms/step
>1888, dr[0.493,0.352], df[0.552,0.091], g[1.148,0.125]
1/1 [=====] - 0s 82ms/step
>1889, dr[0.677,0.688], df[0.570,0.109], g[1.240,0.098]
1/1 [=====] - 0s 76ms/step
>1890, dr[0.483,0.752], df[0.590,0.124], g[1.205,0.074]
1/1 [=====] - 0s 78ms/step
>1891, dr[0.482,0.564], df[0.681,0.088], g[1.230,0.103]
1/1 [=====] - 0s 82ms/step
>1892, dr[0.513,0.399], df[0.591,0.084], g[1.531,0.107]
1/1 [=====] - 0s 74ms/step
>1893, dr[0.596,0.503], df[0.590,0.059], g[1.502,0.066]
1/1 [=====] - 0s 76ms/step
>1894, dr[0.388,0.539], df[0.474,0.063], g[1.467,0.056]
1/1 [=====] - 0s 76ms/step
>1895, dr[0.594,0.581], df[0.483,0.031], g[1.377,0.123]
1/1 [=====] - 0s 107ms/step
>1896, dr[0.487,0.514], df[0.542,0.031], g[1.446,0.156]
1/1 [=====] - 0s 76ms/step
>1897, dr[0.503,0.363], df[0.594,0.096], g[1.365,0.057]
1/1 [=====] - 0s 81ms/step
>1898, dr[0.978,0.439], df[0.669,0.058], g[1.225,0.122]
1/1 [=====] - 0s 77ms/step
>1899, dr[0.505,0.743], df[0.403,0.069], g[1.311,0.091]
1/1 [=====] - 0s 80ms/step
>1900, dr[0.581,0.452], df[0.808,0.031], g[1.234,0.058]
1/1 [=====] - 0s 75ms/step
>1901, dr[0.545,0.941], df[0.495,0.172], g[1.442,0.056]
1/1 [=====] - 0s 84ms/step
>1902, dr[0.707,0.272], df[0.708,0.058], g[1.251,0.101]
1/1 [=====] - 0s 75ms/step
>1903, dr[0.657,0.369], df[0.572,0.068], g[1.421,0.068]
1/1 [=====] - 0s 84ms/step
>1904, dr[0.622,0.383], df[0.503,0.058], g[1.504,0.044]
1/1 [=====] - 0s 76ms/step
>1905, dr[0.572,0.764], df[0.565,0.055], g[1.477,0.048]
1/1 [=====] - 0s 80ms/step
>1906, dr[0.543,0.335], df[0.631,0.072], g[1.330,0.063]
1/1 [=====] - 0s 74ms/step
>1907, dr[0.778,0.409], df[0.673,0.053], g[1.235,0.030]
1/1 [=====] - 0s 80ms/step
>1908, dr[0.531,0.743], df[0.659,0.068], g[1.106,0.044]
1/1 [=====] - 0s 75ms/step
>1909, dr[0.558,0.542], df[0.781,0.216], g[1.344,0.054]
1/1 [=====] - 0s 82ms/step
>1910, dr[0.694,0.544], df[0.694,0.131], g[1.559,0.046]
1/1 [=====] - 0s 74ms/step
>1911, dr[0.597,0.609], df[0.676,0.116], g[1.515,0.040]
1/1 [=====] - 0s 85ms/step
>1912, dr[0.410,0.455], df[0.597,0.052], g[1.612,0.049]
1/1 [=====] - 0s 78ms/step
>1913, dr[0.582,0.635], df[0.458,0.075], g[1.494,0.125]
1/1 [=====] - 0s 84ms/step
>1914, dr[0.768,0.790], df[0.557,0.128], g[1.382,0.058]
1/1 [=====] - 0s 99ms/step
>1915, dr[0.467,0.674], df[0.653,0.159], g[1.352,0.048]
1/1 [=====] - 0s 116ms/step
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>1916, dr[0.695,0.823], df[0.605,0.068], g[1.225,0.100]
1/1 [=====] - 0s 115ms/step
>1917, dr[0.806,1.206], df[0.560,0.043], g[1.356,0.117]
1/1 [=====] - 0s 91ms/step
>1918, dr[0.342,0.417], df[0.677,0.057], g[1.272,0.095]
1/1 [=====] - 0s 100ms/step
>1919, dr[0.583,0.464], df[0.535,0.063], g[1.343,0.044]
1/1 [=====] - 0s 96ms/step
>1920, dr[0.740,0.476], df[0.364,0.042], g[1.339,0.053]
1/1 [=====] - 0s 88ms/step
>1921, dr[0.523,0.467], df[0.457,0.119], g[1.256,0.096]
1/1 [=====] - 0s 101ms/step
>1922, dr[0.374,0.759], df[0.790,0.080], g[0.981,0.042]
1/1 [=====] - 0s 88ms/step
>1923, dr[0.384,0.402], df[0.444,0.031], g[1.520,0.069]
1/1 [=====] - 0s 91ms/step
>1924, dr[0.583,0.412], df[0.528,0.113], g[1.398,0.072]
1/1 [=====] - 0s 100ms/step
>1925, dr[0.615,0.570], df[0.616,0.043], g[1.455,0.090]
1/1 [=====] - 0s 98ms/step
>1926, dr[0.498,0.496], df[0.513,0.028], g[1.306,0.035]
1/1 [=====] - 0s 81ms/step
>1927, dr[0.467,0.344], df[0.548,0.163], g[1.308,0.110]
1/1 [=====] - 0s 84ms/step
>1928, dr[0.514,0.586], df[0.555,0.081], g[1.450,0.107]
1/1 [=====] - 0s 83ms/step
>1929, dr[0.594,0.493], df[0.588,0.066], g[1.357,0.039]
1/1 [=====] - 0s 90ms/step
>1930, dr[0.678,0.870], df[0.522,0.077], g[1.461,0.075]
1/1 [=====] - 0s 82ms/step
>1931, dr[0.505,0.205], df[0.575,0.033], g[1.594,0.059]
1/1 [=====] - 0s 86ms/step
>1932, dr[0.609,0.598], df[0.617,0.046], g[1.397,0.039]
1/1 [=====] - 0s 77ms/step
>1933, dr[0.656,0.532], df[0.539,0.092], g[1.084,0.033]
1/1 [=====] - 0s 83ms/step
>1934, dr[0.252,0.898], df[0.756,0.125], g[1.603,0.059]
1/1 [=====] - 0s 80ms/step
>1935, dr[0.742,0.917], df[0.366,0.106], g[1.398,0.048]
1/1 [=====] - 0s 80ms/step
>1936, dr[0.768,0.593], df[0.697,0.057], g[1.234,0.059]
1/1 [=====] - 0s 79ms/step
>1937, dr[0.466,0.357], df[0.574,0.031], g[1.458,0.087]
1/1 [=====] - 0s 80ms/step
>1938, dr[0.626,0.416], df[0.757,0.105], g[1.353,0.030]
1/1 [=====] - 0s 77ms/step
>1939, dr[0.763,0.736], df[0.510,0.076], g[1.252,0.108]
1/1 [=====] - 0s 88ms/step
>1940, dr[0.540,0.644], df[0.499,0.063], g[1.265,0.040]
1/1 [=====] - 0s 88ms/step
>1941, dr[0.427,0.726], df[0.591,0.090], g[1.169,0.083]
1/1 [=====] - 0s 91ms/step
>1942, dr[0.319,0.399], df[0.594,0.080], g[1.541,0.058]
1/1 [=====] - 0s 101ms/step
>1943, dr[0.646,0.399], df[0.393,0.054], g[1.654,0.035]
1/1 [=====] - 0s 86ms/step
>1944, dr[0.929,0.633], df[0.672,0.036], g[1.247,0.083]
1/1 [=====] - 0s 98ms/step
>1945, dr[0.612,0.718], df[0.593,0.062], g[1.327,0.054]
1/1 [=====] - 0s 83ms/step
```

```
>1946, dr[0.472,0.823], df[0.457,0.038], g[1.256,0.050]
1/1 [=====] - 0s 91ms/step
>1947, dr[0.440,0.278], df[0.610,0.052], g[1.353,0.040]
1/1 [=====] - 0s 82ms/step
>1948, dr[0.551,0.484], df[0.735,0.164], g[1.613,0.090]
1/1 [=====] - 0s 87ms/step
>1949, dr[0.517,0.639], df[0.434,0.022], g[1.336,0.053]
1/1 [=====] - 0s 82ms/step
>1950, dr[0.481,0.499], df[0.676,0.045], g[1.483,0.098]
1/1 [=====] - 0s 85ms/step
>1951, dr[0.651,0.725], df[0.623,0.155], g[1.579,0.030]
1/1 [=====] - 0s 87ms/step
>1952, dr[0.453,0.783], df[0.493,0.057], g[1.516,0.049]
1/1 [=====] - 0s 83ms/step
>1953, dr[0.623,0.870], df[0.707,0.032], g[1.414,0.069]
1/1 [=====] - 0s 97ms/step
>1954, dr[0.541,0.356], df[0.492,0.045], g[1.385,0.046]
1/1 [=====] - 0s 82ms/step
>1955, dr[0.480,0.691], df[0.487,0.020], g[1.418,0.053]
1/1 [=====] - 0s 81ms/step
>1956, dr[0.697,0.710], df[0.711,0.073], g[1.320,0.115]
1/1 [=====] - 0s 77ms/step
>1957, dr[0.512,0.339], df[0.435,0.043], g[1.392,0.072]
1/1 [=====] - 0s 82ms/step
>1958, dr[0.491,0.422], df[0.753,0.085], g[1.454,0.085]
1/1 [=====] - 0s 77ms/step
>1959, dr[0.728,0.555], df[0.373,0.060], g[1.214,0.060]
1/1 [=====] - 0s 78ms/step
>1960, dr[0.615,0.708], df[0.697,0.075], g[1.225,0.069]
1/1 [=====] - 0s 78ms/step
>1961, dr[0.568,0.624], df[0.569,0.021], g[1.608,0.051]
1/1 [=====] - 0s 77ms/step
>1962, dr[0.491,0.746], df[0.526,0.036], g[1.545,0.098]
1/1 [=====] - 0s 76ms/step
>1963, dr[0.626,0.342], df[0.483,0.056], g[1.338,0.052]
1/1 [=====] - 0s 79ms/step
>1964, dr[0.618,0.274], df[0.767,0.094], g[1.423,0.062]
1/1 [=====] - 0s 76ms/step
>1965, dr[0.744,0.576], df[0.540,0.034], g[1.244,0.102]
1/1 [=====] - 0s 85ms/step
>1966, dr[0.493,0.570], df[0.558,0.152], g[1.312,0.070]
1/1 [=====] - 0s 84ms/step
>1967, dr[0.572,0.698], df[0.672,0.094], g[1.155,0.089]
1/1 [=====] - 0s 95ms/step
>1968, dr[0.568,0.560], df[0.458,0.052], g[1.252,0.092]
1/1 [=====] - 0s 94ms/step
>1969, dr[0.535,0.576], df[0.692,0.032], g[1.326,0.030]
1/1 [=====] - 0s 76ms/step
>1970, dr[0.528,0.909], df[0.490,0.111], g[1.204,0.028]
1/1 [=====] - 0s 82ms/step
>1971, dr[0.518,0.280], df[0.649,0.049], g[1.441,0.047]
1/1 [=====] - 0s 78ms/step
>1972, dr[0.592,0.505], df[0.531,0.039], g[1.564,0.062]
1/1 [=====] - 0s 104ms/step
>1973, dr[0.506,0.574], df[0.512,0.100], g[1.568,0.092]
1/1 [=====] - 0s 79ms/step
>1974, dr[0.670,1.071], df[0.553,0.099], g[1.415,0.065]
1/1 [=====] - 0s 81ms/step
>1975, dr[0.737,0.431], df[0.587,0.033], g[1.189,0.039]
1/1 [=====] - 0s 78ms/step
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>1976, dr[0.552,0.350], df[0.570,0.036], g[1.171,0.080]
1/1 [=====] - 0s 78ms/step
>1977, dr[0.596,0.728], df[0.567,0.059], g[1.287,0.065]
1/1 [=====] - 0s 75ms/step
>1978, dr[0.804,0.470], df[0.866,0.092], g[1.282,0.032]
1/1 [=====] - 0s 77ms/step
>1979, dr[0.425,0.437], df[0.585,0.090], g[1.197,0.064]
1/1 [=====] - 0s 73ms/step
>1980, dr[0.487,0.470], df[0.517,0.051], g[1.362,0.024]
1/1 [=====] - 0s 79ms/step
>1981, dr[0.601,0.594], df[0.530,0.082], g[1.284,0.036]
1/1 [=====] - 0s 74ms/step
>1982, dr[0.537,0.335], df[0.554,0.132], g[1.078,0.028]
1/1 [=====] - 0s 80ms/step
>1983, dr[0.527,0.866], df[0.606,0.064], g[1.269,0.060]
1/1 [=====] - 0s 72ms/step
>1984, dr[0.457,0.380], df[0.645,0.097], g[1.299,0.106]
1/1 [=====] - 0s 81ms/step
>1985, dr[0.509,0.661], df[0.605,0.042], g[1.167,0.066]
1/1 [=====] - 0s 73ms/step
>1986, dr[0.619,0.479], df[0.563,0.037], g[1.490,0.119]
1/1 [=====] - 0s 80ms/step
>1987, dr[0.703,0.528], df[0.528,0.042], g[1.227,0.045]
1/1 [=====] - 0s 77ms/step
>1988, dr[0.539,0.385], df[0.645,0.070], g[1.277,0.040]
1/1 [=====] - 0s 100ms/step
>1989, dr[0.580,0.705], df[0.600,0.034], g[1.278,0.058]
1/1 [=====] - 0s 85ms/step
>1990, dr[0.519,0.677], df[0.694,0.035], g[1.224,0.068]
1/1 [=====] - 0s 91ms/step
>1991, dr[0.345,0.597], df[0.661,0.102], g[1.602,0.090]
1/1 [=====] - 0s 83ms/step
>1992, dr[0.730,0.693], df[0.399,0.056], g[1.607,0.063]
1/1 [=====] - 0s 87ms/step
>1993, dr[0.651,0.918], df[0.516,0.044], g[1.156,0.035]
1/1 [=====] - 0s 87ms/step
>1994, dr[0.648,0.236], df[0.547,0.045], g[1.174,0.106]
1/1 [=====] - 0s 94ms/step
>1995, dr[0.539,0.786], df[0.757,0.037], g[1.163,0.121]
1/1 [=====] - 0s 75ms/step
>1996, dr[0.312,0.447], df[0.586,0.059], g[1.279,0.053]
1/1 [=====] - 0s 82ms/step
>1997, dr[0.866,0.782], df[0.515,0.086], g[1.125,0.033]
1/1 [=====] - 0s 74ms/step
>1998, dr[0.505,0.641], df[0.525,0.063], g[1.130,0.065]
1/1 [=====] - 0s 79ms/step
>1999, dr[0.453,0.343], df[0.669,0.031], g[1.312,0.066]
1/1 [=====] - 0s 76ms/step
>2000, dr[0.401,0.509], df[0.389,0.051], g[1.335,0.089]
1/1 [=====] - 0s 76ms/step
>2001, dr[0.608,0.629], df[0.354,0.072], g[1.118,0.058]
1/1 [=====] - 0s 73ms/step
>2002, dr[0.502,0.410], df[0.716,0.148], g[1.127,0.095]
1/1 [=====] - 0s 79ms/step
>2003, dr[0.450,0.517], df[0.669,0.040], g[1.412,0.053]
1/1 [=====] - 0s 77ms/step
>2004, dr[0.534,0.375], df[0.541,0.046], g[1.493,0.040]
1/1 [=====] - 0s 76ms/step
>2005, dr[0.767,0.724], df[0.587,0.040], g[1.365,0.052]
1/1 [=====] - 0s 79ms/step
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>2006, dr[0.649,0.371], df[0.544,0.168], g[1.346,0.079]
1/1 [=====] - 0s 77ms/step
>2007, dr[0.655,0.452], df[0.674,0.038], g[1.193,0.079]
1/1 [=====] - 0s 75ms/step
>2008, dr[0.650,0.493], df[0.483,0.047], g[1.281,0.037]
1/1 [=====] - 0s 75ms/step
>2009, dr[0.548,0.503], df[0.693,0.113], g[1.100,0.043]
1/1 [=====] - 0s 80ms/step
>2010, dr[0.338,0.486], df[0.565,0.063], g[1.297,0.122]
1/1 [=====] - 0s 74ms/step
>2011, dr[0.645,0.560], df[0.573,0.055], g[1.211,0.093]
1/1 [=====] - 0s 77ms/step
>2012, dr[0.506,0.550], df[0.756,0.119], g[1.404,0.055]
1/1 [=====] - 0s 75ms/step
>2013, dr[0.433,0.433], df[0.616,0.035], g[1.711,0.064]
1/1 [=====] - 0s 81ms/step
>2014, dr[0.576,0.626], df[0.443,0.038], g[1.419,0.081]
1/1 [=====] - 0s 78ms/step
>2015, dr[0.631,0.399], df[0.569,0.043], g[1.421,0.043]
1/1 [=====] - 0s 87ms/step
>2016, dr[0.513,0.426], df[0.527,0.020], g[0.994,0.080]
1/1 [=====] - 0s 74ms/step
>2017, dr[0.508,0.620], df[0.466,0.109], g[1.210,0.120]
1/1 [=====] - 0s 82ms/step
>2018, dr[0.383,0.518], df[0.502,0.047], g[1.360,0.055]
1/1 [=====] - 0s 75ms/step
>2019, dr[0.496,0.581], df[0.372,0.102], g[1.284,0.068]
1/1 [=====] - 0s 79ms/step
>2020, dr[0.496,0.562], df[0.615,0.044], g[1.217,0.050]
1/1 [=====] - 0s 73ms/step
>2021, dr[0.456,0.669], df[0.625,0.030], g[1.398,0.040]
1/1 [=====] - 0s 83ms/step
>2022, dr[0.620,0.430], df[0.516,0.093], g[1.354,0.052]
1/1 [=====] - 0s 76ms/step
>2023, dr[0.558,0.758], df[0.484,0.047], g[1.380,0.073]
1/1 [=====] - 0s 82ms/step
>2024, dr[0.634,0.492], df[0.649,0.051], g[1.273,0.046]
1/1 [=====] - 0s 74ms/step
>2025, dr[0.459,0.376], df[0.469,0.031], g[1.325,0.036]
1/1 [=====] - 0s 81ms/step
>2026, dr[0.568,0.655], df[0.330,0.060], g[1.189,0.118]
1/1 [=====] - 0s 80ms/step
>2027, dr[0.569,0.444], df[0.514,0.082], g[1.142,0.055]
1/1 [=====] - 0s 82ms/step
>2028, dr[0.398,0.331], df[1.011,0.045], g[1.242,0.035]
1/1 [=====] - 0s 76ms/step
>2029, dr[0.437,0.537], df[0.475,0.022], g[1.317,0.032]
1/1 [=====] - 0s 93ms/step
>2030, dr[0.580,0.699], df[0.572,0.048], g[1.286,0.109]
1/1 [=====] - 0s 90ms/step
>2031, dr[0.681,0.530], df[0.521,0.064], g[1.354,0.058]
1/1 [=====] - 0s 87ms/step
>2032, dr[0.490,0.343], df[0.744,0.043], g[1.364,0.064]
1/1 [=====] - 0s 80ms/step
>2033, dr[0.422,0.343], df[0.511,0.086], g[1.584,0.135]
1/1 [=====] - 0s 88ms/step
>2034, dr[0.577,0.456], df[0.413,0.046], g[1.328,0.031]
1/1 [=====] - 0s 77ms/step
>2035, dr[0.503,0.396], df[0.589,0.045], g[1.332,0.079]
1/1 [=====] - 0s 86ms/step
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>2036, dr[0.427,0.438], df[0.443,0.021], g[1.228,0.083]
1/1 [=====] - 0s 85ms/step
>2037, dr[0.507,0.365], df[0.435,0.085], g[1.294,0.069]
1/1 [=====] - 0s 90ms/step
>2038, dr[0.652,0.644], df[0.561,0.047], g[1.297,0.073]
1/1 [=====] - 0s 82ms/step
>2039, dr[0.417,0.563], df[0.526,0.036], g[1.315,0.036]
1/1 [=====] - 0s 77ms/step
>2040, dr[0.502,0.980], df[0.481,0.125], g[1.256,0.061]
1/1 [=====] - 0s 83ms/step
>2041, dr[0.293,0.373], df[0.478,0.044], g[1.391,0.063]
1/1 [=====] - 0s 77ms/step
>2042, dr[0.595,0.358], df[0.457,0.053], g[1.152,0.067]
1/1 [=====] - 0s 80ms/step
>2043, dr[0.530,0.631], df[0.619,0.078], g[1.275,0.040]
1/1 [=====] - 0s 75ms/step
>2044, dr[0.445,0.421], df[0.579,0.031], g[1.220,0.076]
1/1 [=====] - 0s 77ms/step
>2045, dr[0.588,0.381], df[0.585,0.067], g[1.271,0.071]
1/1 [=====] - 0s 86ms/step
>2046, dr[0.561,0.645], df[0.424,0.058], g[1.045,0.112]
1/1 [=====] - 0s 75ms/step
>2047, dr[0.695,0.579], df[0.724,0.066], g[1.073,0.064]
1/1 [=====] - 0s 77ms/step
>2048, dr[0.527,0.582], df[0.730,0.027], g[1.262,0.108]
1/1 [=====] - 0s 77ms/step
>2049, dr[0.483,0.375], df[0.617,0.026], g[1.234,0.059]
1/1 [=====] - 0s 76ms/step
>2050, dr[0.490,0.518], df[0.513,0.028], g[1.413,0.041]
1/1 [=====] - 0s 72ms/step
>2051, dr[0.462,0.401], df[0.483,0.016], g[1.338,0.053]
1/1 [=====] - 0s 75ms/step
>2052, dr[0.498,0.589], df[0.477,0.056], g[1.639,0.062]
1/1 [=====] - 0s 81ms/step
>2053, dr[0.641,0.561], df[0.488,0.062], g[1.701,0.065]
1/1 [=====] - 0s 80ms/step
>2054, dr[0.552,0.307], df[0.455,0.046], g[1.427,0.035]
1/1 [=====] - 0s 80ms/step
>2055, dr[0.472,0.395], df[0.387,0.061], g[1.410,0.059]
1/1 [=====] - 0s 74ms/step
>2056, dr[0.469,0.401], df[0.577,0.021], g[1.444,0.040]
1/1 [=====] - 0s 83ms/step
>2057, dr[0.619,0.545], df[0.542,0.088], g[1.381,0.076]
1/1 [=====] - 0s 75ms/step
>2058, dr[0.416,0.352], df[0.463,0.091], g[1.269,0.035]
1/1 [=====] - 0s 82ms/step
>2059, dr[0.684,0.667], df[0.488,0.033], g[1.090,0.060]
1/1 [=====] - 0s 75ms/step
>2060, dr[0.573,0.488], df[0.841,0.052], g[1.298,0.050]
1/1 [=====] - 0s 83ms/step
>2061, dr[0.691,0.359], df[0.650,0.033], g[1.099,0.037]
1/1 [=====] - 0s 75ms/step
>2062, dr[0.658,0.385], df[0.513,0.022], g[1.057,0.082]
1/1 [=====] - 0s 81ms/step
>2063, dr[0.465,0.183], df[0.592,0.022], g[1.274,0.097]
1/1 [=====] - 0s 75ms/step
>2064, dr[0.536,1.026], df[0.506,0.033], g[1.201,0.061]
1/1 [=====] - 0s 84ms/step
>2065, dr[0.442,0.463], df[0.584,0.030], g[1.283,0.036]
1/1 [=====] - 0s 74ms/step
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>2066, dr[0.468,0.446], df[0.613,0.069], g[1.461,0.026]
1/1 [=====] - 0s 86ms/step
>2067, dr[0.698,0.884], df[0.735,0.083], g[1.122,0.076]
1/1 [=====] - 0s 75ms/step
>2068, dr[0.365,0.626], df[0.621,0.099], g[1.449,0.046]
1/1 [=====] - 0s 104ms/step
>2069, dr[0.790,0.401], df[0.575,0.074], g[1.336,0.049]
1/1 [=====] - 0s 79ms/step
>2070, dr[0.794,0.491], df[0.698,0.041], g[1.143,0.037]
1/1 [=====] - 0s 85ms/step
>2071, dr[0.560,0.862], df[0.446,0.035], g[1.253,0.059]
1/1 [=====] - 0s 86ms/step
>2072, dr[0.439,0.390], df[0.603,0.076], g[1.422,0.036]
1/1 [=====] - 0s 76ms/step
>2073, dr[0.574,0.582], df[0.526,0.036], g[1.386,0.074]
1/1 [=====] - 0s 80ms/step
>2074, dr[0.559,0.418], df[0.458,0.026], g[1.471,0.046]
1/1 [=====] - 0s 82ms/step
>2075, dr[0.421,0.439], df[0.493,0.042], g[1.452,0.085]
1/1 [=====] - 0s 82ms/step
>2076, dr[0.611,0.477], df[0.676,0.040], g[1.482,0.061]
1/1 [=====] - 0s 82ms/step
>2077, dr[0.685,0.565], df[0.601,0.043], g[1.165,0.066]
1/1 [=====] - 0s 82ms/step
>2078, dr[0.636,0.598], df[0.581,0.021], g[1.305,0.102]
1/1 [=====] - 0s 87ms/step
>2079, dr[0.467,0.497], df[0.861,0.080], g[1.408,0.061]
1/1 [=====] - 0s 85ms/step
>2080, dr[0.349,0.412], df[0.523,0.038], g[1.431,0.050]
1/1 [=====] - 0s 85ms/step
>2081, dr[0.642,0.414], df[0.547,0.032], g[1.543,0.052]
1/1 [=====] - 0s 85ms/step
>2082, dr[0.504,0.407], df[0.392,0.034], g[1.407,0.139]
1/1 [=====] - 0s 78ms/step
>2083, dr[0.588,0.484], df[0.625,0.064], g[1.497,0.035]
1/1 [=====] - 0s 85ms/step
>2084, dr[0.544,0.656], df[0.360,0.042], g[1.451,0.095]
1/1 [=====] - 0s 74ms/step
>2085, dr[0.539,0.660], df[0.599,0.059], g[1.332,0.072]
1/1 [=====] - 0s 87ms/step
>2086, dr[0.382,0.338], df[0.550,0.090], g[1.214,0.058]
1/1 [=====] - 0s 82ms/step
>2087, dr[0.838,0.975], df[0.718,0.084], g[1.167,0.082]
1/1 [=====] - 0s 81ms/step
>2088, dr[0.303,0.370], df[0.529,0.045], g[1.395,0.062]
1/1 [=====] - 0s 76ms/step
>2089, dr[0.711,0.800], df[0.689,0.034], g[1.277,0.049]
1/1 [=====] - 0s 77ms/step
>2090, dr[0.514,0.262], df[0.578,0.033], g[1.392,0.060]
1/1 [=====] - 0s 82ms/step
>2091, dr[0.660,0.631], df[0.643,0.159], g[1.527,0.054]
1/1 [=====] - 0s 81ms/step
>2092, dr[0.469,0.497], df[0.603,0.031], g[1.472,0.049]
1/1 [=====] - 0s 80ms/step
>2093, dr[0.763,0.697], df[0.570,0.052], g[1.393,0.026]
1/1 [=====] - 0s 75ms/step
>2094, dr[0.575,0.450], df[0.830,0.039], g[1.510,0.092]
1/1 [=====] - 0s 76ms/step
>2095, dr[0.486,0.372], df[0.558,0.048], g[1.419,0.067]
1/1 [=====] - 0s 82ms/step
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>2096, dr[0.594,0.404], df[0.540,0.048], g[1.407,0.058]
1/1 [=====] - 0s 74ms/step
>2097, dr[0.689,0.282], df[0.551,0.040], g[1.303,0.069]
1/1 [=====] - 0s 76ms/step
>2098, dr[0.514,0.570], df[0.677,0.195], g[1.299,0.041]
1/1 [=====] - 0s 74ms/step
>2099, dr[0.607,0.349], df[0.484,0.106], g[1.335,0.089]
1/1 [=====] - 0s 79ms/step
>2100, dr[0.625,0.520], df[0.464,0.064], g[1.124,0.065]
1/1 [=====] - 0s 75ms/step
>2101, dr[0.568,0.556], df[0.566,0.081], g[1.122,0.071]
1/1 [=====] - 0s 81ms/step
>2102, dr[0.459,0.445], df[0.558,0.024], g[1.216,0.035]
1/1 [=====] - 0s 80ms/step
>2103, dr[0.425,1.057], df[0.488,0.071], g[1.111,0.073]
1/1 [=====] - 0s 85ms/step
>2104, dr[0.459,0.519], df[0.612,0.188], g[1.274,0.095]
1/1 [=====] - 0s 76ms/step
>2105, dr[0.607,0.465], df[0.553,0.037], g[1.392,0.098]
1/1 [=====] - 0s 83ms/step
>2106, dr[0.681,0.475], df[0.405,0.040], g[1.382,0.053]
1/1 [=====] - 0s 82ms/step
>2107, dr[0.715,0.441], df[0.493,0.051], g[1.039,0.082]
1/1 [=====] - 0s 92ms/step
>2108, dr[0.540,0.878], df[0.838,0.071], g[1.296,0.101]
1/1 [=====] - 0s 101ms/step
>2109, dr[0.360,0.378], df[0.479,0.050], g[1.412,0.045]
1/1 [=====] - 0s 78ms/step
>2110, dr[0.460,0.853], df[0.544,0.045], g[1.581,0.123]
1/1 [=====] - 0s 82ms/step
>2111, dr[0.546,0.449], df[0.470,0.040], g[1.514,0.073]
1/1 [=====] - 0s 77ms/step
>2112, dr[0.478,0.489], df[0.515,0.091], g[1.376,0.039]
1/1 [=====] - 0s 78ms/step
>2113, dr[0.704,0.706], df[0.516,0.125], g[1.060,0.086]
1/1 [=====] - 0s 75ms/step
>2114, dr[0.557,0.339], df[0.607,0.101], g[1.089,0.065]
1/1 [=====] - 0s 83ms/step
>2115, dr[0.472,0.619], df[0.761,0.081], g[1.186,0.052]
1/1 [=====] - 0s 78ms/step
>2116, dr[0.610,0.392], df[0.655,0.115], g[1.414,0.101]
1/1 [=====] - 0s 83ms/step
>2117, dr[0.659,0.438], df[0.526,0.032], g[1.341,0.048]
1/1 [=====] - 0s 77ms/step
>2118, dr[0.502,0.619], df[0.516,0.034], g[1.295,0.037]
1/1 [=====] - 0s 82ms/step
>2119, dr[0.455,0.317], df[0.455,0.036], g[1.441,0.041]
1/1 [=====] - 0s 79ms/step
>2120, dr[0.592,0.833], df[0.514,0.025], g[1.156,0.040]
1/1 [=====] - 0s 81ms/step
>2121, dr[0.548,0.383], df[0.757,0.172], g[1.244,0.077]
1/1 [=====] - 0s 76ms/step
>2122, dr[0.570,0.370], df[0.435,0.138], g[1.314,0.024]
1/1 [=====] - 0s 91ms/step
>2123, dr[0.536,0.364], df[0.593,0.032], g[1.278,0.059]
1/1 [=====] - 0s 87ms/step
>2124, dr[0.654,0.754], df[0.620,0.041], g[1.379,0.074]
1/1 [=====] - 0s 96ms/step
>2125, dr[0.579,0.367], df[0.465,0.068], g[1.247,0.033]
1/1 [=====] - 0s 81ms/step
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>2126, dr[0.531,0.588], df[0.601,0.040], g[1.174,0.067]
1/1 [=====] - 0s 88ms/step
>2127, dr[0.536,0.784], df[0.520,0.015], g[1.336,0.062]
1/1 [=====] - 0s 79ms/step
>2128, dr[0.481,0.985], df[0.495,0.097], g[1.177,0.067]
1/1 [=====] - 0s 92ms/step
>2129, dr[0.567,0.389], df[0.565,0.091], g[1.665,0.027]
1/1 [=====] - 0s 94ms/step
>2130, dr[0.351,0.308], df[0.607,0.071], g[1.564,0.062]
1/1 [=====] - 0s 94ms/step
>2131, dr[0.741,0.920], df[0.422,0.038], g[1.358,0.045]
1/1 [=====] - 0s 89ms/step
>2132, dr[0.562,0.682], df[0.639,0.032], g[1.205,0.029]
1/1 [=====] - 0s 88ms/step
>2133, dr[0.432,0.629], df[0.506,0.056], g[1.312,0.071]
1/1 [=====] - 0s 103ms/step
>2134, dr[0.672,0.481], df[0.565,0.048], g[1.323,0.033]
1/1 [=====] - 0s 91ms/step
>2135, dr[0.545,0.558], df[0.740,0.056], g[1.217,0.096]
1/1 [=====] - 0s 107ms/step
>2136, dr[0.425,0.192], df[0.482,0.089], g[1.416,0.034]
1/1 [=====] - 0s 97ms/step
>2137, dr[0.528,0.471], df[0.555,0.046], g[1.071,0.029]
1/1 [=====] - 0s 91ms/step
>2138, dr[0.434,0.944], df[0.491,0.105], g[1.176,0.049]
1/1 [=====] - 0s 96ms/step
>2139, dr[0.539,0.443], df[0.619,0.022], g[1.226,0.071]
1/1 [=====] - 0s 87ms/step
>2140, dr[0.764,0.908], df[0.523,0.053], g[1.115,0.081]
1/1 [=====] - 0s 95ms/step
>2141, dr[0.688,0.274], df[0.860,0.035], g[1.206,0.032]
1/1 [=====] - 0s 113ms/step
>2142, dr[0.481,0.896], df[0.707,0.030], g[1.513,0.033]
1/1 [=====] - 0s 88ms/step
>2143, dr[0.696,0.411], df[0.663,0.042], g[1.424,0.045]
1/1 [=====] - 0s 108ms/step
>2144, dr[0.563,0.403], df[0.639,0.045], g[1.585,0.085]
1/1 [=====] - 0s 84ms/step
>2145, dr[0.803,0.461], df[0.558,0.038], g[1.092,0.054]
1/1 [=====] - 0s 94ms/step
>2146, dr[0.590,0.288], df[0.772,0.044], g[1.422,0.030]
1/1 [=====] - 0s 80ms/step
>2147, dr[0.498,0.519], df[0.501,0.067], g[1.438,0.049]
1/1 [=====] - 0s 79ms/step
>2148, dr[0.644,0.925], df[0.447,0.086], g[1.226,0.048]
1/1 [=====] - 0s 90ms/step
>2149, dr[0.440,0.587], df[0.421,0.069], g[1.330,0.033]
1/1 [=====] - 0s 92ms/step
>2150, dr[0.482,0.726], df[0.660,0.047], g[1.487,0.075]
1/1 [=====] - 0s 106ms/step
>2151, dr[0.590,0.406], df[0.571,0.129], g[1.161,0.069]
1/1 [=====] - 0s 91ms/step
>2152, dr[0.426,0.708], df[0.365,0.039], g[1.060,0.085]
1/1 [=====] - 0s 92ms/step
>2153, dr[0.619,0.425], df[0.612,0.053], g[1.227,0.039]
1/1 [=====] - 0s 93ms/step
>2154, dr[0.454,0.469], df[0.578,0.032], g[1.357,0.038]
1/1 [=====] - 0s 83ms/step
>2155, dr[0.481,0.390], df[0.533,0.061], g[1.402,0.028]
1/1 [=====] - 0s 87ms/step
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>2156, dr[0.658,0.277], df[0.729,0.052], g[1.223,0.033]
1/1 [=====] - 0s 80ms/step
>2157, dr[0.584,0.251], df[0.642,0.179], g[1.460,0.039]
1/1 [=====] - 0s 92ms/step
>2158, dr[0.600,0.896], df[0.400,0.057], g[1.308,0.121]
1/1 [=====] - 0s 87ms/step
>2159, dr[0.617,0.654], df[0.588,0.073], g[1.251,0.052]
1/1 [=====] - 0s 97ms/step
>2160, dr[0.348,0.784], df[0.630,0.084], g[1.518,0.043]
1/1 [=====] - 0s 90ms/step
>2161, dr[0.572,0.782], df[0.411,0.048], g[1.622,0.043]
1/1 [=====] - 0s 88ms/step
>2162, dr[0.803,0.454], df[0.569,0.101], g[1.223,0.113]
1/1 [=====] - 0s 84ms/step
>2163, dr[0.586,0.439], df[0.552,0.027], g[1.215,0.045]
1/1 [=====] - 0s 86ms/step
>2164, dr[0.488,0.613], df[0.706,0.039], g[1.206,0.037]
1/1 [=====] - 0s 91ms/step
>2165, dr[0.623,0.350], df[0.571,0.039], g[1.401,0.059]
1/1 [=====] - 0s 89ms/step
>2166, dr[0.491,0.286], df[0.646,0.099], g[1.284,0.061]
1/1 [=====] - 0s 90ms/step
>2167, dr[0.402,0.655], df[0.406,0.023], g[1.370,0.055]
1/1 [=====] - 0s 88ms/step
>2168, dr[0.730,0.520], df[0.640,0.069], g[1.225,0.043]
1/1 [=====] - 0s 86ms/step
>2169, dr[0.461,0.324], df[0.573,0.033], g[1.234,0.063]
1/1 [=====] - 0s 87ms/step
>2170, dr[0.647,0.746], df[0.765,0.034], g[1.366,0.063]
1/1 [=====] - 0s 87ms/step
>2171, dr[0.640,0.711], df[0.532,0.061], g[1.181,0.094]
1/1 [=====] - 0s 85ms/step
>2172, dr[0.840,0.877], df[0.708,0.058], g[1.392,0.036]
1/1 [=====] - 0s 92ms/step
>2173, dr[0.656,0.366], df[0.468,0.058], g[1.099,0.069]
1/1 [=====] - 0s 99ms/step
>2174, dr[0.571,0.588], df[0.672,0.100], g[1.298,0.062]
1/1 [=====] - 0s 87ms/step
>2175, dr[0.534,0.516], df[0.590,0.103], g[1.360,0.074]
1/1 [=====] - 0s 94ms/step
>2176, dr[0.409,0.787], df[0.531,0.070], g[1.221,0.076]
1/1 [=====] - 0s 90ms/step
>2177, dr[0.706,0.891], df[0.572,0.028], g[1.111,0.073]
1/1 [=====] - 0s 82ms/step
>2178, dr[0.544,0.465], df[0.691,0.031], g[0.972,0.034]
1/1 [=====] - 0s 81ms/step
>2179, dr[0.455,0.607], df[0.803,0.054], g[1.297,0.075]
1/1 [=====] - 0s 92ms/step
>2180, dr[0.834,0.884], df[0.582,0.049], g[1.191,0.056]
1/1 [=====] - 0s 85ms/step
>2181, dr[0.580,0.504], df[0.524,0.046], g[1.141,0.055]
1/1 [=====] - 0s 83ms/step
>2182, dr[0.602,0.412], df[0.410,0.058], g[1.033,0.030]
1/1 [=====] - 0s 85ms/step
>2183, dr[0.391,0.409], df[0.813,0.064], g[1.077,0.032]
1/1 [=====] - 0s 81ms/step
>2184, dr[0.517,0.501], df[0.468,0.065], g[1.139,0.061]
1/1 [=====] - 0s 97ms/step
>2185, dr[0.466,0.482], df[0.749,0.054], g[1.225,0.080]
1/1 [=====] - 0s 95ms/step
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>2186, dr[0.467,0.346], df[0.649,0.044], g[1.411,0.058]
1/1 [=====] - 0s 90ms/step
>2187, dr[0.630,0.241], df[0.624,0.067], g[1.639,0.030]
1/1 [=====] - 0s 149ms/step
>2188, dr[0.621,0.481], df[0.425,0.076], g[1.306,0.062]
1/1 [=====] - 0s 89ms/step
>2189, dr[0.523,0.527], df[0.522,0.132], g[1.233,0.044]
1/1 [=====] - 0s 89ms/step
>2190, dr[0.562,0.655], df[0.398,0.072], g[1.219,0.032]
1/1 [=====] - 0s 95ms/step
>2191, dr[0.508,0.426], df[0.666,0.076], g[1.315,0.054]
1/1 [=====] - 0s 120ms/step
>2192, dr[0.507,0.566], df[0.464,0.037], g[1.235,0.033]
1/1 [=====] - 0s 77ms/step
>2193, dr[0.588,0.482], df[0.624,0.048], g[1.183,0.075]
1/1 [=====] - 0s 105ms/step
>2194, dr[0.590,0.958], df[0.684,0.088], g[1.303,0.076]
1/1 [=====] - 0s 90ms/step
>2195, dr[0.650,0.480], df[0.606,0.049], g[1.189,0.043]
1/1 [=====] - 0s 91ms/step
>2196, dr[0.663,0.823], df[0.670,0.080], g[1.177,0.065]
1/1 [=====] - 0s 92ms/step
>2197, dr[0.611,0.709], df[0.657,0.028], g[1.284,0.056]
1/1 [=====] - 0s 92ms/step
>2198, dr[0.499,0.866], df[0.530,0.035], g[1.234,0.192]
1/1 [=====] - 0s 85ms/step
>2199, dr[0.568,0.401], df[0.594,0.082], g[1.014,0.103]
1/1 [=====] - 0s 84ms/step
>2200, dr[0.443,0.563], df[0.487,0.019], g[1.276,0.113]
1/1 [=====] - 0s 82ms/step
>2201, dr[0.545,0.315], df[0.529,0.092], g[1.266,0.071]
1/1 [=====] - 0s 86ms/step
>2202, dr[0.451,0.478], df[0.656,0.076], g[1.248,0.142]
1/1 [=====] - 0s 82ms/step
>2203, dr[0.611,0.429], df[0.430,0.065], g[1.355,0.123]
1/1 [=====] - 0s 80ms/step
>2204, dr[0.475,0.552], df[0.527,0.112], g[1.288,0.084]
1/1 [=====] - 0s 82ms/step
>2205, dr[0.685,0.451], df[0.514,0.052], g[1.300,0.056]
1/1 [=====] - 0s 80ms/step
>2206, dr[0.610,0.461], df[0.466,0.040], g[1.278,0.088]
1/1 [=====] - 0s 81ms/step
>2207, dr[0.423,0.602], df[0.683,0.040], g[1.274,0.032]
1/1 [=====] - 0s 84ms/step
>2208, dr[0.593,0.511], df[0.664,0.028], g[1.212,0.072]
1/1 [=====] - 0s 98ms/step
>2209, dr[0.392,0.494], df[0.555,0.068], g[1.357,0.063]
1/1 [=====] - 0s 87ms/step
>2210, dr[0.628,0.366], df[0.442,0.037], g[1.456,0.073]
1/1 [=====] - 0s 80ms/step
>2211, dr[0.524,0.544], df[0.511,0.105], g[1.246,0.059]
1/1 [=====] - 0s 90ms/step
>2212, dr[0.629,0.548], df[0.513,0.092], g[1.163,0.065]
1/1 [=====] - 0s 79ms/step
>2213, dr[0.423,0.898], df[0.614,0.048], g[1.388,0.098]
1/1 [=====] - 0s 90ms/step
>2214, dr[0.559,0.666], df[0.711,0.073], g[1.363,0.080]
1/1 [=====] - 0s 90ms/step
>2215, dr[0.450,0.321], df[0.361,0.046], g[1.568,0.100]
1/1 [=====] - 0s 85ms/step
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>2216, dr[0.602,0.721], df[0.566,0.029], g[1.215,0.109]
1/1 [=====] - 0s 86ms/step
>2217, dr[0.503,0.415], df[0.405,0.081], g[1.279,0.095]
1/1 [=====] - 0s 76ms/step
>2218, dr[0.560,0.666], df[0.712,0.052], g[1.166,0.090]
1/1 [=====] - 0s 83ms/step
>2219, dr[0.483,0.420], df[0.656,0.076], g[1.334,0.053]
1/1 [=====] - 0s 76ms/step
>2220, dr[0.573,0.442], df[0.462,0.077], g[1.354,0.053]
1/1 [=====] - 0s 84ms/step
>2221, dr[0.649,0.186], df[0.561,0.025], g[1.101,0.107]
1/1 [=====] - 0s 83ms/step
>2222, dr[0.421,0.396], df[0.839,0.076], g[1.256,0.075]
1/1 [=====] - 0s 84ms/step
>2223, dr[0.465,0.475], df[0.624,0.027], g[1.232,0.046]
1/1 [=====] - 0s 82ms/step
>2224, dr[0.565,0.526], df[0.433,0.057], g[1.369,0.029]
1/1 [=====] - 0s 86ms/step
>2225, dr[0.395,0.378], df[0.561,0.038], g[1.522,0.054]
1/1 [=====] - 0s 79ms/step
>2226, dr[0.378,0.181], df[0.363,0.104], g[1.521,0.062]
1/1 [=====] - 0s 83ms/step
>2227, dr[0.745,0.394], df[0.652,0.064], g[1.369,0.066]
1/1 [=====] - 0s 79ms/step
>2228, dr[0.663,0.468], df[0.524,0.032], g[1.260,0.047]
1/1 [=====] - 0s 82ms/step
>2229, dr[0.605,0.555], df[0.529,0.115], g[1.070,0.047]
1/1 [=====] - 0s 77ms/step
>2230, dr[0.671,0.776], df[0.631,0.121], g[1.193,0.046]
1/1 [=====] - 0s 83ms/step
>2231, dr[0.739,0.246], df[0.512,0.060], g[1.205,0.048]
1/1 [=====] - 0s 82ms/step
>2232, dr[0.565,0.595], df[0.712,0.115], g[1.139,0.039]
1/1 [=====] - 0s 82ms/step
>2233, dr[0.511,0.426], df[0.606,0.145], g[1.205,0.060]
1/1 [=====] - 0s 81ms/step
>2234, dr[0.514,0.624], df[0.544,0.025], g[1.291,0.035]
1/1 [=====] - 0s 79ms/step
>2235, dr[0.605,0.590], df[0.449,0.035], g[1.220,0.050]
1/1 [=====] - 0s 81ms/step
>2236, dr[0.439,0.314], df[0.749,0.140], g[1.140,0.056]
1/1 [=====] - 0s 87ms/step
>2237, dr[0.490,0.264], df[0.477,0.049], g[1.148,0.049]
1/1 [=====] - 0s 79ms/step
>2238, dr[0.534,0.623], df[0.773,0.028], g[1.220,0.113]
1/1 [=====] - 0s 77ms/step
>2239, dr[0.406,0.485], df[0.661,0.060], g[1.543,0.060]
1/1 [=====] - 0s 81ms/step
>2240, dr[0.524,0.435], df[0.447,0.045], g[1.371,0.093]
1/1 [=====] - 0s 79ms/step
>2241, dr[0.758,0.616], df[0.514,0.037], g[1.574,0.034]
1/1 [=====] - 0s 79ms/step
>2242, dr[0.612,0.812], df[0.460,0.106], g[1.185,0.067]
1/1 [=====] - 0s 82ms/step
>2243, dr[0.403,0.812], df[0.600,0.068], g[1.111,0.054]
1/1 [=====] - 0s 83ms/step
>2244, dr[0.437,0.773], df[0.524,0.052], g[1.132,0.028]
1/1 [=====] - 0s 79ms/step
>2245, dr[0.437,0.233], df[0.512,0.175], g[1.398,0.045]
1/1 [=====] - 0s 86ms/step
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>2246, dr[0.748,0.475], df[0.533,0.062], g[1.117,0.064]
1/1 [=====] - 0s 78ms/step
>2247, dr[0.447,0.607], df[0.544,0.035], g[1.080,0.082]
1/1 [=====] - 0s 85ms/step
>2248, dr[0.574,0.612], df[0.679,0.035], g[1.217,0.028]
1/1 [=====] - 0s 77ms/step
>2249, dr[0.503,0.603], df[0.679,0.030], g[1.351,0.051]
1/1 [=====] - 0s 85ms/step
>2250, dr[0.634,0.773], df[0.659,0.022], g[1.112,0.027]
1/1 [=====] - 0s 81ms/step
>2251, dr[0.599,1.065], df[0.501,0.087], g[1.110,0.049]
1/1 [=====] - 0s 91ms/step
>2252, dr[0.569,1.285], df[0.699,0.032], g[1.039,0.047]
1/1 [=====] - 0s 83ms/step
>2253, dr[0.596,0.597], df[0.695,0.045], g[1.244,0.121]
1/1 [=====] - 0s 75ms/step
>2254, dr[0.672,0.887], df[0.677,0.100], g[1.270,0.034]
1/1 [=====] - 0s 78ms/step
>2255, dr[0.428,0.367], df[0.499,0.086], g[1.335,0.092]
1/1 [=====] - 0s 85ms/step
>2256, dr[0.591,0.555], df[0.536,0.067], g[1.339,0.037]
1/1 [=====] - 0s 82ms/step
>2257, dr[0.663,0.744], df[0.616,0.048], g[1.287,0.047]
1/1 [=====] - 0s 77ms/step
>2258, dr[0.459,0.493], df[0.526,0.044], g[1.095,0.063]
1/1 [=====] - 0s 87ms/step
>2259, dr[0.392,0.720], df[0.646,0.059], g[1.323,0.051]
1/1 [=====] - 0s 76ms/step
>2260, dr[0.505,0.321], df[0.704,0.084], g[1.276,0.045]
1/1 [=====] - 0s 88ms/step
>2261, dr[0.624,0.530], df[0.474,0.031], g[1.128,0.068]
1/1 [=====] - 0s 76ms/step
>2262, dr[0.519,0.656], df[0.483,0.026], g[1.172,0.067]
1/1 [=====] - 0s 86ms/step
>2263, dr[0.651,0.150], df[0.571,0.079], g[1.491,0.035]
1/1 [=====] - 0s 77ms/step
>2264, dr[0.566,0.374], df[0.674,0.089], g[1.467,0.073]
1/1 [=====] - 0s 82ms/step
>2265, dr[0.672,0.541], df[0.594,0.039], g[1.386,0.032]
1/1 [=====] - 0s 77ms/step
>2266, dr[0.674,0.737], df[0.572,0.082], g[1.241,0.098]
1/1 [=====] - 0s 82ms/step
>2267, dr[0.516,0.589], df[0.571,0.109], g[1.161,0.079]
1/1 [=====] - 0s 78ms/step
>2268, dr[0.547,0.447], df[0.457,0.084], g[1.236,0.037]
1/1 [=====] - 0s 79ms/step
>2269, dr[0.540,0.633], df[0.594,0.082], g[1.171,0.069]
1/1 [=====] - 0s 78ms/step
>2270, dr[0.519,0.289], df[0.399,0.049], g[1.402,0.065]
1/1 [=====] - 0s 79ms/step
>2271, dr[0.550,0.359], df[0.499,0.023], g[1.156,0.052]
1/1 [=====] - 0s 76ms/step
>2272, dr[0.438,0.663], df[0.471,0.048], g[1.278,0.055]
1/1 [=====] - 0s 81ms/step
>2273, dr[0.427,0.585], df[0.603,0.130], g[1.070,0.059]
1/1 [=====] - 0s 78ms/step
>2274, dr[0.473,0.696], df[0.617,0.045], g[1.410,0.038]
1/1 [=====] - 0s 81ms/step
>2275, dr[0.531,0.581], df[0.403,0.068], g[1.347,0.046]
1/1 [=====] - 0s 87ms/step
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>2276, dr[0.593,0.768], df[0.378,0.055], g[1.333,0.070]
1/1 [=====] - 0s 87ms/step
>2277, dr[0.540,0.569], df[0.591,0.061], g[1.339,0.043]
1/1 [=====] - 0s 82ms/step
>2278, dr[0.454,0.753], df[0.649,0.074], g[1.346,0.072]
1/1 [=====] - 0s 83ms/step
>2279, dr[0.801,0.630], df[0.677,0.057], g[1.190,0.037]
1/1 [=====] - 0s 86ms/step
>2280, dr[0.563,0.506], df[0.493,0.088], g[1.269,0.084]
1/1 [=====] - 0s 85ms/step
>2281, dr[0.414,0.583], df[0.565,0.037], g[1.483,0.132]
1/1 [=====] - 0s 89ms/step
>2282, dr[0.512,0.479], df[0.490,0.139], g[1.270,0.037]
1/1 [=====] - 0s 86ms/step
>2283, dr[0.534,0.621], df[0.486,0.138], g[1.439,0.035]
1/1 [=====] - 0s 89ms/step
>2284, dr[0.582,0.629], df[0.423,0.035], g[1.144,0.038]
1/1 [=====] - 0s 94ms/step
>2285, dr[0.558,0.471], df[0.502,0.020], g[1.173,0.037]
1/1 [=====] - 0s 87ms/step
>2286, dr[0.376,0.762], df[0.576,0.052], g[1.140,0.089]
1/1 [=====] - 0s 88ms/step
>2287, dr[0.488,0.672], df[0.645,0.023], g[1.143,0.070]
1/1 [=====] - 0s 87ms/step
>2288, dr[0.604,0.606], df[0.580,0.124], g[1.285,0.116]
1/1 [=====] - 0s 90ms/step
>2289, dr[0.516,0.444], df[0.599,0.055], g[1.309,0.040]
1/1 [=====] - 0s 82ms/step
>2290, dr[0.497,0.599], df[0.485,0.057], g[1.306,0.078]
1/1 [=====] - 0s 91ms/step
>2291, dr[0.542,0.416], df[0.648,0.044], g[1.193,0.070]
1/1 [=====] - 0s 88ms/step
>2292, dr[0.490,0.566], df[0.461,0.073], g[1.314,0.034]
1/1 [=====] - 0s 91ms/step
>2293, dr[0.563,0.549], df[0.563,0.028], g[1.257,0.050]
1/1 [=====] - 0s 81ms/step
>2294, dr[0.487,0.409], df[0.411,0.071], g[1.382,0.073]
1/1 [=====] - 0s 93ms/step
>2295, dr[0.696,0.435], df[0.514,0.025], g[1.323,0.019]
1/1 [=====] - 0s 90ms/step
>2296, dr[0.514,0.501], df[0.474,0.033], g[1.247,0.069]
1/1 [=====] - 0s 95ms/step
>2297, dr[0.537,0.459], df[0.504,0.022], g[1.292,0.051]
1/1 [=====] - 0s 86ms/step
>2298, dr[0.620,0.574], df[0.825,0.064], g[1.189,0.063]
1/1 [=====] - 0s 100ms/step
>2299, dr[0.553,0.405], df[0.613,0.054], g[1.302,0.061]
1/1 [=====] - 0s 86ms/step
>2300, dr[0.551,0.822], df[0.753,0.055], g[1.295,0.082]
1/1 [=====] - 0s 93ms/step
>2301, dr[0.645,0.469], df[0.569,0.036], g[1.146,0.046]
1/1 [=====] - 0s 85ms/step
>2302, dr[0.584,0.703], df[0.468,0.040], g[1.197,0.049]
1/1 [=====] - 0s 115ms/step
>2303, dr[0.405,0.261], df[0.408,0.021], g[1.013,0.045]
1/1 [=====] - 0s 96ms/step
>2304, dr[0.411,0.542], df[0.673,0.090], g[1.226,0.025]
1/1 [=====] - 0s 80ms/step
>2305, dr[0.501,0.607], df[0.782,0.105], g[1.063,0.054]
1/1 [=====] - 0s 115ms/step
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>2306, dr[0.438,0.336], df[0.524,0.078], g[1.595,0.102]
1/1 [=====] - 0s 82ms/step
>2307, dr[0.696,0.257], df[0.447,0.061], g[1.439,0.081]
1/1 [=====] - 0s 86ms/step
>2308, dr[0.408,0.571], df[0.625,0.067], g[1.527,0.038]
1/1 [=====] - 0s 78ms/step
>2309, dr[0.768,0.742], df[0.615,0.057], g[1.452,0.071]
1/1 [=====] - 0s 81ms/step
>2310, dr[0.689,0.483], df[0.703,0.076], g[1.175,0.046]
1/1 [=====] - 0s 77ms/step
>2311, dr[0.562,0.300], df[0.588,0.037], g[1.582,0.056]
1/1 [=====] - 0s 79ms/step
>2312, dr[0.570,0.348], df[0.526,0.021], g[1.612,0.096]
1/1 [=====] - 0s 79ms/step
>2313, dr[0.720,0.364], df[0.570,0.062], g[1.273,0.055]
1/1 [=====] - 0s 80ms/step
>2314, dr[0.433,1.068], df[0.415,0.046], g[1.427,0.061]
1/1 [=====] - 0s 85ms/step
>2315, dr[0.402,0.487], df[0.667,0.168], g[1.372,0.053]
1/1 [=====] - 0s 83ms/step
>2316, dr[0.478,0.473], df[0.608,0.089], g[1.425,0.048]
1/1 [=====] - 0s 80ms/step
>2317, dr[0.532,0.388], df[0.632,0.037], g[1.213,0.072]
1/1 [=====] - 0s 79ms/step
>2318, dr[0.695,0.614], df[0.421,0.049], g[1.425,0.055]
1/1 [=====] - 0s 83ms/step
>2319, dr[0.708,0.810], df[0.595,0.091], g[1.220,0.050]
1/1 [=====] - 0s 89ms/step
>2320, dr[0.502,0.723], df[0.723,0.110], g[1.189,0.067]
1/1 [=====] - 0s 92ms/step
>2321, dr[0.384,0.586], df[0.462,0.053], g[1.096,0.047]
1/1 [=====] - 0s 93ms/step
>2322, dr[0.708,0.725], df[0.564,0.017], g[1.235,0.134]
1/1 [=====] - 0s 91ms/step
>2323, dr[0.520,0.492], df[0.568,0.078], g[1.181,0.050]
1/1 [=====] - 0s 85ms/step
>2324, dr[0.485,0.821], df[0.510,0.059], g[1.223,0.036]
1/1 [=====] - 0s 90ms/step
>2325, dr[0.644,0.382], df[0.477,0.047], g[1.047,0.028]
1/1 [=====] - 0s 87ms/step
>2326, dr[0.582,0.648], df[0.516,0.025], g[1.069,0.046]
1/1 [=====] - 0s 75ms/step
>2327, dr[0.403,0.592], df[0.540,0.054], g[1.256,0.053]
1/1 [=====] - 0s 76ms/step
>2328, dr[0.410,0.330], df[0.465,0.040], g[1.359,0.044]
1/1 [=====] - 0s 85ms/step
>2329, dr[0.462,0.452], df[0.676,0.067], g[1.247,0.043]
1/1 [=====] - 0s 97ms/step
>2330, dr[0.439,0.403], df[0.533,0.147], g[1.461,0.079]
1/1 [=====] - 0s 84ms/step
>2331, dr[0.479,0.633], df[0.463,0.042], g[1.489,0.063]
1/1 [=====] - 0s 88ms/step
>2332, dr[0.591,0.353], df[0.446,0.038], g[1.488,0.033]
1/1 [=====] - 0s 85ms/step
>2333, dr[0.590,0.505], df[0.574,0.101], g[1.385,0.072]
1/1 [=====] - 0s 87ms/step
>2334, dr[0.587,0.546], df[0.504,0.106], g[1.328,0.052]
1/1 [=====] - 0s 86ms/step
>2335, dr[0.736,0.452], df[0.821,0.076], g[1.275,0.070]
1/1 [=====] - 0s 81ms/step
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>2336, dr[0.441,0.458], df[0.501,0.109], g[1.380,0.049]
1/1 [=====] - 0s 80ms/step
>2337, dr[0.601,0.514], df[0.439,0.041], g[1.254,0.045]
1/1 [=====] - 0s 80ms/step
>2338, dr[0.475,0.431], df[0.597,0.062], g[1.444,0.028]
1/1 [=====] - 0s 85ms/step
>2339, dr[0.460,0.413], df[0.570,0.078], g[1.287,0.055]
1/1 [=====] - 0s 86ms/step
>2340, dr[0.407,0.662], df[0.599,0.038], g[1.214,0.047]
1/1 [=====] - 0s 86ms/step
>2341, dr[0.606,0.966], df[0.587,0.026], g[1.398,0.084]
1/1 [=====] - 0s 81ms/step
>2342, dr[0.474,0.580], df[0.497,0.110], g[1.585,0.042]
1/1 [=====] - 0s 91ms/step
>2343, dr[0.682,0.708], df[0.503,0.035], g[1.273,0.050]
1/1 [=====] - 0s 78ms/step
>2344, dr[0.466,0.559], df[0.560,0.050], g[1.391,0.063]
1/1 [=====] - 0s 86ms/step
>2345, dr[0.794,0.902], df[0.499,0.043], g[1.181,0.120]
1/1 [=====] - 0s 80ms/step
>2346, dr[0.670,0.425], df[0.515,0.078], g[1.559,0.121]
1/1 [=====] - 0s 85ms/step
>2347, dr[0.669,0.667], df[0.643,0.053], g[1.404,0.077]
1/1 [=====] - 0s 90ms/step
>2348, dr[0.745,0.205], df[0.493,0.060], g[1.037,0.064]
1/1 [=====] - 0s 80ms/step
>2349, dr[0.510,0.996], df[0.841,0.068], g[1.099,0.057]
1/1 [=====] - 0s 78ms/step
>2350, dr[0.487,0.589], df[0.902,0.078], g[1.162,0.069]
1/1 [=====] - 0s 79ms/step
>2351, dr[0.539,0.727], df[0.618,0.047], g[1.436,0.054]
1/1 [=====] - 0s 82ms/step
>2352, dr[0.588,0.580], df[0.726,0.079], g[1.159,0.084]
1/1 [=====] - 0s 92ms/step
>2353, dr[0.543,0.333], df[0.479,0.038], g[1.278,0.078]
1/1 [=====] - 0s 96ms/step
>2354, dr[0.526,0.635], df[0.489,0.046], g[1.373,0.057]
1/1 [=====] - 0s 90ms/step
>2355, dr[0.613,0.874], df[0.545,0.046], g[1.249,0.087]
1/1 [=====] - 0s 96ms/step
>2356, dr[0.462,0.368], df[0.582,0.111], g[1.431,0.111]
1/1 [=====] - 0s 85ms/step
>2357, dr[0.623,0.502], df[0.420,0.061], g[1.624,0.051]
1/1 [=====] - 0s 89ms/step
>2358, dr[0.626,0.940], df[0.577,0.056], g[1.383,0.043]
1/1 [=====] - 0s 88ms/step
>2359, dr[0.471,0.364], df[0.646,0.066], g[1.349,0.055]
1/1 [=====] - 0s 91ms/step
>2360, dr[0.444,0.628], df[0.662,0.048], g[1.500,0.066]
1/1 [=====] - 0s 83ms/step
>2361, dr[0.713,0.632], df[0.475,0.044], g[1.547,0.062]
1/1 [=====] - 0s 94ms/step
>2362, dr[0.502,0.513], df[0.630,0.029], g[1.439,0.039]
1/1 [=====] - 0s 90ms/step
>2363, dr[0.706,1.001], df[0.444,0.045], g[1.083,0.094]
1/1 [=====] - 0s 87ms/step
>2364, dr[0.585,0.324], df[0.558,0.038], g[1.293,0.050]
1/1 [=====] - 0s 101ms/step
>2365, dr[0.466,0.368], df[0.541,0.019], g[1.229,0.099]
1/1 [=====] - 0s 88ms/step
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>2366, dr[0.551,0.457], df[0.684,0.074], g[1.256,0.077]
1/1 [=====] - 0s 87ms/step
>2367, dr[0.688,0.557], df[0.619,0.050], g[1.118,0.052]
1/1 [=====] - 0s 88ms/step
>2368, dr[0.486,0.726], df[0.594,0.034], g[1.419,0.034]
1/1 [=====] - 0s 98ms/step
>2369, dr[0.523,0.634], df[0.417,0.107], g[1.206,0.064]
1/1 [=====] - 0s 93ms/step
>2370, dr[0.426,0.182], df[0.594,0.055], g[1.260,0.055]
1/1 [=====] - 0s 94ms/step
>2371, dr[0.662,0.344], df[0.693,0.049], g[1.234,0.051]
1/1 [=====] - 0s 92ms/step
>2372, dr[0.577,0.434], df[0.538,0.071], g[1.231,0.091]
1/1 [=====] - 0s 83ms/step
>2373, dr[0.525,0.497], df[0.571,0.030], g[1.127,0.050]
1/1 [=====] - 0s 89ms/step
>2374, dr[0.551,0.479], df[0.583,0.125], g[1.155,0.072]
1/1 [=====] - 0s 90ms/step
>2375, dr[0.632,0.498], df[0.695,0.052], g[1.329,0.059]
1/1 [=====] - 0s 91ms/step
>2376, dr[0.610,0.720], df[0.577,0.054], g[1.180,0.042]
1/1 [=====] - 0s 87ms/step
>2377, dr[0.676,0.360], df[0.566,0.026], g[1.140,0.065]
1/1 [=====] - 0s 85ms/step
>2378, dr[0.450,0.502], df[0.500,0.057], g[1.333,0.058]
1/1 [=====] - 0s 90ms/step
>2379, dr[0.567,0.396], df[0.676,0.083], g[1.215,0.052]
1/1 [=====] - 0s 85ms/step
>2380, dr[0.878,0.511], df[0.510,0.072], g[1.334,0.039]
1/1 [=====] - 0s 91ms/step
>2381, dr[0.312,0.489], df[0.533,0.087], g[1.294,0.073]
1/1 [=====] - 0s 88ms/step
>2382, dr[0.583,0.612], df[0.609,0.043], g[1.461,0.049]
1/1 [=====] - 0s 100ms/step
>2383, dr[0.524,0.669], df[0.617,0.057], g[1.093,0.077]
1/1 [=====] - 0s 95ms/step
>2384, dr[0.500,0.387], df[0.599,0.064], g[1.207,0.058]
1/1 [=====] - 0s 88ms/step
>2385, dr[0.454,0.430], df[0.347,0.035], g[1.257,0.081]
1/1 [=====] - 0s 99ms/step
>2386, dr[0.669,0.286], df[0.551,0.091], g[1.167,0.050]
1/1 [=====] - 0s 96ms/step
>2387, dr[0.545,0.553], df[0.836,0.050], g[1.244,0.058]
1/1 [=====] - 0s 93ms/step
>2388, dr[0.444,0.329], df[0.539,0.063], g[1.365,0.093]
1/1 [=====] - 0s 87ms/step
>2389, dr[0.564,0.665], df[0.527,0.022], g[1.247,0.044]
1/1 [=====] - 0s 89ms/step
>2390, dr[0.745,0.384], df[0.500,0.047], g[1.279,0.045]
1/1 [=====] - 0s 96ms/step
>2391, dr[0.513,0.543], df[0.571,0.064], g[1.280,0.054]
1/1 [=====] - 0s 96ms/step
>2392, dr[0.489,0.567], df[0.552,0.034], g[1.353,0.095]
1/1 [=====] - 0s 98ms/step
>2393, dr[0.600,0.532], df[0.596,0.073], g[1.299,0.067]
1/1 [=====] - 0s 87ms/step
>2394, dr[0.471,0.310], df[0.537,0.025], g[1.403,0.028]
1/1 [=====] - 0s 90ms/step
>2395, dr[0.573,0.585], df[0.532,0.061], g[1.435,0.073]
1/1 [=====] - 0s 85ms/step
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>2396, dr[0.472,0.659], df[0.532,0.058], g[1.160,0.076]
1/1 [=====] - 0s 89ms/step
>2397, dr[0.638,0.327], df[0.541,0.044], g[1.268,0.087]
1/1 [=====] - 0s 87ms/step
>2398, dr[0.557,0.555], df[0.609,0.022], g[1.011,0.050]
1/1 [=====] - 0s 87ms/step
>2399, dr[0.473,0.570], df[0.544,0.063], g[1.048,0.028]
1/1 [=====] - 0s 92ms/step
>2400, dr[0.645,0.517], df[0.870,0.050], g[1.272,0.053]
1/1 [=====] - 0s 86ms/step
>2401, dr[0.609,0.427], df[0.555,0.055], g[1.263,0.079]
1/1 [=====] - 0s 93ms/step
>2402, dr[0.631,0.468], df[0.831,0.039], g[1.080,0.051]
1/1 [=====] - 0s 90ms/step
>2403, dr[0.523,0.299], df[0.499,0.087], g[1.429,0.084]
1/1 [=====] - 0s 94ms/step
>2404, dr[0.676,0.747], df[0.788,0.130], g[1.528,0.036]
1/1 [=====] - 0s 96ms/step
>2405, dr[0.465,0.965], df[0.480,0.045], g[1.216,0.047]
1/1 [=====] - 0s 89ms/step
>2406, dr[0.721,0.512], df[0.623,0.037], g[1.194,0.028]
1/1 [=====] - 0s 78ms/step
>2407, dr[0.429,0.442], df[0.465,0.061], g[1.391,0.062]
1/1 [=====] - 0s 83ms/step
>2408, dr[0.536,0.496], df[0.512,0.048], g[1.241,0.033]
1/1 [=====] - 0s 88ms/step
>2409, dr[0.593,0.907], df[0.639,0.106], g[1.155,0.043]
1/1 [=====] - 0s 80ms/step
>2410, dr[0.641,0.773], df[0.694,0.066], g[1.224,0.048]
1/1 [=====] - 0s 90ms/step
>2411, dr[0.809,0.291], df[0.572,0.032], g[1.259,0.057]
1/1 [=====] - 0s 84ms/step
>2412, dr[0.476,0.513], df[0.563,0.032], g[1.267,0.058]
1/1 [=====] - 0s 85ms/step
>2413, dr[0.539,0.501], df[0.536,0.098], g[1.309,0.062]
1/1 [=====] - 0s 81ms/step
>2414, dr[0.512,0.756], df[0.601,0.034], g[1.214,0.093]
1/1 [=====] - 0s 82ms/step
>2415, dr[0.478,0.523], df[0.555,0.065], g[1.084,0.103]
1/1 [=====] - 0s 79ms/step
>2416, dr[0.436,0.520], df[0.747,0.016], g[1.240,0.040]
1/1 [=====] - 0s 79ms/step
>2417, dr[0.536,0.680], df[0.432,0.039], g[1.276,0.108]
1/1 [=====] - 0s 80ms/step
>2418, dr[0.697,0.403], df[0.527,0.034], g[1.372,0.082]
1/1 [=====] - 0s 80ms/step
>2419, dr[0.580,0.533], df[0.552,0.202], g[1.161,0.048]
1/1 [=====] - 0s 81ms/step
>2420, dr[0.627,0.606], df[0.702,0.106], g[1.258,0.068]
1/1 [=====] - 0s 84ms/step
>2421, dr[0.527,0.721], df[0.591,0.066], g[1.325,0.083]
1/1 [=====] - 0s 90ms/step
>2422, dr[0.463,0.746], df[0.491,0.039], g[1.557,0.053]
1/1 [=====] - 0s 83ms/step
>2423, dr[0.644,0.697], df[0.600,0.044], g[1.321,0.034]
1/1 [=====] - 0s 91ms/step
>2424, dr[0.498,0.519], df[0.644,0.053], g[1.283,0.079]
1/1 [=====] - 0s 86ms/step
>2425, dr[0.541,0.598], df[0.546,0.068], g[1.274,0.041]
1/1 [=====] - 0s 91ms/step
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>2426, dr[0.574,0.484], df[0.472,0.032], g[1.448,0.042]
1/1 [=====] - 0s 83ms/step
>2427, dr[0.504,0.453], df[0.335,0.036], g[1.167,0.050]
1/1 [=====] - 0s 95ms/step
>2428, dr[0.584,0.324], df[0.600,0.040], g[1.135,0.035]
1/1 [=====] - 0s 89ms/step
>2429, dr[0.625,0.865], df[0.826,0.081], g[1.323,0.046]
1/1 [=====] - 0s 98ms/step
>2430, dr[0.528,0.634], df[0.670,0.087], g[1.297,0.042]
1/1 [=====] - 0s 88ms/step
>2431, dr[0.676,0.436], df[0.547,0.100], g[1.493,0.050]
1/1 [=====] - 0s 89ms/step
>2432, dr[0.637,0.251], df[0.566,0.054], g[1.215,0.045]
1/1 [=====] - 0s 102ms/step
>2433, dr[0.556,0.593], df[0.633,0.116], g[1.304,0.075]
1/1 [=====] - 0s 99ms/step
>2434, dr[0.569,0.705], df[0.580,0.046], g[1.249,0.030]
1/1 [=====] - 0s 92ms/step
>2435, dr[0.617,0.859], df[0.475,0.093], g[1.323,0.065]
1/1 [=====] - 0s 89ms/step
>2436, dr[0.615,0.389], df[0.539,0.064], g[1.039,0.052]
1/1 [=====] - 0s 101ms/step
>2437, dr[0.376,0.433], df[0.509,0.058], g[1.209,0.068]
1/1 [=====] - 0s 97ms/step
>2438, dr[0.763,0.655], df[0.841,0.131], g[1.119,0.047]
1/1 [=====] - 0s 102ms/step
>2439, dr[0.394,0.642], df[0.555,0.096], g[1.227,0.033]
1/1 [=====] - 0s 96ms/step
>2440, dr[0.519,0.325], df[0.508,0.089], g[1.215,0.059]
1/1 [=====] - 0s 97ms/step
>2441, dr[0.538,0.236], df[0.577,0.109], g[1.282,0.085]
1/1 [=====] - 0s 95ms/step
>2442, dr[0.687,0.505], df[1.032,0.103], g[1.165,0.105]
1/1 [=====] - 0s 91ms/step
>2443, dr[0.545,0.879], df[0.598,0.027], g[1.489,0.034]
1/1 [=====] - 0s 108ms/step
>2444, dr[0.502,0.442], df[0.538,0.048], g[1.230,0.033]
1/1 [=====] - 0s 96ms/step
>2445, dr[0.635,0.784], df[0.558,0.055], g[1.354,0.030]
1/1 [=====] - 0s 96ms/step
>2446, dr[0.559,0.388], df[0.565,0.052], g[1.092,0.092]
1/1 [=====] - 0s 111ms/step
>2447, dr[0.526,0.699], df[0.716,0.081], g[1.384,0.038]
1/1 [=====] - 0s 93ms/step
>2448, dr[0.613,0.427], df[0.574,0.145], g[1.367,0.035]
1/1 [=====] - 0s 86ms/step
>2449, dr[0.618,0.308], df[0.508,0.037], g[1.361,0.079]
1/1 [=====] - 0s 90ms/step
>2450, dr[0.557,0.466], df[0.524,0.063], g[1.218,0.054]
1/1 [=====] - 0s 86ms/step
>2451, dr[0.551,0.629], df[0.489,0.043], g[1.344,0.039]
1/1 [=====] - 0s 107ms/step
>2452, dr[0.605,0.296], df[0.531,0.037], g[1.282,0.049]
1/1 [=====] - 0s 105ms/step
>2453, dr[0.588,0.527], df[0.739,0.070], g[1.054,0.035]
1/1 [=====] - 0s 102ms/step
>2454, dr[0.408,0.478], df[0.552,0.046], g[1.246,0.042]
1/1 [=====] - 0s 104ms/step
>2455, dr[0.567,0.966], df[0.658,0.052], g[1.231,0.030]
1/1 [=====] - 0s 114ms/step
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>2456, dr[0.658,0.229], df[0.588,0.047], g[1.203,0.064]
1/1 [=====] - 0s 95ms/step
>2457, dr[0.570,0.585], df[0.740,0.051], g[1.360,0.049]
1/1 [=====] - 0s 105ms/step
>2458, dr[0.481,0.553], df[0.515,0.043], g[1.486,0.096]
1/1 [=====] - 0s 96ms/step
>2459, dr[0.734,0.644], df[0.541,0.069], g[1.313,0.050]
1/1 [=====] - 0s 108ms/step
>2460, dr[0.539,1.174], df[0.748,0.110], g[1.113,0.058]
1/1 [=====] - 0s 101ms/step
>2461, dr[0.486,0.337], df[0.506,0.065], g[1.439,0.039]
1/1 [=====] - 0s 86ms/step
>2462, dr[0.749,0.475], df[0.713,0.051], g[1.265,0.041]
1/1 [=====] - 0s 93ms/step
>2463, dr[0.446,0.393], df[0.458,0.048], g[0.978,0.105]
1/1 [=====] - 0s 86ms/step
>2464, dr[0.684,0.466], df[0.522,0.058], g[1.298,0.056]
1/1 [=====] - 0s 85ms/step
>2465, dr[0.479,0.309], df[0.753,0.135], g[1.242,0.058]
1/1 [=====] - 0s 79ms/step
>2466, dr[0.539,0.590], df[0.523,0.097], g[1.118,0.045]
1/1 [=====] - 0s 90ms/step
>2467, dr[0.600,0.643], df[0.521,0.053], g[1.192,0.082]
1/1 [=====] - 0s 92ms/step
>2468, dr[0.618,0.418], df[0.529,0.032], g[1.022,0.096]
1/1 [=====] - 0s 93ms/step
>2469, dr[0.614,0.673], df[0.670,0.045], g[1.183,0.058]
1/1 [=====] - 0s 91ms/step
>2470, dr[0.492,0.378], df[0.560,0.061], g[1.140,0.030]
1/1 [=====] - 0s 87ms/step
>2471, dr[0.632,0.851], df[0.582,0.090], g[1.250,0.067]
1/1 [=====] - 0s 96ms/step
>2472, dr[0.537,0.442], df[0.472,0.091], g[1.151,0.094]
1/1 [=====] - 0s 85ms/step
>2473, dr[0.559,0.475], df[0.628,0.056], g[1.354,0.120]
1/1 [=====] - 0s 88ms/step
>2474, dr[0.489,0.557], df[0.538,0.067], g[1.188,0.061]
1/1 [=====] - 0s 88ms/step
>2475, dr[0.428,1.144], df[0.497,0.046], g[1.356,0.068]
1/1 [=====] - 0s 87ms/step
>2476, dr[0.491,0.708], df[0.463,0.058], g[1.159,0.118]
1/1 [=====] - 0s 86ms/step
>2477, dr[0.735,0.821], df[0.504,0.082], g[1.165,0.039]
1/1 [=====] - 0s 84ms/step
>2478, dr[0.662,0.529], df[0.648,0.051], g[1.110,0.069]
1/1 [=====] - 0s 85ms/step
>2479, dr[0.490,0.425], df[0.531,0.037], g[0.950,0.079]
1/1 [=====] - 0s 80ms/step
>2480, dr[0.415,0.354], df[0.605,0.092], g[1.041,0.092]
1/1 [=====] - 0s 83ms/step
>2481, dr[0.508,0.431], df[0.566,0.095], g[1.175,0.074]
1/1 [=====] - 0s 82ms/step
>2482, dr[0.548,0.641], df[0.728,0.081], g[1.154,0.049]
1/1 [=====] - 0s 88ms/step
>2483, dr[0.715,0.355], df[0.457,0.044], g[1.133,0.069]
1/1 [=====] - 0s 81ms/step
>2484, dr[0.542,0.432], df[0.505,0.081], g[1.159,0.046]
1/1 [=====] - 0s 87ms/step
>2485, dr[0.544,0.693], df[0.571,0.077], g[1.309,0.052]
1/1 [=====] - 0s 79ms/step
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>2486, dr[0.800,0.957], df[0.576,0.042], g[1.221,0.063]
1/1 [=====] - 0s 86ms/step
>2487, dr[0.553,0.889], df[0.686,0.078], g[1.131,0.061]
1/1 [=====] - 0s 80ms/step
>2488, dr[0.434,0.543], df[0.509,0.020], g[0.945,0.059]
1/1 [=====] - 0s 83ms/step
>2489, dr[0.444,0.541], df[0.583,0.051], g[1.252,0.058]
1/1 [=====] - 0s 79ms/step
>2490, dr[0.777,0.274], df[0.383,0.038], g[1.176,0.064]
1/1 [=====] - 0s 78ms/step
>2491, dr[0.405,0.593], df[0.571,0.066], g[1.327,0.061]
1/1 [=====] - 0s 80ms/step
>2492, dr[0.496,0.936], df[0.666,0.103], g[1.201,0.099]
1/1 [=====] - 0s 80ms/step
>2493, dr[0.666,0.565], df[0.763,0.049], g[1.391,0.075]
1/1 [=====] - 0s 85ms/step
>2494, dr[0.469,0.494], df[0.520,0.074], g[1.393,0.068]
1/1 [=====] - 0s 83ms/step
>2495, dr[0.575,0.374], df[0.363,0.055], g[1.146,0.030]
1/1 [=====] - 0s 95ms/step
>2496, dr[0.684,0.789], df[0.460,0.079], g[1.101,0.108]
1/1 [=====] - 0s 90ms/step
>2497, dr[0.535,0.653], df[0.685,0.095], g[1.268,0.119]
1/1 [=====] - 0s 92ms/step
>2498, dr[0.565,0.401], df[0.841,0.106], g[1.139,0.071]
1/1 [=====] - 0s 89ms/step
>2499, dr[0.582,0.530], df[0.747,0.084], g[1.213,0.072]
1/1 [=====] - 0s 88ms/step
>2500, dr[0.415,0.268], df[0.539,0.046], g[1.445,0.083]
1/1 [=====] - 0s 83ms/step
>2501, dr[0.570,0.540], df[0.429,0.061], g[1.193,0.054]
1/1 [=====] - 0s 83ms/step
>2502, dr[0.734,0.585], df[0.571,0.124], g[1.179,0.033]
1/1 [=====] - 0s 82ms/step
>2503, dr[0.370,0.967], df[0.638,0.049], g[1.179,0.070]
1/1 [=====] - 0s 81ms/step
>2504, dr[0.828,0.472], df[0.538,0.034], g[1.005,0.074]
1/1 [=====] - 0s 82ms/step
>2505, dr[0.515,1.225], df[0.695,0.049], g[1.015,0.096]
1/1 [=====] - 0s 82ms/step
>2506, dr[0.496,0.341], df[0.711,0.083], g[1.172,0.055]
1/1 [=====] - 0s 92ms/step
>2507, dr[0.594,0.560], df[0.626,0.168], g[1.422,0.058]
1/1 [=====] - 0s 80ms/step
>2508, dr[0.705,0.834], df[0.639,0.118], g[1.053,0.093]
1/1 [=====] - 0s 93ms/step
>2509, dr[0.589,0.625], df[0.546,0.063], g[1.200,0.095]
1/1 [=====] - 0s 81ms/step
>2510, dr[0.513,0.413], df[0.389,0.045], g[1.304,0.049]
1/1 [=====] - 0s 88ms/step
>2511, dr[0.453,0.284], df[0.714,0.067], g[1.215,0.113]
1/1 [=====] - 0s 81ms/step
>2512, dr[0.632,0.396], df[0.523,0.069], g[1.232,0.065]
1/1 [=====] - 0s 83ms/step
>2513, dr[0.527,0.331], df[0.550,0.062], g[1.251,0.071]
1/1 [=====] - 0s 81ms/step
>2514, dr[0.661,0.452], df[0.544,0.145], g[0.992,0.069]
1/1 [=====] - 0s 82ms/step
>2515, dr[0.549,0.951], df[0.662,0.046], g[1.321,0.032]
1/1 [=====] - 0s 81ms/step
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>2516, dr[0.541,0.776], df[0.477,0.032], g[1.182,0.052]
1/1 [=====] - 0s 95ms/step
>2517, dr[0.455,0.610], df[0.624,0.036], g[1.102,0.051]
1/1 [=====] - 0s 98ms/step
>2518, dr[0.671,0.538], df[0.635,0.081], g[1.107,0.066]
1/1 [=====] - 0s 92ms/step
>2519, dr[0.484,0.521], df[0.504,0.133], g[1.294,0.092]
1/1 [=====] - 0s 90ms/step
>2520, dr[0.610,0.544], df[0.617,0.093], g[1.104,0.078]
1/1 [=====] - 0s 88ms/step
>2521, dr[0.549,0.971], df[0.835,0.059], g[1.171,0.057]
1/1 [=====] - 0s 93ms/step
>2522, dr[0.544,0.347], df[0.465,0.065], g[1.315,0.044]
1/1 [=====] - 0s 84ms/step
>2523, dr[0.648,0.349], df[0.482,0.054], g[1.187,0.059]
1/1 [=====] - 0s 83ms/step
>2524, dr[0.498,0.462], df[0.602,0.044], g[1.301,0.072]
1/1 [=====] - 0s 85ms/step
>2525, dr[0.558,0.429], df[0.714,0.075], g[1.126,0.054]
1/1 [=====] - 0s 81ms/step
>2526, dr[0.529,0.658], df[0.537,0.027], g[1.343,0.063]
1/1 [=====] - 0s 81ms/step
>2527, dr[0.622,0.831], df[0.456,0.045], g[1.086,0.055]
1/1 [=====] - 0s 80ms/step
>2528, dr[0.658,0.582], df[0.664,0.132], g[1.113,0.149]
1/1 [=====] - 0s 85ms/step
>2529, dr[0.513,0.342], df[0.892,0.156], g[1.043,0.076]
1/1 [=====] - 0s 83ms/step
>2530, dr[0.549,0.533], df[0.531,0.048], g[1.305,0.104]
1/1 [=====] - 0s 88ms/step
>2531, dr[0.524,0.442], df[0.557,0.104], g[1.299,0.048]
1/1 [=====] - 0s 81ms/step
>2532, dr[0.540,0.537], df[0.640,0.063], g[1.399,0.059]
1/1 [=====] - 0s 90ms/step
>2533, dr[0.514,0.668], df[0.587,0.038], g[1.342,0.059]
1/1 [=====] - 0s 81ms/step
>2534, dr[0.606,0.534], df[0.461,0.069], g[1.325,0.039]
1/1 [=====] - 0s 86ms/step
>2535, dr[0.555,0.719], df[0.478,0.109], g[1.182,0.057]
1/1 [=====] - 0s 83ms/step
>2536, dr[0.637,0.386], df[0.694,0.056], g[1.274,0.045]
1/1 [=====] - 0s 82ms/step
>2537, dr[0.487,0.202], df[0.540,0.054], g[1.495,0.081]
1/1 [=====] - 0s 80ms/step
>2538, dr[0.793,1.160], df[0.571,0.055], g[1.088,0.044]
1/1 [=====] - 0s 80ms/step
>2539, dr[0.622,0.676], df[0.650,0.082], g[1.234,0.062]
1/1 [=====] - 0s 83ms/step
>2540, dr[0.543,0.483], df[0.559,0.058], g[1.274,0.034]
1/1 [=====] - 0s 93ms/step
>2541, dr[0.522,0.455], df[0.661,0.070], g[1.337,0.072]
1/1 [=====] - 0s 92ms/step
>2542, dr[0.477,0.655], df[0.539,0.072], g[1.346,0.079]
1/1 [=====] - 0s 90ms/step
>2543, dr[0.811,0.458], df[0.561,0.077], g[1.270,0.060]
1/1 [=====] - 0s 92ms/step
>2544, dr[0.762,0.938], df[0.614,0.043], g[1.234,0.052]
1/1 [=====] - 0s 82ms/step
>2545, dr[0.428,0.324], df[0.617,0.161], g[1.185,0.066]
1/1 [=====] - 0s 90ms/step
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>2546, dr[0.612,0.415], df[0.560,0.085], g[1.105,0.062]
1/1 [=====] - 0s 89ms/step
>2547, dr[0.736,0.385], df[0.536,0.062], g[1.110,0.039]
1/1 [=====] - 0s 86ms/step
>2548, dr[0.646,0.529], df[0.548,0.070], g[1.266,0.062]
1/1 [=====] - 0s 80ms/step
>2549, dr[0.508,0.513], df[0.656,0.045], g[1.392,0.039]
1/1 [=====] - 0s 82ms/step
>2550, dr[0.509,0.444], df[0.574,0.043], g[1.205,0.060]
1/1 [=====] - 0s 85ms/step
>2551, dr[0.744,0.675], df[0.724,0.065], g[1.010,0.063]
1/1 [=====] - 0s 88ms/step
>2552, dr[0.606,0.407], df[0.588,0.071], g[0.998,0.086]
1/1 [=====] - 0s 86ms/step
>2553, dr[0.527,0.745], df[0.659,0.062], g[1.140,0.056]
1/1 [=====] - 0s 84ms/step
>2554, dr[0.613,0.351], df[0.698,0.044], g[1.197,0.040]
1/1 [=====] - 0s 93ms/step
>2555, dr[0.484,0.515], df[0.610,0.071], g[1.219,0.037]
1/1 [=====] - 0s 83ms/step
>2556, dr[0.504,0.628], df[0.459,0.174], g[1.371,0.051]
1/1 [=====] - 0s 89ms/step
>2557, dr[0.646,0.548], df[0.592,0.057], g[1.115,0.055]
1/1 [=====] - 0s 82ms/step
>2558, dr[0.541,1.392], df[0.535,0.032], g[1.285,0.105]
1/1 [=====] - 0s 94ms/step
>2559, dr[0.681,0.426], df[0.705,0.059], g[1.021,0.113]
1/1 [=====] - 0s 81ms/step
>2560, dr[0.493,0.548], df[0.646,0.051], g[1.082,0.060]
1/1 [=====] - 0s 83ms/step
>2561, dr[0.507,0.778], df[0.589,0.040], g[1.464,0.047]
1/1 [=====] - 0s 80ms/step
>2562, dr[0.601,0.425], df[0.362,0.099], g[1.150,0.109]
1/1 [=====] - 0s 82ms/step
>2563, dr[0.474,0.575], df[0.401,0.047], g[1.330,0.083]
1/1 [=====] - 0s 80ms/step
>2564, dr[0.517,0.679], df[0.607,0.085], g[0.983,0.050]
1/1 [=====] - 0s 82ms/step
>2565, dr[0.435,0.491], df[0.564,0.071], g[1.235,0.047]
1/1 [=====] - 0s 80ms/step
>2566, dr[0.561,0.601], df[0.550,0.033], g[1.329,0.029]
1/1 [=====] - 0s 81ms/step
>2567, dr[0.690,0.429], df[0.500,0.046], g[1.303,0.049]
1/1 [=====] - 0s 83ms/step
>2568, dr[0.545,0.713], df[0.709,0.097], g[1.286,0.043]
1/1 [=====] - 0s 82ms/step
>2569, dr[0.560,0.511], df[0.459,0.023], g[1.150,0.057]
1/1 [=====] - 0s 85ms/step
>2570, dr[0.570,0.675], df[0.651,0.030], g[1.302,0.063]
1/1 [=====] - 0s 91ms/step
>2571, dr[0.653,0.577], df[0.471,0.023], g[1.191,0.030]
1/1 [=====] - 0s 99ms/step
>2572, dr[0.529,0.164], df[0.442,0.027], g[1.071,0.132]
1/1 [=====] - 0s 87ms/step
>2573, dr[0.576,0.800], df[0.750,0.029], g[1.017,0.077]
1/1 [=====] - 0s 94ms/step
>2574, dr[0.453,0.502], df[0.599,0.055], g[1.199,0.116]
1/1 [=====] - 0s 85ms/step
>2575, dr[0.561,0.234], df[0.549,0.162], g[1.247,0.082]
1/1 [=====] - 0s 90ms/step
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>2576, dr[0.514,0.814], df[0.606,0.131], g[1.191,0.067]
1/1 [=====] - 0s 80ms/step
>2577, dr[0.631,0.500], df[0.640,0.042], g[1.198,0.074]
1/1 [=====] - 0s 86ms/step
>2578, dr[0.547,0.324], df[0.541,0.105], g[1.274,0.083]
1/1 [=====] - 0s 107ms/step
>2579, dr[0.766,0.597], df[0.599,0.028], g[1.305,0.063]
1/1 [=====] - 0s 102ms/step
>2580, dr[0.534,0.631], df[0.549,0.043], g[1.373,0.050]
1/1 [=====] - 0s 113ms/step
>2581, dr[0.590,0.766], df[0.565,0.087], g[1.100,0.052]
1/1 [=====] - 0s 109ms/step
>2582, dr[0.639,0.690], df[0.655,0.111], g[1.039,0.038]
1/1 [=====] - 0s 92ms/step
>2583, dr[0.639,0.637], df[0.537,0.036], g[1.074,0.040]
1/1 [=====] - 0s 98ms/step
>2584, dr[0.471,0.373], df[0.679,0.029], g[1.195,0.072]
1/1 [=====] - 0s 95ms/step
>2585, dr[0.520,0.666], df[0.660,0.047], g[1.247,0.037]
1/1 [=====] - 0s 89ms/step
>2586, dr[0.720,0.757], df[0.538,0.228], g[1.215,0.089]
1/1 [=====] - 0s 96ms/step
>2587, dr[0.712,0.527], df[0.738,0.029], g[1.106,0.125]
1/1 [=====] - 0s 98ms/step
>2588, dr[0.600,0.539], df[0.627,0.041], g[0.869,0.067]
1/1 [=====] - 0s 98ms/step
>2589, dr[0.411,0.626], df[0.585,0.037], g[1.232,0.061]
1/1 [=====] - 0s 89ms/step
>2590, dr[0.482,0.751], df[0.554,0.049], g[1.215,0.110]
1/1 [=====] - 0s 101ms/step
>2591, dr[0.590,0.643], df[0.612,0.090], g[1.315,0.079]
1/1 [=====] - 0s 91ms/step
>2592, dr[0.721,0.497], df[0.651,0.082], g[1.133,0.042]
1/1 [=====] - 0s 91ms/step
>2593, dr[0.760,0.723], df[0.503,0.032], g[1.229,0.033]
1/1 [=====] - 0s 96ms/step
>2594, dr[0.534,0.525], df[0.564,0.096], g[0.932,0.052]
1/1 [=====] - 0s 93ms/step
>2595, dr[0.356,0.501], df[0.577,0.082], g[1.131,0.068]
1/1 [=====] - 0s 108ms/step
>2596, dr[0.703,0.709], df[0.632,0.078], g[1.265,0.041]
1/1 [=====] - 0s 103ms/step
>2597, dr[0.495,0.400], df[0.494,0.048], g[1.515,0.051]
1/1 [=====] - 0s 96ms/step
>2598, dr[0.499,0.525], df[0.536,0.047], g[1.507,0.044]
1/1 [=====] - 0s 88ms/step
>2599, dr[0.665,0.387], df[0.465,0.053], g[1.338,0.056]
1/1 [=====] - 0s 92ms/step
>2600, dr[0.612,0.365], df[0.541,0.057], g[1.216,0.073]
1/1 [=====] - 0s 97ms/step
>2601, dr[0.583,0.449], df[0.615,0.056], g[1.377,0.063]
1/1 [=====] - 0s 95ms/step
>2602, dr[0.550,0.302], df[0.434,0.087], g[1.122,0.050]
1/1 [=====] - 0s 103ms/step
>2603, dr[0.615,0.625], df[0.816,0.090], g[1.196,0.091]
1/1 [=====] - 0s 94ms/step
>2604, dr[0.509,0.653], df[0.709,0.099], g[1.090,0.059]
1/1 [=====] - 0s 95ms/step
>2605, dr[0.423,0.474], df[0.520,0.056], g[1.378,0.074]
1/1 [=====] - 0s 99ms/step
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>2606, dr[1.007,0.651], df[0.780,0.098], g[1.278,0.031]
1/1 [=====] - 0s 94ms/step
>2607, dr[0.580,0.875], df[0.494,0.069], g[1.147,0.072]
1/1 [=====] - 0s 100ms/step
>2608, dr[0.581,0.444], df[0.791,0.116], g[1.233,0.066]
1/1 [=====] - 0s 88ms/step
>2609, dr[0.554,0.682], df[0.404,0.100], g[1.007,0.116]
1/1 [=====] - 0s 92ms/step
>2610, dr[0.451,0.694], df[0.708,0.049], g[1.217,0.070]
1/1 [=====] - 0s 99ms/step
>2611, dr[0.483,0.654], df[0.312,0.081], g[0.875,0.069]
1/1 [=====] - 0s 94ms/step
>2612, dr[0.589,0.821], df[0.874,0.071], g[1.188,0.084]
1/1 [=====] - 0s 99ms/step
>2613, dr[0.611,0.407], df[0.722,0.069], g[0.971,0.085]
1/1 [=====] - 0s 88ms/step
>2614, dr[0.812,0.363], df[0.580,0.109], g[1.168,0.071]
1/1 [=====] - 0s 92ms/step
>2615, dr[0.567,0.248], df[0.607,0.051], g[1.258,0.047]
1/1 [=====] - 0s 91ms/step
>2616, dr[0.473,0.283], df[0.535,0.037], g[1.296,0.059]
1/1 [=====] - 0s 87ms/step
>2617, dr[0.653,0.344], df[0.512,0.066], g[1.284,0.047]
1/1 [=====] - 0s 93ms/step
>2618, dr[0.681,0.545], df[0.511,0.152], g[1.124,0.056]
1/1 [=====] - 0s 92ms/step
>2619, dr[0.369,0.464], df[0.497,0.141], g[1.130,0.075]
1/1 [=====] - 0s 101ms/step
>2620, dr[0.782,0.723], df[0.631,0.040], g[1.206,0.057]
1/1 [=====] - 0s 119ms/step
>2621, dr[0.455,0.423], df[0.652,0.031], g[1.225,0.079]
1/1 [=====] - 0s 86ms/step
>2622, dr[0.449,0.420], df[0.497,0.066], g[1.225,0.059]
1/1 [=====] - 0s 89ms/step
>2623, dr[0.487,0.635], df[0.584,0.067], g[1.081,0.076]
1/1 [=====] - 0s 87ms/step
>2624, dr[0.653,0.671], df[0.612,0.035], g[0.987,0.054]
1/1 [=====] - 0s 81ms/step
>2625, dr[0.567,0.477], df[0.641,0.016], g[1.098,0.050]
1/1 [=====] - 0s 87ms/step
>2626, dr[0.465,0.284], df[0.575,0.048], g[1.238,0.031]
1/1 [=====] - 0s 91ms/step
>2627, dr[0.537,0.479], df[0.468,0.062], g[1.180,0.055]
1/1 [=====] - 0s 94ms/step
>2628, dr[0.575,0.336], df[0.737,0.059], g[1.099,0.044]
1/1 [=====] - 0s 101ms/step
>2629, dr[0.499,0.672], df[0.491,0.084], g[1.239,0.060]
1/1 [=====] - 0s 103ms/step
>2630, dr[0.585,0.805], df[0.558,0.061], g[1.246,0.033]
1/1 [=====] - 0s 89ms/step
>2631, dr[0.612,0.550], df[0.661,0.031], g[1.159,0.061]
1/1 [=====] - 0s 86ms/step
>2632, dr[0.473,0.515], df[0.451,0.050], g[1.306,0.038]
1/1 [=====] - 0s 87ms/step
>2633, dr[0.621,0.750], df[0.569,0.068], g[1.105,0.123]
1/1 [=====] - 0s 91ms/step
>2634, dr[0.566,0.605], df[0.690,0.065], g[1.129,0.069]
1/1 [=====] - 0s 83ms/step
>2635, dr[0.447,0.382], df[0.746,0.034], g[1.408,0.062]
1/1 [=====] - 0s 92ms/step
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>2636, dr[0.514,0.841], df[0.541,0.061], g[1.096,0.094]
1/1 [=====] - 0s 81ms/step
>2637, dr[0.639,0.469], df[0.451,0.030], g[1.238,0.061]
1/1 [=====] - 0s 89ms/step
>2638, dr[0.658,0.505], df[0.640,0.024], g[1.067,0.038]
1/1 [=====] - 0s 83ms/step
>2639, dr[0.557,0.426], df[0.595,0.032], g[1.028,0.064]
1/1 [=====] - 0s 84ms/step
>2640, dr[0.688,0.723], df[0.656,0.043], g[1.068,0.054]
1/1 [=====] - 0s 82ms/step
>2641, dr[0.359,0.387], df[0.531,0.053], g[1.383,0.047]
1/1 [=====] - 0s 96ms/step
>2642, dr[0.602,0.641], df[0.438,0.020], g[1.232,0.048]
1/1 [=====] - 0s 85ms/step
>2643, dr[0.666,0.473], df[0.627,0.098], g[1.079,0.038]
1/1 [=====] - 0s 91ms/step
>2644, dr[0.504,0.717], df[0.611,0.048], g[0.891,0.029]
1/1 [=====] - 0s 95ms/step
>2645, dr[0.407,0.504], df[0.613,0.053], g[1.158,0.036]
1/1 [=====] - 0s 87ms/step
>2646, dr[0.454,0.563], df[0.552,0.105], g[1.138,0.127]
1/1 [=====] - 0s 97ms/step
>2647, dr[0.625,0.469], df[0.585,0.071], g[1.245,0.027]
1/1 [=====] - 0s 85ms/step
>2648, dr[0.650,0.620], df[0.417,0.040], g[1.224,0.036]
1/1 [=====] - 0s 84ms/step
>2649, dr[0.502,0.501], df[0.698,0.063], g[1.081,0.031]
1/1 [=====] - 0s 83ms/step
>2650, dr[0.373,0.309], df[0.554,0.052], g[1.087,0.054]
1/1 [=====] - 0s 82ms/step
>2651, dr[0.527,0.390], df[0.532,0.064], g[1.534,0.066]
1/1 [=====] - 0s 88ms/step
>2652, dr[0.584,0.557], df[0.411,0.068], g[1.258,0.051]
1/1 [=====] - 0s 84ms/step
>2653, dr[0.431,0.504], df[0.523,0.038], g[1.289,0.040]
1/1 [=====] - 0s 92ms/step
>2654, dr[0.566,0.747], df[0.666,0.081], g[1.065,0.045]
1/1 [=====] - 0s 84ms/step
>2655, dr[0.492,0.529], df[0.525,0.044], g[1.137,0.027]
1/1 [=====] - 0s 90ms/step
>2656, dr[0.742,0.657], df[0.745,0.092], g[1.172,0.068]
1/1 [=====] - 0s 88ms/step
>2657, dr[0.536,0.401], df[0.501,0.075], g[1.132,0.050]
1/1 [=====] - 0s 95ms/step
>2658, dr[0.573,0.480], df[0.510,0.044], g[1.207,0.087]
1/1 [=====] - 0s 87ms/step
>2659, dr[0.484,0.452], df[0.703,0.104], g[1.177,0.070]
1/1 [=====] - 0s 94ms/step
>2660, dr[0.639,0.368], df[0.606,0.168], g[1.328,0.077]
1/1 [=====] - 0s 106ms/step
>2661, dr[0.593,0.645], df[0.762,0.035], g[1.147,0.071]
1/1 [=====] - 0s 90ms/step
>2662, dr[0.540,0.864], df[0.579,0.070], g[1.170,0.068]
1/1 [=====] - 0s 97ms/step
>2663, dr[0.580,0.501], df[0.446,0.018], g[1.268,0.045]
1/1 [=====] - 0s 91ms/step
>2664, dr[0.546,0.464], df[0.522,0.049], g[1.159,0.060]
1/1 [=====] - 0s 88ms/step
>2665, dr[0.530,0.412], df[0.648,0.057], g[1.069,0.064]
1/1 [=====] - 0s 92ms/step
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>2666, dr[0.397,0.377], df[0.530,0.062], g[1.256,0.055]
1/1 [=====] - 0s 96ms/step
>2667, dr[0.641,0.336], df[0.654,0.029], g[1.234,0.050]
1/1 [=====] - 0s 94ms/step
>2668, dr[0.642,0.304], df[0.448,0.053], g[1.095,0.042]
1/1 [=====] - 0s 86ms/step
>2669, dr[0.711,0.340], df[0.653,0.116], g[1.079,0.040]
1/1 [=====] - 0s 89ms/step
>2670, dr[0.531,0.577], df[0.731,0.019], g[1.159,0.042]
1/1 [=====] - 0s 85ms/step
>2671, dr[0.603,0.642], df[0.744,0.028], g[1.081,0.060]
1/1 [=====] - 0s 87ms/step
>2672, dr[0.629,0.457], df[0.530,0.058], g[1.079,0.095]
1/1 [=====] - 0s 88ms/step
>2673, dr[0.618,1.148], df[0.651,0.098], g[1.091,0.087]
1/1 [=====] - 0s 91ms/step
>2674, dr[0.637,0.418], df[0.816,0.059], g[0.919,0.041]
1/1 [=====] - 0s 82ms/step
>2675, dr[0.402,0.619], df[0.673,0.055], g[1.316,0.077]
1/1 [=====] - 0s 84ms/step
>2676, dr[0.680,0.342], df[0.593,0.063], g[1.339,0.075]
1/1 [=====] - 0s 95ms/step
>2677, dr[0.717,0.278], df[0.558,0.075], g[1.150,0.083]
1/1 [=====] - 0s 87ms/step
>2678, dr[0.510,0.384], df[0.634,0.027], g[1.348,0.040]
1/1 [=====] - 0s 93ms/step
>2679, dr[0.725,0.574], df[0.594,0.056], g[1.157,0.040]
1/1 [=====] - 0s 90ms/step
>2680, dr[0.620,0.777], df[0.675,0.059], g[1.294,0.061]
1/1 [=====] - 0s 90ms/step
>2681, dr[0.475,0.475], df[0.568,0.056], g[1.156,0.050]
1/1 [=====] - 0s 94ms/step
>2682, dr[0.577,0.229], df[0.617,0.023], g[1.073,0.174]
1/1 [=====] - 0s 86ms/step
>2683, dr[0.473,0.509], df[0.512,0.044], g[1.377,0.104]
1/1 [=====] - 0s 95ms/step
>2684, dr[0.627,0.513], df[0.484,0.041], g[1.101,0.027]
1/1 [=====] - 0s 104ms/step
>2685, dr[0.685,0.727], df[0.854,0.053], g[1.214,0.027]
1/1 [=====] - 0s 91ms/step
>2686, dr[0.687,0.853], df[0.474,0.060], g[1.314,0.031]
1/1 [=====] - 0s 90ms/step
>2687, dr[0.614,0.795], df[0.636,0.048], g[1.245,0.040]
1/1 [=====] - 0s 96ms/step
>2688, dr[0.475,0.432], df[0.611,0.058], g[1.279,0.021]
1/1 [=====] - 0s 85ms/step
>2689, dr[0.508,0.342], df[0.781,0.087], g[1.236,0.044]
1/1 [=====] - 0s 95ms/step
>2690, dr[0.539,0.802], df[0.549,0.038], g[1.364,0.073]
1/1 [=====] - 0s 85ms/step
>2691, dr[0.643,0.406], df[0.483,0.024], g[1.238,0.064]
1/1 [=====] - 0s 91ms/step
>2692, dr[0.640,0.248], df[0.484,0.038], g[1.253,0.053]
1/1 [=====] - 0s 89ms/step
>2693, dr[0.406,0.418], df[0.471,0.036], g[1.025,0.041]
1/1 [=====] - 0s 87ms/step
>2694, dr[0.606,0.827], df[0.441,0.059], g[1.179,0.029]
1/1 [=====] - 0s 94ms/step
>2695, dr[0.489,0.756], df[0.723,0.045], g[1.131,0.073]
1/1 [=====] - 0s 86ms/step
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>2696, dr[0.532,0.364], df[0.600,0.098], g[1.144,0.039]
1/1 [=====] - 0s 86ms/step
>2697, dr[0.558,0.382], df[0.647,0.196], g[1.096,0.058]
1/1 [=====] - 0s 87ms/step
>2698, dr[0.417,0.564], df[0.577,0.054], g[1.165,0.111]
1/1 [=====] - 0s 86ms/step
>2699, dr[0.512,0.661], df[0.572,0.060], g[1.201,0.076]
1/1 [=====] - 0s 95ms/step
>2700, dr[0.582,0.577], df[0.500,0.028], g[1.371,0.083]
1/1 [=====] - 0s 85ms/step
>2701, dr[0.788,0.421], df[0.593,0.108], g[1.173,0.128]
1/1 [=====] - 0s 94ms/step
>2702, dr[0.609,0.510], df[0.604,0.063], g[1.284,0.058]
1/1 [=====] - 0s 86ms/step
>2703, dr[0.645,0.578], df[0.601,0.039], g[1.245,0.028]
1/1 [=====] - 0s 90ms/step
>2704, dr[0.506,0.657], df[0.526,0.065], g[1.204,0.037]
1/1 [=====] - 0s 87ms/step
>2705, dr[0.671,0.537], df[0.631,0.083], g[1.233,0.028]
1/1 [=====] - 0s 91ms/step
>2706, dr[0.506,0.526], df[0.636,0.044], g[1.295,0.053]
1/1 [=====] - 0s 87ms/step
>2707, dr[0.553,0.358], df[0.476,0.071], g[1.392,0.085]
1/1 [=====] - 0s 90ms/step
>2708, dr[0.717,0.335], df[0.593,0.052], g[1.093,0.069]
1/1 [=====] - 0s 92ms/step
>2709, dr[0.462,0.542], df[0.560,0.058], g[1.212,0.046]
1/1 [=====] - 0s 86ms/step
>2710, dr[0.675,0.795], df[0.517,0.040], g[1.311,0.057]
1/1 [=====] - 0s 93ms/step
>2711, dr[0.651,0.318], df[0.461,0.024], g[1.115,0.044]
1/1 [=====] - 0s 87ms/step
>2712, dr[0.628,0.408], df[0.750,0.087], g[1.104,0.021]
1/1 [=====] - 0s 95ms/step
>2713, dr[0.530,0.629], df[0.533,0.040], g[1.213,0.055]
1/1 [=====] - 0s 85ms/step
>2714, dr[0.522,0.242], df[0.575,0.068], g[1.211,0.143]
1/1 [=====] - 0s 96ms/step
>2715, dr[0.478,0.541], df[0.471,0.044], g[1.049,0.066]
1/1 [=====] - 0s 85ms/step
>2716, dr[0.500,0.279], df[0.536,0.025], g[1.251,0.046]
1/1 [=====] - 0s 84ms/step
>2717, dr[0.488,0.370], df[0.525,0.032], g[1.196,0.057]
1/1 [=====] - 0s 88ms/step
>2718, dr[0.616,0.313], df[0.543,0.061], g[1.160,0.057]
1/1 [=====] - 0s 86ms/step
>2719, dr[0.540,0.461], df[0.651,0.095], g[1.258,0.076]
1/1 [=====] - 0s 94ms/step
>2720, dr[0.630,0.456], df[0.491,0.032], g[1.375,0.031]
1/1 [=====] - 0s 86ms/step
>2721, dr[0.482,0.445], df[0.559,0.039], g[1.289,0.060]
1/1 [=====] - 0s 99ms/step
>2722, dr[0.604,0.358], df[0.473,0.051], g[1.150,0.039]
1/1 [=====] - 0s 96ms/step
>2723, dr[0.464,0.638], df[0.640,0.073], g[1.171,0.040]
1/1 [=====] - 0s 97ms/step
>2724, dr[0.709,0.531], df[0.561,0.049], g[1.133,0.071]
1/1 [=====] - 0s 92ms/step
>2725, dr[0.354,0.371], df[0.577,0.068], g[1.189,0.055]
1/1 [=====] - 0s 105ms/step
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>2726, dr[0.487,0.565], df[0.557,0.041], g[1.256,0.096]
1/1 [=====] - 0s 97ms/step
>2727, dr[0.649,0.541], df[0.593,0.042], g[1.390,0.045]
1/1 [=====] - 0s 94ms/step
>2728, dr[0.514,0.676], df[0.503,0.065], g[1.328,0.044]
1/1 [=====] - 0s 89ms/step
>2729, dr[0.656,0.553], df[0.488,0.090], g[1.032,0.074]
1/1 [=====] - 0s 90ms/step
>2730, dr[0.745,0.535], df[0.565,0.089], g[1.105,0.087]
1/1 [=====] - 0s 93ms/step
>2731, dr[0.479,0.345], df[0.671,0.148], g[0.977,0.058]
1/1 [=====] - 0s 87ms/step
>2732, dr[0.626,0.838], df[0.662,0.035], g[1.258,0.070]
1/1 [=====] - 0s 89ms/step
>2733, dr[0.485,0.704], df[0.586,0.032], g[1.420,0.064]
1/1 [=====] - 0s 86ms/step
>2734, dr[0.529,0.320], df[0.486,0.046], g[1.411,0.046]
1/1 [=====] - 0s 85ms/step
>2735, dr[0.431,0.405], df[0.585,0.091], g[1.169,0.068]
1/1 [=====] - 0s 86ms/step
>2736, dr[0.663,0.280], df[0.601,0.041], g[1.426,0.036]
1/1 [=====] - 0s 86ms/step
>2737, dr[0.688,0.315], df[0.433,0.035], g[1.174,0.039]
1/1 [=====] - 0s 105ms/step
>2738, dr[0.486,0.471], df[0.577,0.107], g[1.054,0.060]
1/1 [=====] - 0s 96ms/step
>2739, dr[0.477,0.361], df[0.593,0.048], g[1.009,0.046]
1/1 [=====] - 0s 97ms/step
>2740, dr[0.575,0.778], df[0.626,0.126], g[1.086,0.078]
1/1 [=====] - 0s 90ms/step
>2741, dr[0.430,0.322], df[0.593,0.028], g[1.156,0.045]
1/1 [=====] - 0s 86ms/step
>2742, dr[0.484,0.357], df[0.423,0.030], g[1.079,0.075]
1/1 [=====] - 0s 87ms/step
>2743, dr[0.619,0.824], df[0.644,0.079], g[1.139,0.035]
1/1 [=====] - 0s 84ms/step
>2744, dr[0.519,0.639], df[0.676,0.100], g[1.115,0.069]
1/1 [=====] - 0s 84ms/step
>2745, dr[0.505,0.574], df[0.649,0.074], g[1.181,0.079]
1/1 [=====] - 0s 93ms/step
>2746, dr[0.610,0.848], df[0.687,0.099], g[1.199,0.064]
1/1 [=====] - 0s 98ms/step
>2747, dr[0.760,0.628], df[0.689,0.053], g[1.183,0.036]
1/1 [=====] - 0s 88ms/step
>2748, dr[0.636,0.472], df[0.609,0.080], g[1.261,0.049]
1/1 [=====] - 0s 104ms/step
>2749, dr[0.673,0.324], df[0.689,0.110], g[0.940,0.056]
1/1 [=====] - 0s 85ms/step
>2750, dr[0.464,0.453], df[0.792,0.038], g[1.286,0.064]
1/1 [=====] - 0s 103ms/step
>2751, dr[0.736,0.564], df[0.536,0.053], g[1.123,0.035]
1/1 [=====] - 0s 102ms/step
>2752, dr[0.623,0.552], df[0.625,0.029], g[1.200,0.055]
1/1 [=====] - 0s 94ms/step
>2753, dr[0.542,0.686], df[0.635,0.052], g[1.208,0.038]
1/1 [=====] - 0s 97ms/step
>2754, dr[0.575,0.549], df[0.658,0.045], g[1.068,0.052]
1/1 [=====] - 0s 91ms/step
>2755, dr[0.571,0.229], df[0.580,0.027], g[1.189,0.059]
1/1 [=====] - 0s 92ms/step
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>2756, dr[0.638,0.917], df[0.827,0.086], g[1.078,0.058]
1/1 [=====] - 0s 97ms/step
>2757, dr[0.750,0.780], df[0.700,0.044], g[1.277,0.050]
1/1 [=====] - 0s 97ms/step
>2758, dr[0.730,0.726], df[0.562,0.033], g[1.152,0.033]
1/1 [=====] - 0s 101ms/step
>2759, dr[0.636,0.320], df[0.679,0.031], g[1.182,0.052]
1/1 [=====] - 0s 87ms/step
>2760, dr[0.430,0.538], df[0.586,0.021], g[1.246,0.071]
1/1 [=====] - 0s 88ms/step
>2761, dr[0.450,0.452], df[0.684,0.062], g[1.164,0.058]
1/1 [=====] - 0s 87ms/step
>2762, dr[0.597,0.413], df[0.533,0.049], g[1.177,0.042]
1/1 [=====] - 0s 85ms/step
>2763, dr[0.604,0.464], df[0.666,0.089], g[1.133,0.052]
1/1 [=====] - 0s 86ms/step
>2764, dr[0.565,0.817], df[0.576,0.069], g[1.062,0.035]
1/1 [=====] - 0s 85ms/step
>2765, dr[0.442,0.481], df[0.553,0.065], g[1.218,0.056]
1/1 [=====] - 0s 96ms/step
>2766, dr[0.492,0.321], df[0.586,0.041], g[1.142,0.058]
1/1 [=====] - 0s 85ms/step
>2767, dr[0.724,0.605], df[0.481,0.056], g[1.092,0.028]
1/1 [=====] - 0s 96ms/step
>2768, dr[0.557,0.566], df[0.510,0.047], g[1.247,0.024]
1/1 [=====] - 0s 87ms/step
>2769, dr[0.571,0.410], df[0.496,0.046], g[1.178,0.038]
1/1 [=====] - 0s 96ms/step
>2770, dr[0.588,0.828], df[0.620,0.029], g[0.900,0.074]
1/1 [=====] - 0s 100ms/step
>2771, dr[0.601,0.883], df[0.720,0.027], g[1.132,0.049]
1/1 [=====] - 0s 87ms/step
>2772, dr[0.493,0.409], df[0.596,0.048], g[1.061,0.047]
1/1 [=====] - 0s 89ms/step
>2773, dr[0.423,0.523], df[0.611,0.039], g[1.099,0.042]
1/1 [=====] - 0s 88ms/step
>2774, dr[0.726,0.362], df[0.569,0.044], g[1.195,0.038]
1/1 [=====] - 0s 91ms/step
>2775, dr[0.553,0.442], df[0.553,0.088], g[1.096,0.041]
1/1 [=====] - 0s 85ms/step
>2776, dr[0.736,0.942], df[0.600,0.062], g[0.956,0.045]
1/1 [=====] - 0s 96ms/step
>2777, dr[0.443,0.489], df[0.449,0.034], g[1.335,0.044]
1/1 [=====] - 0s 87ms/step
>2778, dr[0.632,0.645], df[0.666,0.024], g[1.317,0.051]
1/1 [=====] - 0s 97ms/step
>2779, dr[0.640,0.640], df[0.746,0.066], g[1.358,0.054]
1/1 [=====] - 0s 86ms/step
>2780, dr[0.386,0.567], df[0.356,0.025], g[1.188,0.044]
1/1 [=====] - 0s 87ms/step
>2781, dr[0.545,0.358], df[0.515,0.026], g[1.249,0.039]
1/1 [=====] - 0s 86ms/step
>2782, dr[0.356,0.682], df[0.475,0.043], g[1.157,0.074]
1/1 [=====] - 0s 97ms/step
>2783, dr[0.575,0.401], df[0.582,0.021], g[1.102,0.103]
1/1 [=====] - 0s 99ms/step
>2784, dr[0.544,0.526], df[0.546,0.055], g[1.374,0.070]
1/1 [=====] - 0s 89ms/step
>2785, dr[0.739,0.535], df[0.682,0.024], g[1.244,0.062]
1/1 [=====] - 0s 94ms/step
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>2786, dr[0.576,0.445], df[0.572,0.088], g[1.149,0.066]
1/1 [=====] - 0s 100ms/step
>2787, dr[0.502,0.351], df[0.535,0.084], g[1.188,0.051]
1/1 [=====] - 0s 86ms/step
>2788, dr[0.542,0.605], df[0.579,0.037], g[1.141,0.112]
1/1 [=====] - 0s 88ms/step
>2789, dr[0.562,0.670], df[0.771,0.040], g[1.159,0.036]
1/1 [=====] - 0s 90ms/step
>2790, dr[0.654,0.536], df[0.541,0.031], g[1.135,0.061]
1/1 [=====] - 0s 102ms/step
>2791, dr[0.458,0.731], df[0.730,0.052], g[1.345,0.052]
1/1 [=====] - 0s 119ms/step
>2792, dr[0.752,0.501], df[0.739,0.031], g[1.054,0.050]
1/1 [=====] - 0s 92ms/step
>2793, dr[0.634,0.478], df[0.664,0.070], g[1.317,0.045]
1/1 [=====] - 0s 92ms/step
>2794, dr[0.508,0.673], df[0.617,0.086], g[1.322,0.045]
1/1 [=====] - 0s 95ms/step
>2795, dr[0.739,0.876], df[0.662,0.058], g[1.192,0.068]
1/1 [=====] - 0s 97ms/step
>2796, dr[0.690,0.817], df[0.551,0.084], g[1.145,0.075]
1/1 [=====] - 0s 92ms/step
>2797, dr[0.510,0.407], df[0.482,0.029], g[1.048,0.029]
1/1 [=====] - 0s 104ms/step
>2798, dr[0.696,0.561], df[0.631,0.062], g[1.198,0.076]
1/1 [=====] - 0s 97ms/step
>2799, dr[0.551,0.589], df[0.542,0.046], g[1.191,0.041]
1/1 [=====] - 0s 95ms/step
>2800, dr[0.576,0.723], df[0.583,0.077], g[1.005,0.041]
1/1 [=====] - 0s 98ms/step
>2801, dr[0.416,0.952], df[0.642,0.033], g[1.171,0.074]
1/1 [=====] - 0s 97ms/step
>2802, dr[0.544,0.446], df[0.600,0.064], g[1.157,0.047]
1/1 [=====] - 0s 100ms/step
>2803, dr[0.602,0.611], df[0.776,0.064], g[1.254,0.052]
1/1 [=====] - 0s 92ms/step
>2804, dr[0.823,0.675], df[0.514,0.077], g[1.071,0.048]
1/1 [=====] - 0s 102ms/step
>2805, dr[0.523,0.448], df[0.765,0.071], g[1.214,0.061]
1/1 [=====] - 0s 103ms/step
>2806, dr[0.690,0.501], df[0.517,0.027], g[1.021,0.054]
1/1 [=====] - 0s 101ms/step
>2807, dr[0.619,0.885], df[0.603,0.035], g[1.016,0.083]
1/1 [=====] - 0s 104ms/step
>2808, dr[0.538,0.536], df[0.838,0.045], g[1.223,0.055]
1/1 [=====] - 0s 107ms/step
>2809, dr[0.668,0.883], df[0.586,0.049], g[1.067,0.067]
1/1 [=====] - 0s 109ms/step
>2810, dr[0.551,0.620], df[0.608,0.099], g[1.122,0.074]
1/1 [=====] - 0s 109ms/step
>2811, dr[0.642,0.760], df[0.533,0.059], g[1.215,0.049]
4/4 [=====] - 0s 64ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 111ms/step
>2812, dr[0.564,0.570], df[0.516,0.032], g[1.096,0.049]
1/1 [=====] - 0s 112ms/step
>2813, dr[0.548,0.586], df[0.636,0.052], g[0.986,0.061]
1/1 [=====] - 0s 104ms/step

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>2814, dr[0.543,0.437], df[0.575,0.024], g[1.297,0.040]
1/1 [=====] - 0s 114ms/step
>2815, dr[0.525,0.413], df[0.537,0.037], g[1.187,0.042]
1/1 [=====] - 0s 96ms/step
>2816, dr[0.571,0.732], df[0.653,0.042], g[1.152,0.056]
1/1 [=====] - 0s 109ms/step
>2817, dr[0.774,0.543], df[0.682,0.058], g[1.029,0.070]
1/1 [=====] - 0s 97ms/step
>2818, dr[0.529,0.858], df[0.548,0.036], g[1.167,0.055]
1/1 [=====] - 0s 107ms/step
>2819, dr[0.599,0.557], df[0.801,0.051], g[1.009,0.080]
1/1 [=====] - 0s 99ms/step
>2820, dr[0.674,0.394], df[0.648,0.039], g[1.035,0.055]
1/1 [=====] - 0s 94ms/step
>2821, dr[0.715,0.290], df[0.564,0.201], g[1.377,0.048]
1/1 [=====] - 0s 91ms/step
>2822, dr[0.500,0.354], df[0.582,0.034], g[1.089,0.122]
1/1 [=====] - 0s 102ms/step
>2823, dr[0.381,0.558], df[0.558,0.024], g[1.164,0.072]
1/1 [=====] - 0s 102ms/step
>2824, dr[0.728,0.497], df[0.564,0.042], g[1.114,0.061]
1/1 [=====] - 0s 96ms/step
>2825, dr[0.604,0.521], df[0.652,0.120], g[1.200,0.049]
1/1 [=====] - 0s 98ms/step
>2826, dr[0.650,0.318], df[0.567,0.027], g[0.994,0.042]
1/1 [=====] - 0s 94ms/step
>2827, dr[0.718,0.417], df[0.615,0.035], g[1.181,0.041]
1/1 [=====] - 0s 91ms/step
>2828, dr[0.548,0.402], df[0.586,0.049], g[1.116,0.128]
1/1 [=====] - 0s 100ms/step
>2829, dr[0.493,0.446], df[0.701,0.047], g[1.305,0.033]
1/1 [=====] - 0s 93ms/step
>2830, dr[0.823,0.851], df[0.659,0.070], g[1.235,0.042]
1/1 [=====] - 0s 90ms/step
>2831, dr[0.628,0.566], df[0.668,0.056], g[1.098,0.043]
1/1 [=====] - 0s 88ms/step
>2832, dr[0.586,0.794], df[0.590,0.032], g[1.179,0.051]
1/1 [=====] - 0s 89ms/step
>2833, dr[0.506,0.492], df[0.519,0.084], g[1.349,0.055]
1/1 [=====] - 0s 95ms/step
>2834, dr[0.706,0.420], df[0.464,0.051], g[1.077,0.087]
1/1 [=====] - 0s 86ms/step
>2835, dr[0.538,0.385], df[0.682,0.101], g[1.154,0.061]
1/1 [=====] - 0s 93ms/step
>2836, dr[0.560,0.370], df[0.620,0.083], g[1.107,0.064]
1/1 [=====] - 0s 92ms/step
>2837, dr[0.602,0.435], df[0.757,0.117], g[1.160,0.054]
1/1 [=====] - 0s 94ms/step
>2838, dr[0.560,0.474], df[0.611,0.039], g[1.171,0.034]
1/1 [=====] - 0s 108ms/step
>2839, dr[0.658,0.280], df[0.662,0.086], g[1.279,0.056]
1/1 [=====] - 0s 93ms/step
>2840, dr[0.632,0.296], df[0.543,0.054], g[1.364,0.063]
1/1 [=====] - 0s 95ms/step
>2841, dr[0.958,0.854], df[0.498,0.043], g[1.028,0.062]
1/1 [=====] - 0s 88ms/step
>2842, dr[0.542,0.378], df[0.713,0.108], g[0.939,0.035]
1/1 [=====] - 0s 105ms/step
>2843, dr[0.521,0.675], df[0.714,0.054], g[0.899,0.040]
1/1 [=====] - 0s 100ms/step
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>2844, dr[0.603,0.601], df[0.599,0.046], g[1.073,0.048]
1/1 [=====] - 0s 101ms/step
>2845, dr[0.569,0.393], df[0.598,0.063], g[1.043,0.043]
1/1 [=====] - 0s 95ms/step
>2846, dr[0.635,0.660], df[0.640,0.037], g[1.193,0.030]
1/1 [=====] - 0s 99ms/step
>2847, dr[0.618,0.725], df[0.759,0.087], g[1.051,0.024]
1/1 [=====] - 0s 100ms/step
>2848, dr[0.528,0.473], df[0.594,0.105], g[1.121,0.046]
1/1 [=====] - 0s 92ms/step
>2849, dr[0.597,0.533], df[0.645,0.102], g[1.137,0.064]
1/1 [=====] - 0s 95ms/step
>2850, dr[0.591,0.275], df[0.611,0.028], g[1.278,0.042]
1/1 [=====] - 0s 94ms/step
>2851, dr[0.453,0.483], df[0.487,0.054], g[1.288,0.033]
1/1 [=====] - 0s 98ms/step
>2852, dr[0.577,1.045], df[0.614,0.123], g[1.184,0.024]
1/1 [=====] - 0s 99ms/step
>2853, dr[0.751,0.446], df[0.614,0.065], g[1.130,0.042]
1/1 [=====] - 0s 94ms/step
>2854, dr[0.614,0.554], df[0.616,0.107], g[1.130,0.055]
1/1 [=====] - 0s 101ms/step
>2855, dr[0.671,0.591], df[0.703,0.129], g[1.067,0.053]
1/1 [=====] - 0s 89ms/step
>2856, dr[0.507,0.579], df[0.395,0.058], g[1.150,0.057]
1/1 [=====] - 0s 87ms/step
>2857, dr[0.601,0.325], df[0.793,0.067], g[1.266,0.040]
1/1 [=====] - 0s 100ms/step
>2858, dr[0.679,0.476], df[0.523,0.130], g[1.130,0.057]
1/1 [=====] - 0s 85ms/step
>2859, dr[0.641,0.304], df[0.724,0.043], g[1.079,0.031]
1/1 [=====] - 0s 93ms/step
>2860, dr[0.559,1.003], df[0.652,0.020], g[1.108,0.036]
1/1 [=====] - 0s 88ms/step
>2861, dr[0.561,0.406], df[0.536,0.028], g[1.179,0.059]
1/1 [=====] - 0s 89ms/step
>2862, dr[0.560,0.281], df[0.657,0.052], g[1.128,0.050]
1/1 [=====] - 0s 104ms/step
>2863, dr[0.598,0.509], df[0.719,0.108], g[1.233,0.062]
1/1 [=====] - 0s 88ms/step
>2864, dr[0.562,0.444], df[0.524,0.139], g[1.249,0.085]
1/1 [=====] - 0s 100ms/step
>2865, dr[0.655,0.540], df[0.534,0.050], g[1.078,0.067]
1/1 [=====] - 0s 87ms/step
>2866, dr[0.791,0.448], df[0.537,0.031], g[0.993,0.054]
1/1 [=====] - 0s 98ms/step
>2867, dr[0.512,0.482], df[0.698,0.062], g[1.054,0.059]
1/1 [=====] - 0s 93ms/step
>2868, dr[0.478,0.471], df[0.557,0.089], g[1.109,0.039]
1/1 [=====] - 0s 90ms/step
>2869, dr[0.486,0.330], df[0.759,0.055], g[1.076,0.064]
1/1 [=====] - 0s 86ms/step
>2870, dr[0.712,0.805], df[0.529,0.036], g[1.285,0.052]
1/1 [=====] - 0s 93ms/step
>2871, dr[0.458,0.429], df[0.729,0.063], g[1.216,0.057]
1/1 [=====] - 0s 105ms/step
>2872, dr[0.723,0.455], df[0.591,0.033], g[1.119,0.071]
1/1 [=====] - 0s 92ms/step
>2873, dr[0.596,0.703], df[0.634,0.060], g[1.274,0.067]
1/1 [=====] - 0s 102ms/step
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>2874, dr[0.833,0.337], df[0.519,0.049], g[1.224,0.071]
1/1 [=====] - 0s 88ms/step
>2875, dr[0.526,0.432], df[0.718,0.151], g[1.175,0.084]
1/1 [=====] - 0s 93ms/step
>2876, dr[0.494,0.710], df[0.539,0.060], g[1.170,0.037]
1/1 [=====] - 0s 86ms/step
>2877, dr[0.720,0.544], df[0.671,0.032], g[0.926,0.048]
1/1 [=====] - 0s 90ms/step
>2878, dr[0.565,0.429], df[0.625,0.091], g[1.140,0.068]
1/1 [=====] - 0s 98ms/step
>2879, dr[0.543,0.524], df[0.515,0.046], g[1.066,0.058]
1/1 [=====] - 0s 112ms/step
>2880, dr[0.691,0.601], df[0.634,0.046], g[1.140,0.038]
1/1 [=====] - 0s 106ms/step
>2881, dr[0.654,0.225], df[0.765,0.063], g[1.094,0.030]
1/1 [=====] - 0s 112ms/step
>2882, dr[0.536,0.359], df[0.564,0.082], g[1.094,0.069]
1/1 [=====] - 0s 103ms/step
>2883, dr[0.533,0.596], df[0.617,0.077], g[1.060,0.056]
1/1 [=====] - 0s 93ms/step
>2884, dr[0.516,0.906], df[0.517,0.042], g[1.092,0.051]
1/1 [=====] - 0s 111ms/step
>2885, dr[0.579,0.558], df[0.605,0.164], g[1.200,0.055]
1/1 [=====] - 0s 90ms/step
>2886, dr[0.591,0.657], df[0.580,0.114], g[1.139,0.059]
1/1 [=====] - 0s 131ms/step
>2887, dr[0.562,0.572], df[0.555,0.036], g[1.120,0.064]
1/1 [=====] - 0s 117ms/step
>2888, dr[0.685,0.785], df[0.542,0.021], g[1.028,0.075]
1/1 [=====] - 0s 95ms/step
>2889, dr[0.599,0.642], df[0.610,0.050], g[1.123,0.052]
1/1 [=====] - 0s 103ms/step
>2890, dr[0.736,0.465], df[0.581,0.021], g[1.035,0.071]
1/1 [=====] - 0s 86ms/step
>2891, dr[0.704,0.611], df[0.481,0.070], g[0.810,0.059]
1/1 [=====] - 0s 88ms/step
>2892, dr[0.672,0.574], df[0.849,0.144], g[1.074,0.053]
1/1 [=====] - 0s 87ms/step
>2893, dr[0.607,0.548], df[0.602,0.043], g[1.095,0.047]
1/1 [=====] - 0s 87ms/step
>2894, dr[0.447,0.593], df[0.500,0.034], g[1.029,0.054]
1/1 [=====] - 0s 91ms/step
>2895, dr[0.606,0.317], df[0.773,0.056], g[1.185,0.081]
1/1 [=====] - 0s 93ms/step
>2896, dr[0.554,0.257], df[0.658,0.049], g[1.229,0.058]
1/1 [=====] - 0s 105ms/step
>2897, dr[0.632,0.660], df[0.464,0.057], g[1.077,0.117]
1/1 [=====] - 0s 96ms/step
>2898, dr[0.491,0.507], df[0.504,0.023], g[1.064,0.063]
1/1 [=====] - 0s 92ms/step
>2899, dr[0.629,0.767], df[0.584,0.057], g[1.092,0.057]
1/1 [=====] - 0s 90ms/step
>2900, dr[0.569,0.392], df[0.583,0.040], g[1.053,0.051]
1/1 [=====] - 0s 89ms/step
>2901, dr[0.481,0.722], df[0.580,0.022], g[1.057,0.055]
1/1 [=====] - 0s 90ms/step
>2902, dr[0.604,0.781], df[0.668,0.045], g[1.045,0.076]
1/1 [=====] - 0s 87ms/step
>2903, dr[0.491,0.505], df[0.665,0.043], g[1.257,0.065]
1/1 [=====] - 0s 97ms/step
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>2904, dr[0.635,0.402], df[0.560,0.040], g[1.104,0.054]
1/1 [=====] - 0s 88ms/step
>2905, dr[0.686,0.618], df[0.590,0.046], g[1.211,0.078]
1/1 [=====] - 0s 94ms/step
>2906, dr[0.626,0.418], df[0.583,0.059], g[1.046,0.051]
1/1 [=====] - 0s 94ms/step
>2907, dr[0.604,0.784], df[0.699,0.062], g[1.126,0.131]
1/1 [=====] - 0s 91ms/step
>2908, dr[0.450,0.631], df[0.631,0.021], g[1.109,0.030]
1/1 [=====] - 0s 89ms/step
>2909, dr[0.651,0.193], df[0.754,0.038], g[1.187,0.069]
1/1 [=====] - 0s 86ms/step
>2910, dr[0.583,0.590], df[0.655,0.097], g[1.269,0.029]
1/1 [=====] - 0s 96ms/step
>2911, dr[0.631,0.733], df[0.548,0.118], g[1.114,0.050]
1/1 [=====] - 0s 87ms/step
>2912, dr[0.597,0.386], df[0.730,0.128], g[1.108,0.048]
1/1 [=====] - 0s 96ms/step
>2913, dr[0.590,0.658], df[0.625,0.058], g[1.399,0.033]
1/1 [=====] - 0s 89ms/step
>2914, dr[0.568,0.557], df[0.509,0.089], g[1.329,0.041]
1/1 [=====] - 0s 87ms/step
>2915, dr[0.661,0.287], df[0.463,0.061], g[1.153,0.032]
1/1 [=====] - 0s 104ms/step
>2916, dr[0.586,0.619], df[0.523,0.041], g[1.319,0.026]
1/1 [=====] - 0s 100ms/step
>2917, dr[0.586,0.243], df[0.503,0.052], g[0.921,0.032]
1/1 [=====] - 0s 98ms/step
>2918, dr[0.514,0.726], df[0.591,0.057], g[1.099,0.070]
1/1 [=====] - 0s 92ms/step
>2919, dr[0.568,0.354], df[0.700,0.061], g[1.114,0.108]
1/1 [=====] - 0s 98ms/step
>2920, dr[0.720,0.455], df[0.631,0.051], g[1.109,0.061]
1/1 [=====] - 0s 87ms/step
>2921, dr[0.473,0.447], df[0.589,0.079], g[1.161,0.066]
1/1 [=====] - 0s 86ms/step
>2922, dr[0.638,0.510], df[0.606,0.048], g[1.109,0.036]
1/1 [=====] - 0s 88ms/step
>2923, dr[0.662,0.417], df[0.569,0.042], g[1.098,0.062]
1/1 [=====] - 0s 86ms/step
>2924, dr[0.643,0.572], df[0.660,0.063], g[0.885,0.043]
1/1 [=====] - 0s 95ms/step
>2925, dr[0.455,0.557], df[0.559,0.067], g[1.019,0.079]
1/1 [=====] - 0s 93ms/step
>2926, dr[0.601,0.673], df[0.614,0.121], g[1.139,0.040]
1/1 [=====] - 0s 102ms/step
>2927, dr[0.633,0.575], df[0.557,0.061], g[1.063,0.070]
1/1 [=====] - 0s 159ms/step
>2928, dr[0.493,0.507], df[0.513,0.037], g[1.165,0.060]
1/1 [=====] - 0s 119ms/step
>2929, dr[0.497,0.276], df[0.710,0.030], g[1.024,0.061]
1/1 [=====] - 0s 150ms/step
>2930, dr[0.533,0.398], df[0.548,0.030], g[1.013,0.073]
1/1 [=====] - 0s 110ms/step
>2931, dr[0.591,0.568], df[0.443,0.034], g[1.142,0.062]
1/1 [=====] - 0s 116ms/step
>2932, dr[0.633,0.571], df[0.557,0.041], g[1.160,0.041]
1/1 [=====] - 0s 125ms/step
>2933, dr[0.510,0.529], df[0.527,0.030], g[1.151,0.033]
1/1 [=====] - 0s 101ms/step
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>2934, dr[0.505,0.387], df[0.640,0.057], g[0.982,0.049]
1/1 [=====] - 0s 94ms/step
>2935, dr[0.535,0.609], df[0.613,0.190], g[1.154,0.039]
1/1 [=====] - 0s 94ms/step
>2936, dr[0.662,0.340], df[0.618,0.032], g[1.101,0.053]
1/1 [=====] - 0s 125ms/step
>2937, dr[0.563,0.322], df[0.574,0.019], g[1.087,0.055]
1/1 [=====] - 0s 111ms/step
>2938, dr[0.672,0.547], df[0.586,0.047], g[1.131,0.055]
1/1 [=====] - 0s 95ms/step
>2939, dr[0.504,0.288], df[0.536,0.037], g[1.107,0.043]
1/1 [=====] - 0s 101ms/step
>2940, dr[0.673,0.498], df[0.647,0.017], g[0.949,0.054]
1/1 [=====] - 0s 121ms/step
>2941, dr[0.557,0.305], df[0.696,0.050], g[1.019,0.076]
1/1 [=====] - 0s 94ms/step
>2942, dr[0.556,0.326], df[0.632,0.035], g[1.034,0.039]
1/1 [=====] - 0s 98ms/step
>2943, dr[0.706,0.545], df[0.555,0.045], g[1.129,0.040]
1/1 [=====] - 0s 106ms/step
>2944, dr[0.572,0.306], df[0.724,0.145], g[1.217,0.040]
1/1 [=====] - 0s 96ms/step
>2945, dr[0.793,0.334], df[0.602,0.044], g[1.050,0.055]
1/1 [=====] - 0s 94ms/step
>2946, dr[0.646,0.283], df[0.701,0.066], g[1.030,0.090]
1/1 [=====] - 0s 102ms/step
>2947, dr[0.611,0.486], df[0.688,0.042], g[1.097,0.062]
1/1 [=====] - 0s 88ms/step
>2948, dr[0.537,0.538], df[0.699,0.032], g[1.181,0.029]
1/1 [=====] - 0s 95ms/step
>2949, dr[0.663,0.345], df[0.695,0.042], g[1.221,0.034]
1/1 [=====] - 0s 104ms/step
>2950, dr[0.552,0.895], df[0.556,0.059], g[1.142,0.116]
1/1 [=====] - 0s 92ms/step
>2951, dr[0.675,0.461], df[0.587,0.085], g[1.157,0.041]
1/1 [=====] - 0s 107ms/step
>2952, dr[0.501,0.462], df[0.451,0.043], g[1.104,0.079]
1/1 [=====] - 0s 101ms/step
>2953, dr[0.620,0.540], df[0.705,0.046], g[1.213,0.034]
1/1 [=====] - 0s 125ms/step
>2954, dr[0.587,0.361], df[0.517,0.029], g[1.120,0.035]
1/1 [=====] - 0s 97ms/step
>2955, dr[0.566,0.792], df[0.667,0.023], g[1.100,0.091]
1/1 [=====] - 0s 94ms/step
>2956, dr[0.494,0.331], df[0.721,0.171], g[1.005,0.069]
1/1 [=====] - 0s 87ms/step
>2957, dr[0.549,0.397], df[0.681,0.051], g[1.304,0.030]
1/1 [=====] - 0s 97ms/step
>2958, dr[0.595,0.529], df[0.393,0.027], g[1.114,0.056]
1/1 [=====] - 0s 101ms/step
>2959, dr[0.791,0.474], df[0.543,0.025], g[0.916,0.064]
1/1 [=====] - 0s 93ms/step
>2960, dr[0.674,0.381], df[0.774,0.035], g[1.088,0.109]
1/1 [=====] - 0s 89ms/step
>2961, dr[0.518,0.219], df[0.622,0.052], g[1.171,0.032]
1/1 [=====] - 0s 92ms/step
>2962, dr[0.719,0.528], df[0.789,0.094], g[1.238,0.050]
1/1 [=====] - 0s 88ms/step
>2963, dr[0.563,0.150], df[0.793,0.050], g[1.317,0.065]
1/1 [=====] - 0s 103ms/step
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>2964, dr[0.768,0.347], df[0.484,0.038], g[1.153,0.041]
1/1 [=====] - 0s 98ms/step
>2965, dr[0.610,0.302], df[0.609,0.057], g[1.341,0.055]
1/1 [=====] - 0s 115ms/step
>2966, dr[0.699,0.454], df[0.592,0.026], g[1.028,0.100]
1/1 [=====] - 0s 94ms/step
>2967, dr[0.544,0.402], df[0.621,0.023], g[1.160,0.037]
1/1 [=====] - 0s 173ms/step
>2968, dr[0.458,0.275], df[0.476,0.041], g[1.122,0.060]
1/1 [=====] - 0s 111ms/step
>2969, dr[0.695,0.696], df[0.517,0.026], g[1.064,0.062]
1/1 [=====] - 0s 92ms/step
>2970, dr[0.480,0.376], df[0.530,0.040], g[1.065,0.081]
1/1 [=====] - 0s 105ms/step
>2971, dr[0.548,0.843], df[0.575,0.032], g[0.996,0.048]
1/1 [=====] - 0s 104ms/step
>2972, dr[0.589,0.621], df[0.567,0.022], g[0.939,0.051]
1/1 [=====] - 0s 89ms/step
>2973, dr[0.617,0.475], df[0.691,0.032], g[0.937,0.057]
1/1 [=====] - 0s 124ms/step
>2974, dr[0.595,0.684], df[0.634,0.041], g[1.014,0.067]
1/1 [=====] - 0s 104ms/step
>2975, dr[0.521,0.249], df[0.595,0.049], g[1.100,0.117]
1/1 [=====] - 0s 113ms/step
>2976, dr[0.454,0.285], df[0.628,0.052], g[1.200,0.129]
1/1 [=====] - 0s 137ms/step
>2977, dr[0.766,0.457], df[0.697,0.064], g[1.036,0.061]
1/1 [=====] - 0s 109ms/step
>2978, dr[0.632,0.599], df[0.580,0.070], g[0.995,0.050]
1/1 [=====] - 0s 120ms/step
>2979, dr[0.694,0.662], df[0.549,0.031], g[1.154,0.043]
1/1 [=====] - 0s 111ms/step
>2980, dr[0.576,0.548], df[0.652,0.035], g[1.039,0.040]
1/1 [=====] - 0s 101ms/step
>2981, dr[0.576,0.414], df[0.543,0.153], g[0.955,0.058]
1/1 [=====] - 0s 97ms/step
>2982, dr[0.424,0.690], df[0.638,0.063], g[1.006,0.040]
1/1 [=====] - 0s 103ms/step
>2983, dr[0.556,0.571], df[0.571,0.016], g[1.165,0.076]
1/1 [=====] - 0s 109ms/step
>2984, dr[0.645,0.448], df[0.634,0.021], g[0.976,0.036]
1/1 [=====] - 0s 93ms/step
>2985, dr[0.480,0.575], df[0.837,0.044], g[1.084,0.066]
1/1 [=====] - 0s 101ms/step
>2986, dr[0.612,0.500], df[0.683,0.074], g[1.177,0.068]
1/1 [=====] - 0s 102ms/step
>2987, dr[0.738,0.400], df[0.599,0.042], g[0.956,0.055]
1/1 [=====] - 0s 105ms/step
>2988, dr[0.744,0.626], df[0.706,0.065], g[1.200,0.041]
1/1 [=====] - 0s 98ms/step
>2989, dr[0.556,0.771], df[0.595,0.038], g[1.139,0.036]
1/1 [=====] - 0s 101ms/step
>2990, dr[0.674,0.586], df[0.576,0.060], g[0.954,0.039]
1/1 [=====] - 0s 105ms/step
>2991, dr[0.649,0.280], df[0.706,0.065], g[1.106,0.067]
1/1 [=====] - 0s 98ms/step
>2992, dr[0.546,0.594], df[0.475,0.047], g[0.956,0.045]
1/1 [=====] - 0s 102ms/step
>2993, dr[0.674,0.902], df[0.556,0.102], g[1.033,0.061]
1/1 [=====] - 0s 120ms/step
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>2994, dr[0.516,0.252], df[0.524,0.058], g[0.983,0.045]
1/1 [=====] - 0s 99ms/step
>2995, dr[0.718,0.599], df[0.597,0.115], g[0.930,0.075]
1/1 [=====] - 0s 102ms/step
>2996, dr[0.517,0.508], df[0.553,0.055], g[0.964,0.066]
1/1 [=====] - 0s 108ms/step
>2997, dr[0.575,0.583], df[0.602,0.066], g[1.092,0.048]
1/1 [=====] - 0s 108ms/step
>2998, dr[0.729,0.431], df[0.654,0.037], g[0.984,0.056]
1/1 [=====] - 0s 108ms/step
>2999, dr[0.547,0.554], df[0.691,0.050], g[1.062,0.044]
1/1 [=====] - 0s 97ms/step
>3000, dr[0.518,0.456], df[0.732,0.024], g[1.138,0.079]
1/1 [=====] - 0s 104ms/step
>3001, dr[0.587,0.390], df[0.560,0.063], g[1.280,0.059]
1/1 [=====] - 0s 109ms/step
>3002, dr[0.648,0.488], df[0.547,0.033], g[1.179,0.040]
1/1 [=====] - 0s 107ms/step
>3003, dr[0.508,0.565], df[0.571,0.046], g[1.027,0.063]
1/1 [=====] - 0s 96ms/step
>3004, dr[0.554,0.553], df[0.670,0.096], g[1.160,0.076]
1/1 [=====] - 0s 94ms/step
>3005, dr[0.526,0.505], df[0.498,0.053], g[1.286,0.048]
1/1 [=====] - 0s 100ms/step
>3006, dr[0.526,0.463], df[0.769,0.062], g[1.232,0.041]
1/1 [=====] - 0s 101ms/step
>3007, dr[0.611,0.707], df[0.512,0.037], g[1.129,0.045]
1/1 [=====] - 0s 104ms/step
>3008, dr[0.771,0.515], df[0.571,0.104], g[1.019,0.088]
1/1 [=====] - 0s 95ms/step
>3009, dr[0.496,0.466], df[0.709,0.041], g[1.048,0.053]
1/1 [=====] - 0s 100ms/step
>3010, dr[0.538,0.280], df[0.584,0.084], g[1.216,0.038]
1/1 [=====] - 0s 103ms/step
>3011, dr[0.748,0.632], df[0.569,0.053], g[1.021,0.090]
1/1 [=====] - 0s 98ms/step
>3012, dr[0.648,0.695], df[0.530,0.054], g[0.954,0.069]
1/1 [=====] - 0s 105ms/step
>3013, dr[0.416,0.454], df[0.502,0.124], g[1.159,0.062]
1/1 [=====] - 0s 94ms/step
>3014, dr[0.622,0.389], df[0.396,0.012], g[1.073,0.061]
1/1 [=====] - 0s 100ms/step
>3015, dr[0.601,0.745], df[0.655,0.063], g[1.138,0.088]
1/1 [=====] - 0s 90ms/step
>3016, dr[0.345,0.496], df[0.499,0.066], g[1.085,0.037]
1/1 [=====] - 0s 91ms/step
>3017, dr[0.598,0.483], df[0.747,0.016], g[0.998,0.038]
1/1 [=====] - 0s 105ms/step
>3018, dr[0.665,0.511], df[0.527,0.015], g[0.990,0.075]
1/1 [=====] - 0s 110ms/step
>3019, dr[0.513,0.649], df[0.877,0.092], g[1.270,0.035]
1/1 [=====] - 0s 111ms/step
>3020, dr[0.551,0.915], df[0.603,0.025], g[1.041,0.080]
1/1 [=====] - 0s 85ms/step
>3021, dr[0.706,0.265], df[0.527,0.042], g[1.157,0.054]
1/1 [=====] - 0s 86ms/step
>3022, dr[0.489,0.374], df[0.560,0.063], g[1.194,0.034]
1/1 [=====] - 0s 88ms/step
>3023, dr[0.643,0.810], df[0.635,0.087], g[1.111,0.089]
1/1 [=====] - 0s 99ms/step
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>3024, dr[0.709,0.400], df[0.558,0.077], g[1.211,0.070]
1/1 [=====] - 0s 92ms/step
>3025, dr[0.681,0.685], df[0.636,0.030], g[0.982,0.090]
1/1 [=====] - 0s 104ms/step
>3026, dr[0.676,0.552], df[0.653,0.074], g[1.112,0.021]
1/1 [=====] - 0s 94ms/step
>3027, dr[0.666,0.532], df[0.752,0.072], g[1.098,0.064]
1/1 [=====] - 0s 91ms/step
>3028, dr[0.671,0.301], df[0.545,0.024], g[0.847,0.053]
1/1 [=====] - 0s 87ms/step
>3029, dr[0.562,0.630], df[0.634,0.034], g[0.944,0.043]
1/1 [=====] - 0s 87ms/step
>3030, dr[0.536,0.387], df[0.586,0.063], g[1.158,0.036]
1/1 [=====] - 0s 100ms/step
>3031, dr[0.593,0.475], df[0.754,0.031], g[0.995,0.102]
1/1 [=====] - 0s 89ms/step
>3032, dr[0.648,0.410], df[0.584,0.109], g[1.085,0.068]
1/1 [=====] - 0s 96ms/step
>3033, dr[0.555,0.415], df[0.623,0.029], g[1.060,0.053]
1/1 [=====] - 0s 88ms/step
>3034, dr[0.594,0.477], df[0.787,0.038], g[0.958,0.064]
1/1 [=====] - 0s 94ms/step
>3035, dr[0.630,0.473], df[0.663,0.049], g[1.011,0.083]
1/1 [=====] - 0s 105ms/step
>3036, dr[0.620,0.508], df[0.674,0.051], g[1.135,0.095]
1/1 [=====] - 0s 92ms/step
>3037, dr[0.523,0.906], df[0.604,0.037], g[1.189,0.047]
1/1 [=====] - 0s 98ms/step
>3038, dr[0.715,0.889], df[0.612,0.085], g[1.052,0.036]
1/1 [=====] - 0s 93ms/step
>3039, dr[0.654,0.375], df[0.533,0.041], g[1.206,0.063]
1/1 [=====] - 0s 95ms/step
>3040, dr[0.587,0.628], df[0.626,0.039], g[1.081,0.085]
1/1 [=====] - 0s 88ms/step
>3041, dr[0.693,0.381], df[0.637,0.066], g[1.110,0.047]
1/1 [=====] - 0s 90ms/step
>3042, dr[0.658,0.369], df[0.593,0.027], g[1.088,0.046]
1/1 [=====] - 0s 103ms/step
>3043, dr[0.622,0.603], df[0.700,0.070], g[1.097,0.036]
1/1 [=====] - 0s 94ms/step
>3044, dr[0.603,0.325], df[0.503,0.087], g[1.119,0.058]
1/1 [=====] - 0s 100ms/step
>3045, dr[0.540,0.567], df[0.468,0.025], g[1.029,0.116]
1/1 [=====] - 0s 87ms/step
>3046, dr[0.753,0.453], df[0.709,0.053], g[0.965,0.041]
1/1 [=====] - 0s 88ms/step
>3047, dr[0.528,0.305], df[0.660,0.033], g[0.954,0.035]
1/1 [=====] - 0s 90ms/step
>3048, dr[0.622,0.539], df[0.647,0.140], g[1.099,0.029]
1/1 [=====] - 0s 86ms/step
>3049, dr[0.456,0.887], df[0.428,0.130], g[0.982,0.028]
1/1 [=====] - 0s 97ms/step
>3050, dr[0.549,0.734], df[0.687,0.071], g[1.013,0.050]
1/1 [=====] - 0s 98ms/step
>3051, dr[0.588,0.524], df[0.524,0.037], g[1.002,0.057]
1/1 [=====] - 0s 108ms/step
>3052, dr[0.519,0.594], df[0.624,0.037], g[1.097,0.043]
1/1 [=====] - 0s 96ms/step
>3053, dr[0.497,0.826], df[0.477,0.033], g[1.096,0.058]
1/1 [=====] - 0s 86ms/step
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>3054, dr[0.650,0.408], df[0.659,0.079], g[0.929,0.046]
1/1 [=====] - 0s 101ms/step
>3055, dr[0.625,0.325], df[0.507,0.024], g[1.016,0.035]
1/1 [=====] - 0s 93ms/step
>3056, dr[0.674,0.661], df[0.676,0.025], g[0.894,0.051]
1/1 [=====] - 0s 93ms/step
>3057, dr[0.657,0.275], df[0.542,0.022], g[1.086,0.031]
1/1 [=====] - 0s 94ms/step
>3058, dr[0.581,0.387], df[0.720,0.038], g[0.929,0.055]
1/1 [=====] - 0s 101ms/step
>3059, dr[0.491,0.532], df[0.929,0.030], g[0.962,0.049]
1/1 [=====] - 0s 106ms/step
>3060, dr[0.577,0.730], df[0.712,0.029], g[1.270,0.055]
1/1 [=====] - 0s 88ms/step
>3061, dr[0.757,0.339], df[0.451,0.043], g[1.060,0.071]
1/1 [=====] - 0s 102ms/step
>3062, dr[0.775,0.237], df[0.493,0.056], g[1.088,0.065]
1/1 [=====] - 0s 88ms/step
>3063, dr[0.582,0.584], df[0.477,0.111], g[0.992,0.074]
1/1 [=====] - 0s 97ms/step
>3064, dr[0.543,0.653], df[0.621,0.042], g[0.957,0.020]
1/1 [=====] - 0s 90ms/step
>3065, dr[0.584,0.329], df[0.622,0.041], g[1.205,0.028]
1/1 [=====] - 0s 96ms/step
>3066, dr[0.600,0.528], df[0.584,0.049], g[0.956,0.050]
1/1 [=====] - 0s 94ms/step
>3067, dr[0.609,0.429], df[0.764,0.035], g[1.009,0.031]
1/1 [=====] - 0s 89ms/step
>3068, dr[0.378,0.580], df[0.628,0.084], g[0.984,0.041]
1/1 [=====] - 0s 94ms/step
>3069, dr[0.655,0.615], df[0.569,0.027], g[0.929,0.029]
1/1 [=====] - 0s 92ms/step
>3070, dr[0.640,0.478], df[0.770,0.077], g[0.982,0.030]
1/1 [=====] - 0s 89ms/step
>3071, dr[0.532,0.763], df[0.517,0.038], g[1.029,0.044]
1/1 [=====] - 0s 98ms/step
>3072, dr[0.561,0.600], df[0.594,0.046], g[1.042,0.026]
1/1 [=====] - 0s 86ms/step
>3073, dr[0.785,0.594], df[0.760,0.039], g[1.134,0.026]
1/1 [=====] - 0s 103ms/step
>3074, dr[0.574,0.855], df[0.536,0.043], g[1.098,0.026]
1/1 [=====] - 0s 92ms/step
>3075, dr[0.675,0.703], df[0.655,0.121], g[1.109,0.036]
1/1 [=====] - 0s 93ms/step
>3076, dr[0.838,0.573], df[0.608,0.065], g[0.926,0.039]
1/1 [=====] - 0s 95ms/step
>3077, dr[0.557,0.763], df[0.680,0.022], g[1.032,0.030]
1/1 [=====] - 0s 101ms/step
>3078, dr[0.527,0.651], df[0.702,0.066], g[0.987,0.061]
1/1 [=====] - 0s 100ms/step
>3079, dr[0.572,0.565], df[0.676,0.028], g[1.089,0.040]
1/1 [=====] - 0s 95ms/step
>3080, dr[0.608,0.631], df[0.573,0.068], g[1.171,0.051]
1/1 [=====] - 0s 89ms/step
>3081, dr[0.513,0.325], df[0.623,0.079], g[1.173,0.038]
1/1 [=====] - 0s 101ms/step
>3082, dr[0.715,0.431], df[0.672,0.057], g[1.060,0.036]
1/1 [=====] - 0s 97ms/step
>3083, dr[0.542,0.721], df[0.683,0.042], g[1.004,0.049]
1/1 [=====] - 0s 101ms/step
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>3084, dr[0.766,0.455], df[0.531,0.033], g[1.004,0.030]
1/1 [=====] - 0s 95ms/step
>3085, dr[0.652,0.326], df[0.546,0.041], g[0.972,0.041]
1/1 [=====] - 0s 95ms/step
>3086, dr[0.612,0.481], df[0.709,0.042], g[1.031,0.053]
1/1 [=====] - 0s 88ms/step
>3087, dr[0.590,0.495], df[0.514,0.011], g[0.850,0.035]
1/1 [=====] - 0s 95ms/step
>3088, dr[0.585,0.233], df[0.565,0.088], g[0.858,0.042]
1/1 [=====] - 0s 97ms/step
>3089, dr[0.447,0.647], df[0.751,0.037], g[0.912,0.037]
1/1 [=====] - 0s 90ms/step
>3090, dr[0.505,0.782], df[0.541,0.044], g[0.991,0.030]
1/1 [=====] - 0s 112ms/step
>3091, dr[0.439,0.290], df[0.388,0.037], g[1.091,0.043]
1/1 [=====] - 0s 91ms/step
>3092, dr[0.664,0.493], df[0.643,0.052], g[0.907,0.048]
1/1 [=====] - 0s 96ms/step
>3093, dr[0.764,0.551], df[0.610,0.041], g[1.097,0.049]
1/1 [=====] - 0s 91ms/step
>3094, dr[0.540,0.407], df[0.752,0.034], g[1.056,0.039]
1/1 [=====] - 0s 94ms/step
>3095, dr[0.566,0.702], df[0.720,0.032], g[1.225,0.059]
1/1 [=====] - 0s 97ms/step
>3096, dr[0.638,0.411], df[0.535,0.028], g[1.037,0.027]
1/1 [=====] - 0s 87ms/step
>3097, dr[0.557,0.276], df[0.512,0.017], g[1.079,0.025]
1/1 [=====] - 0s 89ms/step
>3098, dr[0.745,0.637], df[0.663,0.036], g[0.915,0.042]
1/1 [=====] - 0s 99ms/step
>3099, dr[0.579,0.283], df[0.621,0.045], g[1.095,0.016]
1/1 [=====] - 0s 103ms/step
>3100, dr[0.610,0.501], df[0.532,0.028], g[1.036,0.047]
1/1 [=====] - 0s 95ms/step
>3101, dr[0.523,0.562], df[0.784,0.064], g[1.128,0.034]
1/1 [=====] - 0s 94ms/step
>3102, dr[0.549,0.228], df[0.579,0.100], g[1.152,0.041]
1/1 [=====] - 0s 95ms/step
>3103, dr[0.654,0.352], df[0.680,0.054], g[1.233,0.044]
1/1 [=====] - 0s 89ms/step
>3104, dr[0.565,0.403], df[0.590,0.042], g[1.235,0.068]
1/1 [=====] - 0s 92ms/step
>3105, dr[0.561,0.583], df[0.471,0.044], g[1.167,0.093]
1/1 [=====] - 0s 88ms/step
>3106, dr[0.648,0.458], df[0.584,0.082], g[1.154,0.105]
1/1 [=====] - 0s 89ms/step
>3107, dr[0.561,0.619], df[0.594,0.032], g[1.010,0.047]
1/1 [=====] - 0s 98ms/step
>3108, dr[0.838,0.349], df[0.561,0.029], g[0.979,0.103]
1/1 [=====] - 0s 95ms/step
>3109, dr[0.622,0.542], df[0.615,0.078], g[0.946,0.049]
1/1 [=====] - 0s 103ms/step
>3110, dr[0.618,0.435], df[0.689,0.065], g[0.970,0.039]
1/1 [=====] - 0s 89ms/step
>3111, dr[0.584,0.557], df[0.573,0.112], g[0.910,0.061]
1/1 [=====] - 0s 89ms/step
>3112, dr[0.523,0.259], df[0.612,0.027], g[1.155,0.035]
1/1 [=====] - 0s 91ms/step
>3113, dr[0.702,0.522], df[0.714,0.062], g[0.913,0.042]
1/1 [=====] - 0s 89ms/step
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>3114, dr[0.641,0.324], df[0.532,0.041], g[1.133,0.041]
1/1 [=====] - 0s 98ms/step
>3115, dr[0.619,0.696], df[0.515,0.078], g[0.955,0.036]
1/1 [=====] - 0s 90ms/step
>3116, dr[0.634,0.347], df[0.566,0.033], g[1.017,0.085]
1/1 [=====] - 0s 102ms/step
>3117, dr[0.584,0.301], df[0.540,0.100], g[0.984,0.069]
1/1 [=====] - 0s 87ms/step
>3118, dr[0.599,0.453], df[0.691,0.031], g[0.947,0.041]
1/1 [=====] - 0s 94ms/step
>3119, dr[0.528,0.509], df[0.584,0.047], g[1.000,0.065]
1/1 [=====] - 0s 96ms/step
>3120, dr[0.546,0.550], df[0.638,0.067], g[1.057,0.055]
1/1 [=====] - 0s 107ms/step
>3121, dr[0.660,0.648], df[0.664,0.018], g[0.980,0.068]
1/1 [=====] - 0s 105ms/step
>3122, dr[0.583,0.598], df[0.472,0.055], g[1.136,0.059]
1/1 [=====] - 0s 94ms/step
>3123, dr[0.549,0.655], df[0.645,0.036], g[1.069,0.062]
1/1 [=====] - 0s 109ms/step
>3124, dr[0.638,0.667], df[0.683,0.036], g[0.917,0.048]
1/1 [=====] - 0s 98ms/step
>3125, dr[0.679,0.682], df[0.818,0.091], g[1.006,0.040]
1/1 [=====] - 0s 89ms/step
>3126, dr[0.748,0.528], df[0.705,0.063], g[1.207,0.078]
1/1 [=====] - 0s 102ms/step
>3127, dr[0.675,0.598], df[0.653,0.062], g[1.089,0.040]
1/1 [=====] - 0s 93ms/step
>3128, dr[0.680,0.936], df[0.537,0.082], g[1.139,0.055]
1/1 [=====] - 0s 89ms/step
>3129, dr[0.629,0.479], df[0.613,0.047], g[1.173,0.037]
1/1 [=====] - 0s 99ms/step
>3130, dr[0.579,0.334], df[0.684,0.088], g[1.035,0.038]
1/1 [=====] - 0s 98ms/step
>3131, dr[0.540,0.580], df[0.692,0.055], g[1.120,0.112]
1/1 [=====] - 0s 100ms/step
>3132, dr[0.711,0.374], df[0.561,0.096], g[1.011,0.028]
1/1 [=====] - 0s 98ms/step
>3133, dr[0.532,0.513], df[0.568,0.022], g[1.114,0.040]
1/1 [=====] - 0s 94ms/step
>3134, dr[0.675,0.823], df[0.750,0.052], g[0.961,0.043]
1/1 [=====] - 0s 94ms/step
>3135, dr[0.587,0.656], df[0.675,0.151], g[1.102,0.033]
1/1 [=====] - 0s 115ms/step
>3136, dr[0.752,0.514], df[0.628,0.099], g[0.906,0.134]
1/1 [=====] - 0s 109ms/step
>3137, dr[0.490,0.470], df[0.654,0.047], g[1.018,0.023]
1/1 [=====] - 0s 120ms/step
>3138, dr[0.492,0.486], df[0.696,0.025], g[0.938,0.051]
1/1 [=====] - 0s 114ms/step
>3139, dr[0.445,0.954], df[0.542,0.029], g[1.111,0.038]
1/1 [=====] - 0s 104ms/step
>3140, dr[0.629,0.399], df[0.589,0.050], g[1.009,0.041]
1/1 [=====] - 0s 103ms/step
>3141, dr[0.602,0.664], df[0.534,0.063], g[1.029,0.081]
1/1 [=====] - 0s 90ms/step
>3142, dr[0.553,0.485], df[0.626,0.040], g[0.999,0.034]
1/1 [=====] - 0s 97ms/step
>3143, dr[0.539,0.378], df[0.625,0.041], g[1.026,0.052]
1/1 [=====] - 0s 107ms/step
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>3144, dr[0.617,0.589], df[0.470,0.059], g[0.944,0.061]
1/1 [=====] - 0s 111ms/step
>3145, dr[0.494,0.356], df[0.552,0.027], g[1.305,0.034]
1/1 [=====] - 0s 96ms/step
>3146, dr[0.606,0.520], df[0.793,0.091], g[1.043,0.054]
1/1 [=====] - 0s 90ms/step
>3147, dr[0.684,0.404], df[0.627,0.044], g[1.002,0.033]
1/1 [=====] - 0s 104ms/step
>3148, dr[0.610,0.611], df[0.554,0.026], g[1.056,0.089]
1/1 [=====] - 0s 92ms/step
>3149, dr[0.632,0.390], df[0.692,0.020], g[1.038,0.058]
1/1 [=====] - 0s 102ms/step
>3150, dr[0.523,0.247], df[0.901,0.064], g[1.157,0.060]
1/1 [=====] - 0s 92ms/step
>3151, dr[0.547,0.410], df[0.614,0.026], g[1.221,0.040]
1/1 [=====] - 0s 96ms/step
>3152, dr[0.748,0.648], df[0.596,0.047], g[1.080,0.035]
1/1 [=====] - 0s 105ms/step
>3153, dr[0.681,0.777], df[0.493,0.060], g[1.073,0.058]
1/1 [=====] - 0s 97ms/step
>3154, dr[0.617,0.429], df[0.653,0.063], g[1.086,0.046]
1/1 [=====] - 0s 90ms/step
>3155, dr[0.569,0.494], df[0.601,0.050], g[1.114,0.072]
1/1 [=====] - 0s 90ms/step
>3156, dr[0.683,0.599], df[0.615,0.027], g[0.954,0.050]
1/1 [=====] - 0s 97ms/step
>3157, dr[0.575,0.302], df[0.655,0.030], g[0.918,0.052]
1/1 [=====] - 0s 99ms/step
>3158, dr[0.519,0.633], df[0.574,0.041], g[0.981,0.068]
1/1 [=====] - 0s 97ms/step
>3159, dr[0.593,0.553], df[0.507,0.036], g[1.053,0.048]
1/1 [=====] - 0s 101ms/step
>3160, dr[0.566,0.990], df[0.568,0.041], g[1.079,0.053]
1/1 [=====] - 0s 95ms/step
>3161, dr[0.548,0.494], df[0.708,0.092], g[0.982,0.086]
1/1 [=====] - 0s 91ms/step
>3162, dr[0.474,0.623], df[0.639,0.026], g[1.285,0.039]
1/1 [=====] - 0s 91ms/step
>3163, dr[0.614,0.456], df[0.689,0.066], g[1.159,0.082]
1/1 [=====] - 0s 89ms/step
>3164, dr[0.793,0.684], df[0.594,0.114], g[0.899,0.045]
1/1 [=====] - 0s 98ms/step
>3165, dr[0.704,0.643], df[0.659,0.043], g[1.046,0.058]
1/1 [=====] - 0s 97ms/step
>3166, dr[0.609,0.878], df[0.703,0.024], g[0.936,0.040]
1/1 [=====] - 0s 99ms/step
>3167, dr[0.702,0.373], df[0.633,0.101], g[0.952,0.047]
1/1 [=====] - 0s 98ms/step
>3168, dr[0.595,1.046], df[0.553,0.032], g[0.922,0.043]
1/1 [=====] - 0s 94ms/step
>3169, dr[0.594,0.801], df[0.652,0.047], g[1.034,0.058]
1/1 [=====] - 0s 103ms/step
>3170, dr[0.745,0.423], df[0.838,0.033], g[0.950,0.048]
1/1 [=====] - 0s 91ms/step
>3171, dr[0.799,0.522], df[0.640,0.020], g[0.864,0.043]
1/1 [=====] - 0s 100ms/step
>3172, dr[0.481,0.307], df[0.552,0.041], g[0.962,0.028]
1/1 [=====] - 0s 92ms/step
>3173, dr[0.729,0.698], df[0.616,0.035], g[0.868,0.067]
1/1 [=====] - 0s 98ms/step
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>3174, dr[0.524,0.399], df[0.791,0.031], g[0.843,0.033]
1/1 [=====] - 0s 114ms/step
>3175, dr[0.449,0.535], df[0.730,0.034], g[1.005,0.022]
1/1 [=====] - 0s 90ms/step
>3176, dr[0.530,0.285], df[0.619,0.060], g[1.056,0.036]
1/1 [=====] - 0s 163ms/step
>3177, dr[0.648,0.695], df[0.612,0.039], g[1.039,0.027]
1/1 [=====] - 0s 100ms/step
>3178, dr[0.632,0.561], df[0.410,0.040], g[0.993,0.054]
1/1 [=====] - 0s 102ms/step
>3179, dr[0.566,0.922], df[0.732,0.048], g[0.831,0.041]
1/1 [=====] - 0s 111ms/step
>3180, dr[0.581,0.635], df[0.658,0.093], g[0.814,0.053]
1/1 [=====] - 0s 100ms/step
>3181, dr[0.466,0.535], df[0.761,0.029], g[1.080,0.045]
1/1 [=====] - 0s 104ms/step
>3182, dr[0.565,0.192], df[0.399,0.102], g[0.937,0.060]
1/1 [=====] - 0s 110ms/step
>3183, dr[0.737,0.351], df[0.672,0.052], g[0.973,0.036]
1/1 [=====] - 0s 104ms/step
>3184, dr[0.547,0.422], df[0.693,0.128], g[1.165,0.058]
1/1 [=====] - 0s 143ms/step
>3185, dr[0.694,0.609], df[0.619,0.023], g[1.034,0.054]
1/1 [=====] - 0s 123ms/step
>3186, dr[0.614,0.410], df[0.561,0.018], g[0.889,0.045]
1/1 [=====] - 0s 104ms/step
>3187, dr[0.587,0.508], df[0.666,0.032], g[0.882,0.064]
1/1 [=====] - 0s 112ms/step
>3188, dr[0.535,0.681], df[0.687,0.028], g[0.985,0.058]
1/1 [=====] - 0s 112ms/step
>3189, dr[0.695,0.362], df[0.587,0.143], g[0.888,0.052]
1/1 [=====] - 0s 108ms/step
>3190, dr[0.707,0.660], df[0.674,0.023], g[1.092,0.105]
1/1 [=====] - 0s 108ms/step
>3191, dr[0.612,0.349], df[0.627,0.028], g[0.915,0.041]
1/1 [=====] - 0s 109ms/step
>3192, dr[0.652,0.379], df[0.574,0.021], g[0.947,0.075]
1/1 [=====] - 0s 114ms/step
>3193, dr[0.516,0.420], df[0.733,0.085], g[0.937,0.061]
1/1 [=====] - 0s 107ms/step
>3194, dr[0.567,0.505], df[0.522,0.067], g[0.994,0.070]
1/1 [=====] - 0s 115ms/step
>3195, dr[0.568,0.728], df[0.695,0.070], g[0.877,0.030]
1/1 [=====] - 0s 130ms/step
>3196, dr[0.610,0.381], df[0.707,0.016], g[1.136,0.068]
1/1 [=====] - 0s 115ms/step
>3197, dr[0.672,0.439], df[0.514,0.041], g[1.001,0.039]
1/1 [=====] - 0s 114ms/step
>3198, dr[0.569,0.570], df[0.592,0.023], g[0.879,0.066]
1/1 [=====] - 0s 123ms/step
>3199, dr[0.723,0.523], df[0.756,0.058], g[0.892,0.044]
1/1 [=====] - 0s 114ms/step
>3200, dr[0.592,0.485], df[0.807,0.072], g[0.948,0.049]
1/1 [=====] - 0s 125ms/step
>3201, dr[0.623,0.937], df[0.544,0.025], g[0.871,0.076]
1/1 [=====] - 0s 119ms/step
>3202, dr[0.726,0.630], df[0.621,0.023], g[0.930,0.040]
1/1 [=====] - 0s 98ms/step
>3203, dr[0.520,0.548], df[0.637,0.035], g[1.060,0.039]
1/1 [=====] - 0s 98ms/step
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>3204, dr[0.637,0.557], df[0.783,0.086], g[1.081,0.037]
1/1 [=====] - 0s 101ms/step
>3205, dr[0.655,0.510], df[0.619,0.100], g[1.079,0.051]
1/1 [=====] - 0s 97ms/step
>3206, dr[0.657,0.736], df[0.687,0.034], g[1.014,0.092]
1/1 [=====] - 0s 107ms/step
>3207, dr[0.720,0.451], df[0.630,0.051], g[1.044,0.085]
1/1 [=====] - 0s 104ms/step
>3208, dr[0.645,0.341], df[0.730,0.040], g[0.953,0.095]
1/1 [=====] - 0s 103ms/step
>3209, dr[0.692,0.240], df[0.647,0.069], g[1.123,0.041]
1/1 [=====] - 0s 103ms/step
>3210, dr[0.561,0.457], df[0.485,0.062], g[1.033,0.068]
1/1 [=====] - 0s 103ms/step
>3211, dr[0.579,0.407], df[0.659,0.063], g[0.935,0.040]
1/1 [=====] - 0s 94ms/step
>3212, dr[0.652,0.658], df[0.515,0.072], g[0.894,0.025]
1/1 [=====] - 0s 103ms/step
>3213, dr[0.603,0.465], df[0.649,0.029], g[0.873,0.036]
1/1 [=====] - 0s 91ms/step
>3214, dr[0.648,0.460], df[0.631,0.037], g[1.028,0.042]
1/1 [=====] - 0s 97ms/step
>3215, dr[0.588,0.746], df[0.708,0.031], g[0.939,0.072]
1/1 [=====] - 0s 92ms/step
>3216, dr[0.717,0.763], df[0.640,0.021], g[1.129,0.029]
1/1 [=====] - 0s 92ms/step
>3217, dr[0.561,0.418], df[0.817,0.028], g[1.131,0.031]
1/1 [=====] - 0s 100ms/step
>3218, dr[0.611,0.461], df[0.625,0.034], g[1.123,0.061]
1/1 [=====] - 0s 95ms/step
>3219, dr[0.736,0.899], df[0.708,0.072], g[1.065,0.039]
1/1 [=====] - 0s 98ms/step
>3220, dr[0.564,0.734], df[0.523,0.031], g[1.102,0.031]
1/1 [=====] - 0s 89ms/step
>3221, dr[0.675,0.713], df[0.665,0.029], g[0.964,0.041]
1/1 [=====] - 0s 98ms/step
>3222, dr[0.607,0.630], df[0.660,0.038], g[0.910,0.095]
1/1 [=====] - 0s 95ms/step
>3223, dr[0.649,0.207], df[0.746,0.083], g[1.134,0.032]
1/1 [=====] - 0s 100ms/step
>3224, dr[0.614,0.714], df[0.653,0.025], g[1.112,0.036]
1/1 [=====] - 0s 100ms/step
>3225, dr[0.600,0.247], df[0.584,0.050], g[1.051,0.028]
1/1 [=====] - 0s 91ms/step
>3226, dr[0.659,0.259], df[0.701,0.073], g[1.104,0.056]
1/1 [=====] - 0s 90ms/step
>3227, dr[0.667,0.297], df[0.559,0.079], g[1.041,0.041]
1/1 [=====] - 0s 92ms/step
>3228, dr[0.591,0.391], df[0.758,0.028], g[1.061,0.029]
1/1 [=====] - 0s 101ms/step
>3229, dr[0.558,0.366], df[0.609,0.043], g[1.071,0.036]
1/1 [=====] - 0s 100ms/step
>3230, dr[0.698,0.476], df[0.573,0.032], g[1.116,0.048]
1/1 [=====] - 0s 96ms/step
>3231, dr[0.481,0.443], df[0.632,0.146], g[1.175,0.044]
1/1 [=====] - 0s 100ms/step
>3232, dr[0.646,0.841], df[0.509,0.052], g[1.041,0.083]
1/1 [=====] - 0s 98ms/step
>3233, dr[0.699,0.576], df[0.584,0.053], g[1.152,0.040]
1/1 [=====] - 0s 102ms/step
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>3234, dr[0.715,0.890], df[0.656,0.029], g[1.001,0.024]
1/1 [=====] - 0s 107ms/step
>3235, dr[0.603,0.555], df[0.734,0.052], g[0.918,0.023]
1/1 [=====] - 0s 93ms/step
>3236, dr[0.588,0.284], df[0.665,0.037], g[1.082,0.049]
1/1 [=====] - 0s 95ms/step
>3237, dr[0.683,0.549], df[0.531,0.030], g[0.949,0.032]
1/1 [=====] - 0s 103ms/step
>3238, dr[0.694,0.467], df[0.682,0.047], g[1.059,0.047]
1/1 [=====] - 0s 98ms/step
>3239, dr[0.673,0.735], df[0.585,0.030], g[0.803,0.053]
1/1 [=====] - 0s 106ms/step
>3240, dr[0.594,0.518], df[0.656,0.077], g[0.954,0.038]
1/1 [=====] - 0s 93ms/step
>3241, dr[0.600,0.737], df[0.760,0.045], g[0.920,0.074]
1/1 [=====] - 0s 94ms/step
>3242, dr[0.541,0.336], df[0.705,0.078], g[1.057,0.039]
1/1 [=====] - 0s 92ms/step
>3243, dr[0.576,0.755], df[0.729,0.082], g[1.142,0.059]
1/1 [=====] - 0s 93ms/step
>3244, dr[0.734,0.415], df[0.732,0.098], g[1.009,0.034]
1/1 [=====] - 0s 108ms/step
>3245, dr[0.639,0.402], df[0.627,0.089], g[1.096,0.037]
1/1 [=====] - 0s 96ms/step
>3246, dr[0.665,0.492], df[0.727,0.060], g[1.001,0.039]
1/1 [=====] - 0s 100ms/step
>3247, dr[0.528,0.714], df[0.627,0.025], g[1.150,0.042]
1/1 [=====] - 0s 94ms/step
>3248, dr[0.666,0.344], df[0.573,0.038], g[0.989,0.091]
1/1 [=====] - 0s 91ms/step
>3249, dr[0.543,0.531], df[0.611,0.021], g[1.210,0.030]
1/1 [=====] - 0s 105ms/step
>3250, dr[0.704,0.658], df[0.560,0.044], g[0.967,0.077]
1/1 [=====] - 0s 98ms/step
>3251, dr[0.738,0.354], df[0.688,0.036], g[1.129,0.043]
1/1 [=====] - 0s 102ms/step
>3252, dr[0.567,0.521], df[0.633,0.033], g[1.134,0.061]
1/1 [=====] - 0s 94ms/step
>3253, dr[0.625,0.449], df[0.587,0.021], g[1.028,0.026]
1/1 [=====] - 0s 101ms/step
>3254, dr[0.654,0.225], df[0.573,0.075], g[1.135,0.043]
1/1 [=====] - 0s 102ms/step
>3255, dr[0.626,0.536], df[0.749,0.048], g[1.053,0.064]
1/1 [=====] - 0s 94ms/step
>3256, dr[0.619,0.611], df[0.692,0.065], g[1.100,0.039]
1/1 [=====] - 0s 98ms/step
>3257, dr[0.586,0.582], df[0.611,0.033], g[1.059,0.087]
1/1 [=====] - 0s 89ms/step
>3258, dr[0.516,0.281], df[0.551,0.017], g[1.002,0.038]
1/1 [=====] - 0s 105ms/step
>3259, dr[0.547,0.369], df[0.609,0.032], g[1.060,0.037]
1/1 [=====] - 0s 102ms/step
>3260, dr[0.605,0.600], df[0.621,0.164], g[1.057,0.039]
1/1 [=====] - 0s 94ms/step
>3261, dr[0.794,0.790], df[0.648,0.046], g[1.033,0.040]
1/1 [=====] - 0s 104ms/step
>3262, dr[0.602,0.565], df[0.648,0.051], g[1.110,0.051]
1/1 [=====] - 0s 97ms/step
>3263, dr[0.588,0.560], df[0.632,0.067], g[0.880,0.040]
1/1 [=====] - 0s 108ms/step
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>3264, dr[0.611,0.416], df[0.666,0.059], g[1.109,0.022]
1/1 [=====] - 0s 103ms/step
>3265, dr[0.569,0.425], df[0.693,0.092], g[0.916,0.049]
1/1 [=====] - 0s 99ms/step
>3266, dr[0.693,0.773], df[0.528,0.062], g[0.949,0.050]
1/1 [=====] - 0s 96ms/step
>3267, dr[0.508,0.869], df[0.624,0.040], g[1.096,0.048]
1/1 [=====] - 0s 92ms/step
>3268, dr[0.675,0.718], df[0.660,0.027], g[1.170,0.039]
1/1 [=====] - 0s 109ms/step
>3269, dr[0.683,0.835], df[0.544,0.210], g[1.034,0.026]
1/1 [=====] - 0s 120ms/step
>3270, dr[0.738,0.669], df[0.791,0.055], g[1.050,0.040]
1/1 [=====] - 0s 99ms/step
>3271, dr[0.621,0.285], df[0.645,0.042], g[0.992,0.071]
1/1 [=====] - 0s 94ms/step
>3272, dr[0.624,0.344], df[0.734,0.048], g[1.104,0.064]
1/1 [=====] - 0s 92ms/step
>3273, dr[0.633,0.582], df[0.604,0.027], g[1.073,0.041]
1/1 [=====] - 0s 111ms/step
>3274, dr[0.624,0.641], df[0.592,0.063], g[1.108,0.074]
1/1 [=====] - 0s 107ms/step
>3275, dr[0.661,0.641], df[0.601,0.090], g[1.031,0.029]
1/1 [=====] - 0s 104ms/step
>3276, dr[0.545,0.497], df[0.625,0.029], g[1.098,0.114]
1/1 [=====] - 0s 106ms/step
>3277, dr[0.779,0.516], df[0.575,0.034], g[1.019,0.038]
1/1 [=====] - 0s 99ms/step
>3278, dr[0.609,0.457], df[0.777,0.046], g[0.952,0.080]
1/1 [=====] - 0s 95ms/step
>3279, dr[0.642,0.486], df[0.543,0.034], g[0.987,0.079]
1/1 [=====] - 0s 100ms/step
>3280, dr[0.600,0.603], df[0.693,0.044], g[0.996,0.030]
1/1 [=====] - 0s 102ms/step
>3281, dr[0.718,0.687], df[0.588,0.024], g[1.057,0.049]
1/1 [=====] - 0s 100ms/step
>3282, dr[0.651,0.499], df[0.609,0.061], g[0.957,0.044]
1/1 [=====] - 0s 111ms/step
>3283, dr[0.660,0.584], df[0.794,0.044], g[1.059,0.053]
1/1 [=====] - 0s 110ms/step
>3284, dr[0.534,0.345], df[0.761,0.031], g[0.882,0.119]
1/1 [=====] - 0s 100ms/step
>3285, dr[0.703,0.490], df[0.541,0.046], g[1.102,0.038]
1/1 [=====] - 0s 108ms/step
>3286, dr[0.585,0.579], df[0.662,0.026], g[0.964,0.061]
1/1 [=====] - 0s 91ms/step
>3287, dr[0.673,0.331], df[0.654,0.040], g[1.047,0.062]
1/1 [=====] - 0s 98ms/step
>3288, dr[0.582,0.678], df[0.592,0.026], g[0.984,0.046]
1/1 [=====] - 0s 106ms/step
>3289, dr[0.580,0.321], df[0.529,0.016], g[0.957,0.033]
1/1 [=====] - 0s 94ms/step
>3290, dr[0.558,0.508], df[0.670,0.043], g[1.035,0.044]
1/1 [=====] - 0s 98ms/step
>3291, dr[0.592,0.558], df[0.629,0.041], g[0.909,0.041]
1/1 [=====] - 0s 103ms/step
>3292, dr[0.445,0.428], df[0.724,0.033], g[1.103,0.046]
1/1 [=====] - 0s 101ms/step
>3293, dr[0.565,0.399], df[0.597,0.063], g[1.002,0.037]
1/1 [=====] - 0s 95ms/step
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>3294, dr[0.738,0.483], df[0.683,0.024], g[1.066,0.050]
1/1 [=====] - 0s 96ms/step
>3295, dr[0.634,0.609], df[0.563,0.030], g[1.032,0.057]
1/1 [=====] - 0s 96ms/step
>3296, dr[0.605,0.426], df[0.507,0.153], g[1.149,0.030]
1/1 [=====] - 0s 90ms/step
>3297, dr[0.710,0.573], df[0.645,0.026], g[1.105,0.037]
1/1 [=====] - 0s 100ms/step
>3298, dr[0.550,0.274], df[0.637,0.029], g[0.949,0.060]
1/1 [=====] - 0s 97ms/step
>3299, dr[0.579,0.333], df[0.682,0.020], g[0.956,0.055]
1/1 [=====] - 0s 98ms/step
>3300, dr[0.540,0.438], df[0.609,0.043], g[0.994,0.025]
1/1 [=====] - 0s 96ms/step
>3301, dr[0.624,0.447], df[0.641,0.023], g[1.051,0.040]
1/1 [=====] - 0s 93ms/step
>3302, dr[0.657,0.709], df[0.582,0.035], g[1.014,0.040]
1/1 [=====] - 0s 100ms/step
>3303, dr[0.780,0.692], df[0.672,0.033], g[1.004,0.050]
1/1 [=====] - 0s 92ms/step
>3304, dr[0.604,0.312], df[0.669,0.049], g[0.977,0.051]
1/1 [=====] - 0s 106ms/step
>3305, dr[0.598,0.503], df[0.697,0.033], g[0.893,0.067]
1/1 [=====] - 0s 98ms/step
>3306, dr[0.726,0.666], df[0.581,0.039], g[0.867,0.027]
1/1 [=====] - 0s 90ms/step
>3307, dr[0.575,0.697], df[0.673,0.034], g[1.047,0.075]
1/1 [=====] - 0s 101ms/step
>3308, dr[0.611,0.352], df[0.596,0.052], g[1.043,0.045]
1/1 [=====] - 0s 99ms/step
>3309, dr[0.670,0.623], df[0.522,0.031], g[0.973,0.039]
1/1 [=====] - 0s 98ms/step
>3310, dr[0.470,0.674], df[0.540,0.082], g[1.023,0.027]
1/1 [=====] - 0s 89ms/step
>3311, dr[0.602,0.249], df[0.605,0.039], g[0.945,0.073]
1/1 [=====] - 0s 101ms/step
>3312, dr[0.742,0.627], df[0.743,0.022], g[0.991,0.069]
1/1 [=====] - 0s 112ms/step
>3313, dr[0.588,0.263], df[0.609,0.028], g[0.910,0.039]
1/1 [=====] - 0s 92ms/step
>3314, dr[0.585,0.668], df[0.765,0.082], g[1.037,0.070]
1/1 [=====] - 0s 95ms/step
>3315, dr[0.546,0.697], df[0.689,0.026], g[1.015,0.068]
1/1 [=====] - 0s 94ms/step
>3316, dr[0.658,0.629], df[0.499,0.024], g[1.066,0.040]
1/1 [=====] - 0s 92ms/step
>3317, dr[0.602,0.685], df[0.715,0.046], g[0.953,0.061]
1/1 [=====] - 0s 104ms/step
>3318, dr[0.483,0.586], df[0.704,0.068], g[1.011,0.065]
1/1 [=====] - 0s 105ms/step
>3319, dr[0.701,0.449], df[0.721,0.023], g[0.964,0.039]
1/1 [=====] - 0s 96ms/step
>3320, dr[0.523,0.355], df[0.626,0.073], g[0.979,0.048]
1/1 [=====] - 0s 100ms/step
>3321, dr[0.683,0.425], df[0.585,0.034], g[1.129,0.041]
1/1 [=====] - 0s 102ms/step
>3322, dr[0.709,0.489], df[0.531,0.035], g[0.996,0.053]
1/1 [=====] - 0s 101ms/step
>3323, dr[0.588,0.365], df[0.688,0.053], g[1.007,0.057]
1/1 [=====] - 0s 107ms/step
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>3324, dr[0.599,0.617], df[0.713,0.041], g[0.953,0.059]
1/1 [=====] - 0s 102ms/step
>3325, dr[0.597,0.358], df[0.588,0.036], g[0.956,0.043]
1/1 [=====] - 0s 100ms/step
>3326, dr[0.636,0.490], df[0.646,0.019], g[1.134,0.044]
1/1 [=====] - 0s 91ms/step
>3327, dr[0.637,0.436], df[0.654,0.074], g[1.004,0.028]
1/1 [=====] - 0s 103ms/step
>3328, dr[0.759,0.532], df[0.584,0.034], g[0.919,0.069]
1/1 [=====] - 0s 92ms/step
>3329, dr[0.759,0.756], df[0.641,0.112], g[0.852,0.031]
1/1 [=====] - 0s 99ms/step
>3330, dr[0.623,0.426], df[0.608,0.029], g[1.045,0.049]
1/1 [=====] - 0s 102ms/step
>3331, dr[0.578,0.404], df[0.801,0.031], g[0.959,0.030]
1/1 [=====] - 0s 97ms/step
>3332, dr[0.641,0.143], df[0.696,0.090], g[0.954,0.053]
1/1 [=====] - 0s 112ms/step
>3333, dr[0.700,0.315], df[0.579,0.067], g[0.846,0.050]
1/1 [=====] - 0s 110ms/step
>3334, dr[0.478,0.398], df[0.711,0.040], g[1.099,0.052]
1/1 [=====] - 0s 104ms/step
>3335, dr[0.661,0.613], df[0.710,0.027], g[1.091,0.039]
1/1 [=====] - 0s 139ms/step
>3336, dr[0.584,0.581], df[0.633,0.039], g[1.078,0.082]
1/1 [=====] - 0s 104ms/step
>3337, dr[0.671,0.453], df[0.547,0.025], g[1.107,0.040]
1/1 [=====] - 0s 120ms/step
>3338, dr[0.617,0.295], df[0.579,0.016], g[0.950,0.041]
1/1 [=====] - 0s 112ms/step
>3339, dr[0.652,0.844], df[0.594,0.034], g[0.964,0.026]
1/1 [=====] - 0s 105ms/step
>3340, dr[0.557,0.452], df[0.797,0.040], g[1.031,0.020]
1/1 [=====] - 0s 103ms/step
>3341, dr[0.609,0.442], df[0.632,0.029], g[1.173,0.038]
1/1 [=====] - 0s 104ms/step
>3342, dr[0.843,0.499], df[0.694,0.034], g[0.910,0.062]
1/1 [=====] - 0s 103ms/step
>3343, dr[0.625,0.501], df[0.740,0.047], g[0.994,0.026]
1/1 [=====] - 0s 107ms/step
>3344, dr[0.577,0.869], df[0.552,0.017], g[0.911,0.047]
1/1 [=====] - 0s 104ms/step
>3345, dr[0.693,0.410], df[0.653,0.039], g[1.062,0.094]
1/1 [=====] - 0s 101ms/step
>3346, dr[0.664,0.623], df[0.540,0.024], g[1.009,0.040]
1/1 [=====] - 0s 94ms/step
>3347, dr[0.425,0.453], df[0.706,0.054], g[1.026,0.050]
1/1 [=====] - 0s 107ms/step
>3348, dr[0.619,0.404], df[0.648,0.023], g[1.047,0.065]
1/1 [=====] - 0s 93ms/step
>3349, dr[0.545,0.760], df[0.486,0.025], g[1.041,0.060]
1/1 [=====] - 0s 96ms/step
>3350, dr[0.662,0.517], df[0.637,0.017], g[1.031,0.033]
1/1 [=====] - 0s 102ms/step
>3351, dr[0.642,0.378], df[0.596,0.034], g[0.938,0.034]
1/1 [=====] - 0s 97ms/step
>3352, dr[0.591,0.512], df[0.769,0.032], g[0.945,0.074]
1/1 [=====] - 0s 100ms/step
>3353, dr[0.583,0.585], df[0.564,0.072], g[1.040,0.062]
1/1 [=====] - 0s 91ms/step
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>3354, dr[0.799,0.186], df[0.519,0.051], g[1.001,0.036]
1/1 [=====] - 0s 96ms/step
>3355, dr[0.577,0.426], df[0.729,0.071], g[1.119,0.029]
1/1 [=====] - 0s 97ms/step
>3356, dr[0.661,0.354], df[0.590,0.079], g[0.980,0.032]
1/1 [=====] - 0s 104ms/step
>3357, dr[0.539,0.644], df[0.571,0.017], g[1.121,0.038]
1/1 [=====] - 0s 112ms/step
>3358, dr[0.606,0.776], df[0.583,0.107], g[1.063,0.028]
1/1 [=====] - 0s 94ms/step
>3359, dr[0.729,0.668], df[0.679,0.043], g[0.858,0.047]
1/1 [=====] - 0s 94ms/step
>3360, dr[0.497,0.417], df[0.740,0.051], g[1.011,0.077]
1/1 [=====] - 0s 100ms/step
>3361, dr[0.536,0.179], df[0.590,0.038], g[1.041,0.041]
1/1 [=====] - 0s 100ms/step
>3362, dr[0.716,0.451], df[0.603,0.023], g[1.028,0.053]
1/1 [=====] - 0s 101ms/step
>3363, dr[0.679,0.698], df[0.692,0.043], g[1.034,0.048]
1/1 [=====] - 0s 100ms/step
>3364, dr[0.602,0.640], df[0.589,0.051], g[0.964,0.035]
1/1 [=====] - 0s 95ms/step
>3365, dr[0.625,0.294], df[0.742,0.040], g[0.841,0.042]
1/1 [=====] - 0s 103ms/step
>3366, dr[0.600,0.862], df[0.678,0.031], g[0.947,0.030]
1/1 [=====] - 0s 93ms/step
>3367, dr[0.561,0.622], df[0.562,0.056], g[1.153,0.030]
1/1 [=====] - 0s 96ms/step
>3368, dr[0.611,0.422], df[0.540,0.028], g[1.102,0.027]
1/1 [=====] - 0s 100ms/step
>3369, dr[0.695,0.948], df[0.523,0.043], g[1.141,0.057]
1/1 [=====] - 0s 100ms/step
>3370, dr[0.586,0.690], df[0.711,0.045], g[1.016,0.037]
1/1 [=====] - 0s 95ms/step
>3371, dr[0.516,0.582], df[0.715,0.059], g[1.028,0.041]
1/1 [=====] - 0s 95ms/step
>3372, dr[0.486,0.798], df[0.634,0.042], g[1.098,0.053]
1/1 [=====] - 0s 114ms/step
>3373, dr[0.715,0.277], df[0.762,0.056], g[1.062,0.038]
1/1 [=====] - 0s 111ms/step
>3374, dr[0.810,0.435], df[0.598,0.055], g[1.055,0.035]
1/1 [=====] - 0s 116ms/step
>3375, dr[0.634,0.660], df[0.497,0.021], g[0.961,0.053]
1/1 [=====] - 0s 120ms/step
>3376, dr[0.696,0.602], df[0.658,0.051], g[0.967,0.035]
1/1 [=====] - 0s 120ms/step
>3377, dr[0.636,0.424], df[0.542,0.024], g[0.977,0.038]
1/1 [=====] - 0s 114ms/step
>3378, dr[0.682,0.386], df[0.663,0.017], g[0.813,0.054]
1/1 [=====] - 0s 120ms/step
>3379, dr[0.532,0.659], df[0.712,0.044], g[1.053,0.035]
1/1 [=====] - 0s 122ms/step
>3380, dr[0.689,0.508], df[0.781,0.035], g[0.988,0.019]
1/1 [=====] - 0s 115ms/step
>3381, dr[0.565,0.408], df[0.690,0.091], g[1.210,0.047]
1/1 [=====] - 0s 112ms/step
>3382, dr[0.704,0.445], df[0.590,0.047], g[1.073,0.050]
1/1 [=====] - 0s 106ms/step
>3383, dr[0.602,0.677], df[0.599,0.050], g[0.929,0.027]
1/1 [=====] - 0s 124ms/step
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>3384, dr[0.652,0.514], df[0.605,0.048], g[1.037,0.057]
1/1 [=====] - 0s 136ms/step
>3385, dr[0.579,0.525], df[0.683,0.038], g[0.948,0.086]
1/1 [=====] - 0s 121ms/step
>3386, dr[0.718,0.426], df[0.669,0.043], g[0.900,0.048]
1/1 [=====] - 0s 116ms/step
>3387, dr[0.523,0.301], df[0.717,0.031], g[0.972,0.046]
1/1 [=====] - 0s 107ms/step
>3388, dr[0.523,0.340], df[0.611,0.034], g[1.209,0.044]
1/1 [=====] - 0s 117ms/step
>3389, dr[0.814,0.411], df[0.621,0.062], g[1.006,0.056]
1/1 [=====] - 0s 113ms/step
>3390, dr[0.584,0.310], df[0.719,0.019], g[1.063,0.022]
1/1 [=====] - 0s 113ms/step
>3391, dr[0.683,0.427], df[0.601,0.044], g[0.896,0.056]
1/1 [=====] - 0s 117ms/step
>3392, dr[0.721,0.540], df[0.626,0.055], g[0.968,0.035]
1/1 [=====] - 0s 117ms/step
>3393, dr[0.579,0.574], df[0.784,0.043], g[0.959,0.032]
1/1 [=====] - 0s 110ms/step
>3394, dr[0.662,0.791], df[0.619,0.084], g[0.992,0.031]
1/1 [=====] - 0s 110ms/step
>3395, dr[0.579,0.531], df[0.629,0.048], g[0.934,0.054]
1/1 [=====] - 0s 122ms/step
>3396, dr[0.607,0.363], df[0.597,0.047], g[1.052,0.025]
1/1 [=====] - 0s 106ms/step
>3397, dr[0.576,0.651], df[0.682,0.033], g[0.987,0.061]
1/1 [=====] - 0s 103ms/step
>3398, dr[0.594,0.394], df[0.675,0.041], g[0.977,0.063]
1/1 [=====] - 0s 119ms/step
>3399, dr[0.608,0.480], df[0.596,0.045], g[1.042,0.031]
1/1 [=====] - 0s 104ms/step
>3400, dr[0.698,0.577], df[0.720,0.053], g[1.003,0.059]
1/1 [=====] - 0s 104ms/step
>3401, dr[0.753,0.237], df[0.672,0.014], g[0.965,0.067]
1/1 [=====] - 0s 109ms/step
>3402, dr[0.651,0.369], df[0.697,0.065], g[1.003,0.043]
1/1 [=====] - 0s 114ms/step
>3403, dr[0.719,0.330], df[0.523,0.039], g[0.936,0.025]
1/1 [=====] - 0s 104ms/step
>3404, dr[0.756,0.322], df[0.568,0.036], g[0.896,0.059]
1/1 [=====] - 0s 110ms/step
>3405, dr[0.692,0.411], df[0.631,0.018], g[0.891,0.047]
1/1 [=====] - 0s 109ms/step
>3406, dr[0.485,0.463], df[0.766,0.014], g[0.935,0.055]
1/1 [=====] - 0s 112ms/step
>3407, dr[0.773,0.290], df[0.614,0.031], g[0.858,0.036]
1/1 [=====] - 0s 100ms/step
>3408, dr[0.566,0.489], df[0.685,0.071], g[0.955,0.048]
1/1 [=====] - 0s 101ms/step
>3409, dr[0.567,0.671], df[0.613,0.023], g[0.951,0.077]
1/1 [=====] - 0s 109ms/step
>3410, dr[0.577,0.750], df[0.651,0.039], g[0.938,0.034]
1/1 [=====] - 0s 112ms/step
>3411, dr[0.637,0.523], df[0.626,0.016], g[0.995,0.052]
1/1 [=====] - 0s 98ms/step
>3412, dr[0.715,0.280], df[0.684,0.027], g[0.930,0.055]
1/1 [=====] - 0s 111ms/step
>3413, dr[0.533,0.232], df[0.657,0.112], g[0.907,0.051]
1/1 [=====] - 0s 102ms/step
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>3414, dr[0.683,0.573], df[0.630,0.036], g[0.995,0.031]
1/1 [=====] - 0s 99ms/step
>3415, dr[0.584,0.641], df[0.574,0.033], g[1.002,0.076]
1/1 [=====] - 0s 105ms/step
>3416, dr[0.612,0.657], df[0.705,0.035], g[1.047,0.027]
1/1 [=====] - 0s 98ms/step
>3417, dr[0.620,0.527], df[0.571,0.028], g[0.891,0.057]
1/1 [=====] - 0s 99ms/step
>3418, dr[0.711,0.515], df[0.829,0.012], g[1.002,0.044]
1/1 [=====] - 0s 94ms/step
>3419, dr[0.620,0.605], df[0.739,0.022], g[1.189,0.048]
1/1 [=====] - 0s 96ms/step
>3420, dr[0.534,0.587], df[0.516,0.027], g[1.126,0.031]
1/1 [=====] - 0s 118ms/step
>3421, dr[0.530,0.594], df[0.508,0.048], g[1.047,0.050]
1/1 [=====] - 0s 96ms/step
>3422, dr[0.661,0.424], df[0.557,0.019], g[1.003,0.051]
1/1 [=====] - 0s 96ms/step
>3423, dr[0.842,0.633], df[0.685,0.032], g[0.947,0.063]
1/1 [=====] - 0s 99ms/step
>3424, dr[0.556,0.481], df[0.631,0.027], g[0.956,0.040]
1/1 [=====] - 0s 99ms/step
>3425, dr[0.523,0.448], df[0.704,0.063], g[0.928,0.044]
1/1 [=====] - 0s 106ms/step
>3426, dr[0.727,0.542], df[0.746,0.058], g[0.923,0.049]
1/1 [=====] - 0s 109ms/step
>3427, dr[0.656,0.539], df[0.568,0.032], g[1.036,0.113]
1/1 [=====] - 0s 120ms/step
>3428, dr[0.638,0.270], df[0.625,0.051], g[0.972,0.074]
1/1 [=====] - 0s 120ms/step
>3429, dr[0.585,0.516], df[0.591,0.065], g[0.938,0.034]
1/1 [=====] - 0s 99ms/step
>3430, dr[0.549,0.493], df[0.551,0.046], g[1.089,0.039]
1/1 [=====] - 0s 112ms/step
>3431, dr[0.807,0.681], df[0.598,0.035], g[0.952,0.041]
1/1 [=====] - 0s 109ms/step
>3432, dr[0.729,0.734], df[0.598,0.029], g[0.897,0.078]
1/1 [=====] - 0s 117ms/step
>3433, dr[0.643,0.574], df[0.713,0.037], g[0.839,0.063]
1/1 [=====] - 0s 110ms/step
>3434, dr[0.462,0.517], df[0.578,0.039], g[0.889,0.040]
1/1 [=====] - 0s 109ms/step
>3435, dr[0.569,0.661], df[0.761,0.062], g[1.008,0.047]
1/1 [=====] - 0s 98ms/step
>3436, dr[0.653,0.288], df[0.553,0.041], g[0.968,0.040]
1/1 [=====] - 0s 105ms/step
>3437, dr[0.550,0.320], df[0.698,0.036], g[0.961,0.086]
1/1 [=====] - 0s 115ms/step
>3438, dr[0.642,0.295], df[0.579,0.136], g[1.116,0.020]
1/1 [=====] - 0s 101ms/step
>3439, dr[0.649,0.619], df[0.627,0.069], g[0.859,0.078]
1/1 [=====] - 0s 114ms/step
>3440, dr[0.578,0.691], df[0.624,0.037], g[1.058,0.024]
1/1 [=====] - 0s 124ms/step
>3441, dr[0.568,0.548], df[0.554,0.084], g[0.838,0.042]
1/1 [=====] - 0s 114ms/step
>3442, dr[0.550,0.403], df[0.722,0.079], g[0.884,0.052]
1/1 [=====] - 0s 104ms/step
>3443, dr[0.793,0.609], df[0.677,0.070], g[0.958,0.042]
1/1 [=====] - 0s 108ms/step
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>3444, dr[0.724,0.414], df[0.759,0.073], g[0.879,0.063]
1/1 [=====] - 0s 105ms/step
>3445, dr[0.601,0.317], df[0.749,0.032], g[0.811,0.061]
1/1 [=====] - 0s 98ms/step
>3446, dr[0.622,0.572], df[0.650,0.048], g[0.999,0.028]
1/1 [=====] - 0s 107ms/step
>3447, dr[0.556,0.397], df[0.551,0.039], g[0.879,0.051]
1/1 [=====] - 0s 102ms/step
>3448, dr[0.570,0.805], df[0.612,0.022], g[1.116,0.045]
1/1 [=====] - 0s 98ms/step
>3449, dr[0.831,0.557], df[0.671,0.022], g[1.038,0.044]
1/1 [=====] - 0s 96ms/step
>3450, dr[0.487,0.438], df[0.616,0.043], g[0.942,0.031]
1/1 [=====] - 0s 121ms/step
>3451, dr[0.669,0.736], df[0.496,0.036], g[0.907,0.035]
1/1 [=====] - 0s 105ms/step
>3452, dr[0.591,0.550], df[0.573,0.038], g[0.961,0.043]
1/1 [=====] - 0s 128ms/step
>3453, dr[0.530,0.417], df[0.653,0.037], g[0.983,0.024]
1/1 [=====] - 0s 125ms/step
>3454, dr[0.695,0.863], df[0.659,0.020], g[0.995,0.047]
1/1 [=====] - 0s 123ms/step
>3455, dr[0.609,0.499], df[0.541,0.026], g[0.967,0.045]
1/1 [=====] - 0s 134ms/step
>3456, dr[0.718,0.801], df[0.616,0.039], g[0.886,0.028]
1/1 [=====] - 0s 119ms/step
>3457, dr[0.711,0.477], df[0.623,0.039], g[0.907,0.054]
1/1 [=====] - 0s 126ms/step
>3458, dr[0.581,0.512], df[0.595,0.044], g[0.997,0.049]
1/1 [=====] - 0s 117ms/step
>3459, dr[0.638,0.602], df[0.629,0.042], g[1.005,0.046]
1/1 [=====] - 0s 109ms/step
>3460, dr[0.657,0.698], df[0.818,0.023], g[0.962,0.046]
1/1 [=====] - 0s 109ms/step
>3461, dr[0.680,0.539], df[0.641,0.053], g[0.933,0.055]
1/1 [=====] - 0s 124ms/step
>3462, dr[0.654,0.489], df[0.629,0.027], g[0.952,0.020]
1/1 [=====] - 0s 129ms/step
>3463, dr[0.605,0.512], df[0.594,0.062], g[0.951,0.062]
1/1 [=====] - 0s 116ms/step
>3464, dr[0.623,0.552], df[0.619,0.053], g[0.996,0.061]
1/1 [=====] - 0s 126ms/step
>3465, dr[0.567,0.349], df[0.588,0.030], g[0.903,0.058]
1/1 [=====] - 0s 102ms/step
>3466, dr[0.558,0.329], df[0.537,0.040], g[0.907,0.045]
1/1 [=====] - 0s 104ms/step
>3467, dr[0.582,0.425], df[0.603,0.034], g[0.868,0.028]
1/1 [=====] - 0s 95ms/step
>3468, dr[0.597,0.385], df[0.649,0.036], g[0.926,0.083]
1/1 [=====] - 0s 101ms/step
>3469, dr[0.654,0.591], df[0.707,0.053], g[0.942,0.050]
1/1 [=====] - 0s 111ms/step
>3470, dr[0.704,0.459], df[0.712,0.019], g[0.849,0.057]
1/1 [=====] - 0s 104ms/step
>3471, dr[0.627,0.808], df[0.556,0.049], g[0.958,0.081]
1/1 [=====] - 0s 99ms/step
>3472, dr[0.639,0.387], df[0.566,0.042], g[0.876,0.031]
1/1 [=====] - 0s 108ms/step
>3473, dr[0.512,0.362], df[0.875,0.074], g[0.889,0.034]
1/1 [=====] - 0s 95ms/step
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>3474, dr[0.636,0.351], df[0.599,0.029], g[0.920,0.028]
1/1 [=====] - 0s 109ms/step
>3475, dr[0.683,0.321], df[0.585,0.052], g[1.024,0.044]
1/1 [=====] - 0s 113ms/step
>3476, dr[0.559,0.428], df[0.756,0.068], g[1.022,0.081]
1/1 [=====] - 0s 102ms/step
>3477, dr[0.598,0.688], df[0.684,0.058], g[0.939,0.034]
1/1 [=====] - 0s 105ms/step
>3478, dr[0.719,0.541], df[0.585,0.033], g[1.057,0.039]
1/1 [=====] - 0s 101ms/step
>3479, dr[0.661,0.786], df[0.722,0.049], g[0.996,0.070]
1/1 [=====] - 0s 95ms/step
>3480, dr[0.703,0.508], df[0.710,0.066], g[0.937,0.043]
1/1 [=====] - 0s 107ms/step
>3481, dr[0.689,0.664], df[0.594,0.039], g[1.073,0.028]
1/1 [=====] - 0s 101ms/step
>3482, dr[0.822,0.266], df[0.739,0.064], g[1.017,0.031]
1/1 [=====] - 0s 106ms/step
>3483, dr[0.620,0.664], df[0.536,0.035], g[0.988,0.031]
1/1 [=====] - 0s 100ms/step
>3484, dr[0.503,0.468], df[0.543,0.054], g[0.996,0.039]
1/1 [=====] - 0s 96ms/step
>3485, dr[0.729,0.538], df[0.720,0.052], g[0.986,0.055]
1/1 [=====] - 0s 110ms/step
>3486, dr[0.592,0.537], df[0.691,0.056], g[0.911,0.027]
1/1 [=====] - 0s 102ms/step
>3487, dr[0.631,0.442], df[0.591,0.063], g[0.971,0.056]
1/1 [=====] - 0s 108ms/step
>3488, dr[0.581,0.491], df[0.518,0.033], g[0.893,0.072]
1/1 [=====] - 0s 104ms/step
>3489, dr[0.562,0.762], df[0.671,0.030], g[1.031,0.021]
1/1 [=====] - 0s 97ms/step
>3490, dr[0.642,0.430], df[0.569,0.030], g[0.856,0.066]
1/1 [=====] - 0s 108ms/step
>3491, dr[0.645,0.619], df[0.766,0.045], g[0.871,0.074]
1/1 [=====] - 0s 102ms/step
>3492, dr[0.481,0.603], df[0.667,0.068], g[0.908,0.095]
1/1 [=====] - 0s 96ms/step
>3493, dr[0.606,0.721], df[0.601,0.040], g[0.998,0.043]
1/1 [=====] - 0s 111ms/step
>3494, dr[0.541,0.251], df[0.571,0.037], g[1.062,0.052]
1/1 [=====] - 0s 100ms/step
>3495, dr[0.672,0.868], df[0.778,0.072], g[1.035,0.092]
1/1 [=====] - 0s 107ms/step
>3496, dr[0.681,0.389], df[0.681,0.035], g[0.976,0.046]
1/1 [=====] - 0s 105ms/step
>3497, dr[0.645,0.376], df[0.669,0.042], g[0.969,0.030]
1/1 [=====] - 0s 95ms/step
>3498, dr[0.678,0.467], df[0.689,0.079], g[0.962,0.060]
1/1 [=====] - 0s 118ms/step
>3499, dr[0.654,0.397], df[0.579,0.046], g[0.938,0.050]
1/1 [=====] - 0s 99ms/step
>3500, dr[0.540,0.746], df[0.530,0.045], g[1.043,0.024]
1/1 [=====] - 0s 113ms/step
>3501, dr[0.530,0.513], df[0.630,0.045], g[0.945,0.026]
1/1 [=====] - 0s 110ms/step
>3502, dr[0.844,1.058], df[0.600,0.035], g[0.877,0.044]
1/1 [=====] - 0s 110ms/step
>3503, dr[0.505,0.590], df[0.635,0.041], g[0.894,0.108]
1/1 [=====] - 0s 97ms/step
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>3504, dr[0.600,0.458], df[0.687,0.032], g[0.969,0.022]
1/1 [=====] - 0s 100ms/step
>3505, dr[0.685,0.434], df[0.636,0.034], g[0.963,0.034]
1/1 [=====] - 0s 104ms/step
>3506, dr[0.571,0.382], df[0.593,0.028], g[0.922,0.050]
1/1 [=====] - 0s 106ms/step
>3507, dr[0.620,0.610], df[0.553,0.063], g[0.907,0.085]
1/1 [=====] - 0s 102ms/step
>3508, dr[0.471,0.473], df[0.750,0.050], g[1.030,0.102]
1/1 [=====] - 0s 95ms/step
>3509, dr[0.674,0.385], df[0.654,0.055], g[1.025,0.049]
1/1 [=====] - 0s 111ms/step
>3510, dr[0.549,0.415], df[0.573,0.063], g[1.027,0.076]
1/1 [=====] - 0s 104ms/step
>3511, dr[0.755,0.373], df[0.672,0.037], g[0.982,0.050]
1/1 [=====] - 0s 103ms/step
>3512, dr[0.602,0.699], df[0.735,0.050], g[1.076,0.036]
1/1 [=====] - 0s 109ms/step
>3513, dr[0.767,0.600], df[0.537,0.056], g[0.930,0.044]
1/1 [=====] - 0s 102ms/step
>3514, dr[0.726,0.307], df[0.579,0.064], g[0.977,0.054]
1/1 [=====] - 0s 105ms/step
>3515, dr[0.579,0.528], df[0.720,0.026], g[1.007,0.044]
1/1 [=====] - 0s 115ms/step
>3516, dr[0.654,0.689], df[0.683,0.054], g[0.980,0.031]
1/1 [=====] - 0s 94ms/step
>3517, dr[0.634,0.285], df[0.543,0.025], g[1.056,0.046]
1/1 [=====] - 0s 115ms/step
>3518, dr[0.613,0.698], df[0.685,0.028], g[0.928,0.034]
1/1 [=====] - 0s 125ms/step
>3519, dr[0.529,0.496], df[0.577,0.040], g[1.035,0.038]
1/1 [=====] - 0s 106ms/step
>3520, dr[0.591,0.266], df[0.760,0.034], g[0.928,0.032]
1/1 [=====] - 0s 103ms/step
>3521, dr[0.586,0.500], df[0.767,0.045], g[0.869,0.041]
1/1 [=====] - 0s 117ms/step
>3522, dr[0.686,0.721], df[0.728,0.029], g[0.905,0.032]
1/1 [=====] - 0s 98ms/step
>3523, dr[0.620,0.460], df[0.675,0.021], g[1.043,0.044]
1/1 [=====] - 0s 104ms/step
>3524, dr[0.683,0.745], df[0.587,0.024], g[0.899,0.036]
1/1 [=====] - 0s 96ms/step
>3525, dr[0.597,0.683], df[0.687,0.023], g[0.997,0.057]
1/1 [=====] - 0s 101ms/step
>3526, dr[0.749,0.442], df[0.721,0.028], g[1.051,0.034]
1/1 [=====] - 0s 113ms/step
>3527, dr[0.749,0.501], df[0.594,0.018], g[0.994,0.031]
1/1 [=====] - 0s 97ms/step
>3528, dr[0.682,0.458], df[0.530,0.083], g[0.962,0.024]
1/1 [=====] - 0s 98ms/step
>3529, dr[0.697,0.443], df[0.711,0.038], g[0.915,0.017]
1/1 [=====] - 0s 116ms/step
>3530, dr[0.648,0.804], df[0.742,0.011], g[0.844,0.035]
1/1 [=====] - 0s 108ms/step
>3531, dr[0.620,0.430], df[0.658,0.038], g[0.927,0.052]
1/1 [=====] - 0s 102ms/step
>3532, dr[0.531,0.234], df[0.668,0.037], g[0.925,0.015]
1/1 [=====] - 0s 108ms/step
>3533, dr[0.632,0.335], df[0.707,0.023], g[1.018,0.059]
1/1 [=====] - 0s 100ms/step
```

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>3534, dr[0.556,0.393], df[0.771,0.058], g[1.044,0.043]
1/1 [=====] - 0s 106ms/step
>3535, dr[0.566,0.203], df[0.494,0.025], g[1.050,0.108]
1/1 [=====] - 0s 112ms/step
>3536, dr[0.629,0.265], df[0.610,0.049], g[0.950,0.058]
1/1 [=====] - 0s 103ms/step
>3537, dr[0.765,0.541], df[0.653,0.025], g[1.014,0.036]
1/1 [=====] - 0s 118ms/step
>3538, dr[0.642,0.425], df[0.585,0.035], g[1.022,0.043]
1/1 [=====] - 0s 102ms/step
>3539, dr[0.685,0.716], df[0.619,0.021], g[1.033,0.040]
1/1 [=====] - 0s 115ms/step
>3540, dr[0.533,0.684], df[0.657,0.033], g[0.928,0.039]
1/1 [=====] - 0s 124ms/step
>3541, dr[0.576,0.310], df[0.676,0.039], g[1.116,0.052]
1/1 [=====] - 0s 111ms/step
>3542, dr[0.726,0.536], df[0.706,0.034], g[1.071,0.088]
1/1 [=====] - 0s 110ms/step
>3543, dr[0.686,0.553], df[0.619,0.050], g[0.983,0.048]
1/1 [=====] - 0s 126ms/step
>3544, dr[0.654,0.302], df[0.633,0.023], g[1.068,0.039]
1/1 [=====] - 0s 114ms/step
>3545, dr[0.660,0.432], df[0.601,0.023], g[1.019,0.050]
1/1 [=====] - 0s 128ms/step
>3546, dr[0.639,0.383], df[0.540,0.026], g[0.869,0.024]
1/1 [=====] - 0s 123ms/step
>3547, dr[0.616,0.449], df[0.664,0.031], g[0.939,0.032]
1/1 [=====] - 0s 123ms/step
>3548, dr[0.613,0.637], df[0.567,0.016], g[0.876,0.031]
1/1 [=====] - 0s 114ms/step
>3549, dr[0.543,0.658], df[0.606,0.013], g[0.854,0.058]
1/1 [=====] - 0s 108ms/step
>3550, dr[0.644,0.712], df[0.653,0.021], g[0.919,0.067]
1/1 [=====] - 0s 126ms/step
>3551, dr[0.677,0.609], df[0.603,0.042], g[0.856,0.032]
1/1 [=====] - 0s 107ms/step
>3552, dr[0.518,0.558], df[0.923,0.057], g[0.898,0.032]
1/1 [=====] - 0s 110ms/step
>3553, dr[0.437,0.530], df[0.744,0.071], g[1.057,0.023]
1/1 [=====] - 0s 128ms/step
>3554, dr[0.786,0.392], df[0.499,0.029], g[0.889,0.090]
1/1 [=====] - 0s 113ms/step
>3555, dr[0.787,0.490], df[0.656,0.034], g[0.798,0.039]
1/1 [=====] - 0s 124ms/step
>3556, dr[0.569,0.546], df[0.775,0.045], g[0.926,0.032]
1/1 [=====] - 0s 132ms/step
>3557, dr[0.611,0.528], df[0.649,0.031], g[1.007,0.027]
1/1 [=====] - 0s 126ms/step
>3558, dr[0.698,0.472], df[0.727,0.013], g[0.986,0.028]
1/1 [=====] - 0s 131ms/step
>3559, dr[0.605,0.435], df[0.773,0.029], g[0.866,0.036]
1/1 [=====] - 0s 129ms/step
>3560, dr[0.589,0.510], df[0.673,0.028], g[1.037,0.051]
1/1 [=====] - 0s 130ms/step
>3561, dr[0.732,0.445], df[0.604,0.024], g[0.880,0.026]
1/1 [=====] - 0s 127ms/step
>3562, dr[0.576,0.367], df[0.701,0.053], g[1.062,0.048]
1/1 [=====] - 0s 112ms/step
>3563, dr[0.643,0.517], df[0.753,0.018], g[0.776,0.035]
1/1 [=====] - 0s 114ms/step
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>3564, dr[0.616,0.433], df[0.697,0.039], g[0.852,0.028]
1/1 [=====] - 0s 122ms/step
>3565, dr[0.676,0.409], df[0.635,0.019], g[0.920,0.054]
1/1 [=====] - 0s 119ms/step
>3566, dr[0.666,0.464], df[0.681,0.039], g[0.910,0.045]
1/1 [=====] - 0s 137ms/step
>3567, dr[0.604,0.253], df[0.647,0.026], g[1.100,0.059]
1/1 [=====] - 0s 129ms/step
>3568, dr[0.543,0.358], df[0.670,0.070], g[0.953,0.085]
1/1 [=====] - 0s 130ms/step
>3569, dr[0.647,0.430], df[0.655,0.032], g[0.991,0.081]
1/1 [=====] - 0s 118ms/step
>3570, dr[0.685,0.557], df[0.490,0.027], g[0.950,0.067]
1/1 [=====] - 0s 117ms/step
>3571, dr[0.587,0.276], df[0.633,0.044], g[1.012,0.032]
1/1 [=====] - 0s 141ms/step
>3572, dr[0.692,0.448], df[0.671,0.018], g[0.952,0.099]
1/1 [=====] - 0s 134ms/step
>3573, dr[0.641,0.625], df[0.702,0.041], g[1.019,0.046]
1/1 [=====] - 0s 131ms/step
>3574, dr[0.634,0.429], df[0.635,0.081], g[0.941,0.041]
1/1 [=====] - 0s 127ms/step
>3575, dr[0.589,0.454], df[0.616,0.014], g[0.912,0.065]
1/1 [=====] - 0s 150ms/step
>3576, dr[0.656,0.535], df[0.653,0.053], g[0.891,0.050]
1/1 [=====] - 0s 127ms/step
>3577, dr[0.673,0.440], df[0.667,0.077], g[0.930,0.041]
1/1 [=====] - 0s 145ms/step
>3578, dr[0.718,1.064], df[0.835,0.161], g[0.954,0.062]
1/1 [=====] - 0s 120ms/step
>3579, dr[0.726,1.019], df[0.568,0.035], g[1.087,0.045]
1/1 [=====] - 0s 115ms/step
>3580, dr[0.678,0.655], df[0.667,0.055], g[0.943,0.035]
1/1 [=====] - 0s 116ms/step
>3581, dr[0.629,0.395], df[0.741,0.060], g[0.939,0.052]
1/1 [=====] - 0s 107ms/step
>3582, dr[0.720,0.381], df[0.655,0.020], g[0.916,0.036]
1/1 [=====] - 0s 116ms/step
>3583, dr[0.733,0.686], df[0.724,0.034], g[0.888,0.063]
1/1 [=====] - 0s 119ms/step
>3584, dr[0.591,0.616], df[0.708,0.046], g[0.946,0.044]
1/1 [=====] - 0s 122ms/step
>3585, dr[0.627,0.502], df[0.571,0.042], g[0.932,0.048]
1/1 [=====] - 0s 124ms/step
>3586, dr[0.674,0.487], df[0.693,0.072], g[0.962,0.032]
1/1 [=====] - 0s 108ms/step
>3587, dr[0.515,0.676], df[0.596,0.027], g[1.113,0.038]
1/1 [=====] - 0s 111ms/step
>3588, dr[0.661,0.262], df[0.609,0.040], g[1.040,0.025]
1/1 [=====] - 0s 134ms/step
>3589, dr[0.639,0.825], df[0.745,0.137], g[0.963,0.023]
1/1 [=====] - 0s 111ms/step
>3590, dr[0.792,0.587], df[0.563,0.023], g[0.970,0.029]
1/1 [=====] - 0s 107ms/step
>3591, dr[0.607,0.583], df[0.672,0.032], g[0.871,0.051]
1/1 [=====] - 0s 122ms/step
>3592, dr[0.561,0.542], df[0.642,0.030], g[0.831,0.033]
1/1 [=====] - 0s 101ms/step
>3593, dr[0.621,0.561], df[0.711,0.040], g[0.927,0.043]
1/1 [=====] - 0s 107ms/step
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>3594, dr[0.568,0.503], df[0.721,0.048], g[1.015,0.065]
1/1 [=====] - 0s 119ms/step
>3595, dr[0.522,0.286], df[0.612,0.024], g[0.988,0.024]
1/1 [=====] - 0s 101ms/step
>3596, dr[0.723,0.537], df[0.611,0.018], g[1.049,0.030]
1/1 [=====] - 0s 112ms/step
>3597, dr[0.636,0.416], df[0.697,0.018], g[0.968,0.031]
1/1 [=====] - 0s 111ms/step
>3598, dr[0.558,0.851], df[0.714,0.079], g[1.000,0.023]
1/1 [=====] - 0s 104ms/step
>3599, dr[0.710,0.392], df[0.618,0.027], g[0.954,0.046]
1/1 [=====] - 0s 101ms/step
>3600, dr[0.768,0.445], df[0.527,0.044], g[0.969,0.108]
1/1 [=====] - 0s 98ms/step
>3601, dr[0.640,0.212], df[0.775,0.025], g[0.848,0.020]
1/1 [=====] - 0s 100ms/step
>3602, dr[0.641,0.455], df[0.695,0.021], g[0.890,0.069]
1/1 [=====] - 0s 103ms/step
>3603, dr[0.508,0.302], df[0.655,0.027], g[0.922,0.089]
1/1 [=====] - 0s 98ms/step
>3604, dr[0.574,0.503], df[0.635,0.049], g[0.952,0.040]
1/1 [=====] - 0s 99ms/step
>3605, dr[0.777,0.403], df[0.531,0.045], g[0.946,0.041]
1/1 [=====] - 0s 117ms/step
>3606, dr[0.638,0.465], df[0.677,0.029], g[1.021,0.028]
1/1 [=====] - 0s 101ms/step
>3607, dr[0.666,0.487], df[0.676,0.071], g[1.043,0.068]
1/1 [=====] - 0s 96ms/step
>3608, dr[0.553,0.652], df[0.638,0.040], g[0.999,0.025]
1/1 [=====] - 0s 121ms/step
>3609, dr[0.589,0.342], df[0.621,0.042], g[0.993,0.029]
1/1 [=====] - 0s 99ms/step
>3610, dr[0.720,0.847], df[0.555,0.024], g[0.859,0.021]
1/1 [=====] - 0s 103ms/step
>3611, dr[0.697,0.471], df[0.716,0.027], g[0.865,0.026]
1/1 [=====] - 0s 105ms/step
>3612, dr[0.618,0.452], df[0.623,0.044], g[0.899,0.052]
1/1 [=====] - 0s 102ms/step
>3613, dr[0.741,0.657], df[0.706,0.021], g[0.921,0.040]
1/1 [=====] - 0s 118ms/step
>3614, dr[0.610,0.448], df[0.716,0.079], g[1.058,0.071]
1/1 [=====] - 0s 100ms/step
>3615, dr[0.578,0.519], df[0.638,0.024], g[1.022,0.040]
1/1 [=====] - 0s 97ms/step
>3616, dr[0.575,0.506], df[0.659,0.062], g[1.077,0.035]
1/1 [=====] - 0s 128ms/step
>3617, dr[0.768,0.756], df[0.611,0.030], g[0.981,0.044]
1/1 [=====] - 0s 117ms/step
>3618, dr[0.651,0.853], df[0.590,0.026], g[0.981,0.045]
1/1 [=====] - 0s 117ms/step
>3619, dr[0.625,0.394], df[0.630,0.081], g[0.929,0.040]
1/1 [=====] - 0s 113ms/step
>3620, dr[0.698,0.572], df[0.656,0.027], g[0.951,0.027]
1/1 [=====] - 0s 97ms/step
>3621, dr[0.549,0.494], df[0.544,0.017], g[0.989,0.059]
1/1 [=====] - 0s 104ms/step
>3622, dr[0.727,0.514], df[0.704,0.072], g[0.883,0.045]
1/1 [=====] - 0s 105ms/step
>3623, dr[0.589,0.406], df[0.570,0.028], g[0.839,0.039]
1/1 [=====] - 0s 98ms/step
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>3624, dr[0.648,0.373], df[0.708,0.050], g[0.973,0.045]
1/1 [=====] - 0s 107ms/step
>3625, dr[0.476,0.553], df[0.537,0.023], g[0.867,0.030]
1/1 [=====] - 0s 99ms/step
>3626, dr[0.511,0.178], df[0.685,0.043], g[1.058,0.045]
1/1 [=====] - 0s 105ms/step
>3627, dr[0.782,0.489], df[0.613,0.037], g[0.958,0.030]
1/1 [=====] - 0s 120ms/step
>3628, dr[0.633,0.535], df[0.662,0.038], g[1.011,0.027]
1/1 [=====] - 0s 98ms/step
>3629, dr[0.621,0.321], df[0.605,0.037], g[0.876,0.040]
1/1 [=====] - 0s 101ms/step
>3630, dr[0.624,0.372], df[0.606,0.027], g[1.023,0.048]
1/1 [=====] - 0s 99ms/step
>3631, dr[0.563,0.492], df[0.653,0.028], g[1.002,0.029]
1/1 [=====] - 0s 105ms/step
>3632, dr[0.501,0.176], df[0.623,0.018], g[0.981,0.031]
1/1 [=====] - 0s 106ms/step
>3633, dr[0.571,0.455], df[0.660,0.022], g[0.909,0.037]
1/1 [=====] - 0s 103ms/step
>3634, dr[0.747,0.262], df[0.612,0.083], g[1.045,0.021]
1/1 [=====] - 0s 96ms/step
>3635, dr[0.638,0.565], df[0.573,0.031], g[0.865,0.085]
1/1 [=====] - 0s 120ms/step
>3636, dr[0.620,0.381], df[0.604,0.016], g[0.952,0.024]
1/1 [=====] - 0s 105ms/step
>3637, dr[0.886,0.382], df[0.695,0.027], g[0.904,0.021]
1/1 [=====] - 0s 103ms/step
>3638, dr[0.558,0.462], df[0.751,0.047], g[1.096,0.026]
1/1 [=====] - 0s 99ms/step
>3639, dr[0.677,0.515], df[0.617,0.038], g[0.989,0.032]
1/1 [=====] - 0s 101ms/step
>3640, dr[0.682,0.670], df[0.542,0.014], g[0.910,0.029]
1/1 [=====] - 0s 115ms/step
>3641, dr[0.636,0.643], df[0.678,0.036], g[1.023,0.023]
1/1 [=====] - 0s 102ms/step
>3642, dr[0.593,0.295], df[0.757,0.035], g[0.858,0.024]
1/1 [=====] - 0s 98ms/step
>3643, dr[0.569,0.368], df[0.639,0.055], g[0.960,0.031]
1/1 [=====] - 0s 111ms/step
>3644, dr[0.584,0.492], df[0.630,0.037], g[0.947,0.066]
1/1 [=====] - 0s 100ms/step
>3645, dr[0.640,0.317], df[0.692,0.028], g[0.997,0.023]
1/1 [=====] - 0s 113ms/step
>3646, dr[0.548,0.969], df[0.671,0.043], g[1.037,0.028]
1/1 [=====] - 0s 111ms/step
>3647, dr[0.653,0.567], df[0.625,0.050], g[0.913,0.078]
1/1 [=====] - 0s 100ms/step
>3648, dr[0.729,1.036], df[0.615,0.067], g[0.873,0.052]
1/1 [=====] - 0s 110ms/step
>3649, dr[0.708,0.380], df[0.692,0.044], g[0.867,0.036]
1/1 [=====] - 0s 103ms/step
>3650, dr[0.629,0.515], df[0.757,0.048], g[0.903,0.040]
1/1 [=====] - 0s 102ms/step
>3651, dr[0.690,0.804], df[0.624,0.027], g[0.877,0.037]
1/1 [=====] - 0s 119ms/step
>3652, dr[0.552,0.663], df[0.665,0.062], g[0.897,0.091]
1/1 [=====] - 0s 98ms/step
>3653, dr[0.689,0.547], df[0.679,0.080], g[0.993,0.041]
1/1 [=====] - 0s 98ms/step
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>3654, dr[0.607,0.286], df[0.548,0.051], g[0.901,0.023]
1/1 [=====] - 0s 108ms/step
>3655, dr[0.644,0.730], df[0.652,0.053], g[0.991,0.034]
1/1 [=====] - 0s 103ms/step
>3656, dr[0.598,0.457], df[0.588,0.022], g[0.838,0.033]
1/1 [=====] - 0s 106ms/step
>3657, dr[0.609,0.151], df[0.804,0.030], g[0.856,0.034]
1/1 [=====] - 0s 100ms/step
>3658, dr[0.647,0.176], df[0.716,0.030], g[0.916,0.022]
1/1 [=====] - 0s 108ms/step
>3659, dr[0.612,0.476], df[0.616,0.038], g[0.979,0.041]
1/1 [=====] - 0s 114ms/step
>3660, dr[0.663,0.463], df[0.633,0.021], g[0.830,0.055]
1/1 [=====] - 0s 105ms/step
>3661, dr[0.724,0.481], df[0.573,0.057], g[1.078,0.035]
1/1 [=====] - 0s 98ms/step
>3662, dr[0.536,0.560], df[0.698,0.034], g[0.920,0.027]
1/1 [=====] - 0s 116ms/step
>3663, dr[0.699,0.541], df[0.637,0.028], g[0.918,0.037]
1/1 [=====] - 0s 109ms/step
>3664, dr[0.665,0.644], df[0.678,0.033], g[0.870,0.058]
1/1 [=====] - 0s 105ms/step
>3665, dr[0.556,0.345], df[0.702,0.029], g[0.911,0.030]
1/1 [=====] - 0s 100ms/step
>3666, dr[0.756,0.510], df[0.751,0.053], g[1.064,0.041]
1/1 [=====] - 0s 100ms/step
>3667, dr[0.694,0.331], df[0.705,0.020], g[0.997,0.052]
1/1 [=====] - 0s 112ms/step
>3668, dr[0.579,0.698], df[0.613,0.041], g[0.966,0.032]
1/1 [=====] - 0s 104ms/step
>3669, dr[0.707,0.576], df[0.853,0.029], g[0.957,0.041]
1/1 [=====] - 0s 101ms/step
>3670, dr[0.551,0.818], df[0.602,0.029], g[0.915,0.051]
1/1 [=====] - 0s 114ms/step
>3671, dr[0.562,0.392], df[0.632,0.055], g[0.905,0.079]
1/1 [=====] - 0s 99ms/step
>3672, dr[0.695,0.587], df[0.876,0.033], g[1.002,0.060]
1/1 [=====] - 0s 102ms/step
>3673, dr[0.659,0.678], df[0.575,0.051], g[0.981,0.035]
1/1 [=====] - 0s 114ms/step
>3674, dr[0.636,0.546], df[0.568,0.039], g[0.927,0.040]
1/1 [=====] - 0s 122ms/step
>3675, dr[0.600,0.739], df[0.562,0.046], g[1.008,0.043]
1/1 [=====] - 0s 105ms/step
>3676, dr[0.593,0.264], df[0.611,0.037], g[0.978,0.042]
1/1 [=====] - 0s 101ms/step
>3677, dr[0.563,0.499], df[0.594,0.060], g[0.930,0.027]
1/1 [=====] - 0s 113ms/step
>3678, dr[0.648,0.789], df[0.639,0.020], g[0.996,0.052]
1/1 [=====] - 0s 141ms/step
>3679, dr[0.652,0.340], df[0.711,0.058], g[0.989,0.038]
1/1 [=====] - 0s 105ms/step
>3680, dr[0.612,0.481], df[0.679,0.018], g[0.927,0.079]
1/1 [=====] - 0s 104ms/step
>3681, dr[0.709,0.531], df[0.571,0.032], g[0.945,0.030]
1/1 [=====] - 0s 113ms/step
>3682, dr[0.665,0.361], df[0.625,0.080], g[0.843,0.054]
1/1 [=====] - 0s 97ms/step
>3683, dr[0.646,0.607], df[0.608,0.027], g[0.807,0.055]
1/1 [=====] - 0s 109ms/step
```

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>3684, dr[0.568,0.426], df[0.744,0.041], g[0.863,0.044]
1/1 [=====] - 0s 113ms/step
>3685, dr[0.630,0.366], df[0.662,0.032], g[1.005,0.020]
1/1 [=====] - 0s 109ms/step
>3686, dr[0.568,0.432], df[0.756,0.034], g[0.974,0.038]
1/1 [=====] - 0s 107ms/step
>3687, dr[0.684,0.600], df[0.620,0.033], g[1.165,0.021]
1/1 [=====] - 0s 114ms/step
>3688, dr[0.790,0.913], df[0.631,0.027], g[1.062,0.036]
1/1 [=====] - 0s 100ms/step
>3689, dr[0.736,0.299], df[0.682,0.049], g[0.959,0.027]
1/1 [=====] - 0s 116ms/step
>3690, dr[0.707,0.472], df[0.670,0.058], g[0.868,0.036]
1/1 [=====] - 0s 113ms/step
>3691, dr[0.563,0.342], df[0.671,0.036], g[0.909,0.033]
1/1 [=====] - 0s 116ms/step
>3692, dr[0.668,0.614], df[0.524,0.027], g[0.942,0.049]
1/1 [=====] - 0s 106ms/step
>3693, dr[0.595,0.389], df[0.604,0.018], g[0.926,0.065]
1/1 [=====] - 0s 107ms/step
>3694, dr[0.524,0.359], df[0.617,0.056], g[0.968,0.041]
1/1 [=====] - 0s 100ms/step
>3695, dr[0.499,0.346], df[0.608,0.076], g[0.885,0.036]
1/1 [=====] - 0s 108ms/step
>3696, dr[0.630,0.438], df[0.679,0.040], g[0.973,0.025]
1/1 [=====] - 0s 107ms/step
>3697, dr[0.631,0.628], df[0.668,0.084], g[0.946,0.041]
1/1 [=====] - 0s 106ms/step
>3698, dr[0.661,0.315], df[0.620,0.036], g[1.050,0.091]
1/1 [=====] - 0s 124ms/step
>3699, dr[0.637,0.454], df[0.587,0.038], g[0.902,0.062]
1/1 [=====] - 0s 103ms/step
>3700, dr[0.619,0.570], df[0.758,0.023], g[0.983,0.046]
1/1 [=====] - 0s 111ms/step
>3701, dr[0.648,0.575], df[0.673,0.039], g[0.830,0.058]
1/1 [=====] - 0s 121ms/step
>3702, dr[0.741,0.692], df[0.614,0.020], g[0.917,0.052]
1/1 [=====] - 0s 119ms/step
>3703, dr[0.741,0.351], df[0.658,0.022], g[0.958,0.041]
1/1 [=====] - 0s 101ms/step
>3704, dr[0.593,0.388], df[0.628,0.044], g[0.914,0.036]
1/1 [=====] - 0s 99ms/step
>3705, dr[0.542,0.514], df[0.695,0.064], g[1.027,0.047]
1/1 [=====] - 0s 98ms/step
>3706, dr[0.654,0.628], df[0.816,0.055], g[1.120,0.060]
1/1 [=====] - 0s 131ms/step
>3707, dr[0.598,0.802], df[0.615,0.032], g[0.911,0.036]
1/1 [=====] - 0s 103ms/step
>3708, dr[0.657,0.543], df[0.570,0.020], g[1.001,0.033]
1/1 [=====] - 0s 102ms/step
>3709, dr[0.807,0.603], df[0.603,0.017], g[0.972,0.054]
1/1 [=====] - 0s 115ms/step
>3710, dr[0.565,0.304], df[0.826,0.024], g[0.868,0.043]
1/1 [=====] - 0s 111ms/step
>3711, dr[0.664,0.470], df[0.655,0.026], g[0.977,0.034]
1/1 [=====] - 0s 101ms/step
>3712, dr[0.603,0.743], df[0.594,0.057], g[0.936,0.037]
1/1 [=====] - 0s 117ms/step
>3713, dr[0.665,0.366], df[0.688,0.082], g[0.925,0.035]
1/1 [=====] - 0s 98ms/step
```

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>3714, dr[0.719,0.530], df[0.598,0.043], g[0.879,0.040]
1/1 [=====] - 0s 140ms/step
>3715, dr[0.646,0.634], df[0.650,0.032], g[1.048,0.027]
1/1 [=====] - 0s 128ms/step
>3716, dr[0.694,0.565], df[0.674,0.034], g[0.985,0.054]
1/1 [=====] - 0s 115ms/step
>3717, dr[0.630,0.898], df[0.705,0.050], g[0.975,0.037]
1/1 [=====] - 0s 119ms/step
>3718, dr[0.596,0.408], df[0.646,0.063], g[0.869,0.027]
1/1 [=====] - 0s 106ms/step
>3719, dr[0.697,0.644], df[0.682,0.040], g[0.878,0.049]
1/1 [=====] - 0s 117ms/step
>3720, dr[0.657,0.307], df[0.615,0.061], g[0.909,0.030]
1/1 [=====] - 0s 109ms/step
>3721, dr[0.521,0.395], df[0.632,0.063], g[0.933,0.045]
1/1 [=====] - 0s 110ms/step
>3722, dr[0.712,0.286], df[0.553,0.011], g[0.914,0.058]
1/1 [=====] - 0s 125ms/step
>3723, dr[0.681,0.746], df[0.698,0.041], g[0.892,0.037]
1/1 [=====] - 0s 104ms/step
>3724, dr[0.553,0.359], df[0.797,0.042], g[0.968,0.035]
1/1 [=====] - 0s 127ms/step
>3725, dr[0.571,0.382], df[0.627,0.083], g[0.969,0.040]
1/1 [=====] - 0s 123ms/step
>3726, dr[0.605,1.022], df[0.604,0.029], g[1.037,0.030]
1/1 [=====] - 0s 221ms/step
>3727, dr[0.627,0.735], df[0.603,0.021], g[0.981,0.031]
1/1 [=====] - 0s 132ms/step
>3728, dr[0.754,0.863], df[0.573,0.018], g[0.987,0.072]
1/1 [=====] - 0s 157ms/step
>3729, dr[0.721,0.379], df[0.599,0.037], g[0.846,0.046]
1/1 [=====] - 0s 166ms/step
>3730, dr[0.531,0.298], df[0.781,0.025], g[0.935,0.032]
1/1 [=====] - 0s 208ms/step
>3731, dr[0.652,0.527], df[0.548,0.030], g[0.868,0.030]
1/1 [=====] - 0s 165ms/step
>3732, dr[0.624,0.995], df[0.592,0.059], g[0.886,0.076]
1/1 [=====] - 0s 122ms/step
>3733, dr[0.783,0.860], df[0.736,0.041], g[0.909,0.037]
1/1 [=====] - 0s 183ms/step
>3734, dr[0.580,0.760], df[0.552,0.046], g[0.796,0.036]
1/1 [=====] - 0s 170ms/step
>3735, dr[0.614,0.547], df[0.620,0.050], g[0.924,0.043]
1/1 [=====] - 0s 225ms/step
>3736, dr[0.647,0.665], df[0.677,0.026], g[0.870,0.027]
1/1 [=====] - 0s 274ms/step
>3737, dr[0.561,0.641], df[0.709,0.069], g[0.835,0.067]
1/1 [=====] - 0s 175ms/step
>3738, dr[0.620,0.266], df[0.556,0.021], g[0.951,0.055]
1/1 [=====] - 0s 130ms/step
>3739, dr[0.584,0.331], df[0.571,0.033], g[0.930,0.040]
1/1 [=====] - 0s 147ms/step
>3740, dr[0.692,0.346], df[0.618,0.021], g[0.950,0.056]
1/1 [=====] - 0s 174ms/step
>3741, dr[0.737,0.597], df[0.707,0.053], g[0.851,0.047]
1/1 [=====] - 0s 122ms/step
>3742, dr[0.614,0.602], df[0.779,0.070], g[0.940,0.057]
1/1 [=====] - 0s 119ms/step
>3743, dr[0.578,0.235], df[0.691,0.023], g[0.927,0.028]
1/1 [=====] - 0s 132ms/step
```

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>3744, dr[0.537,0.560], df[0.574,0.029], g[1.018,0.056]
1/1 [=====] - 0s 135ms/step
>3745, dr[0.657,0.492], df[0.643,0.048], g[1.003,0.029]
1/1 [=====] - 0s 130ms/step
>3746, dr[0.677,0.972], df[0.582,0.036], g[0.888,0.021]
1/1 [=====] - 0s 110ms/step
>3747, dr[0.567,0.395], df[0.697,0.061], g[0.891,0.078]
1/1 [=====] - 0s 115ms/step
>3748, dr[0.675,0.407], df[0.624,0.140], g[0.953,0.021]
1/1 [=====] - 0s 73ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 111ms/step
>3749, dr[0.629,0.391], df[0.575,0.037], g[0.969,0.025]
1/1 [=====] - 0s 119ms/step
>3750, dr[0.624,0.594], df[0.641,0.018], g[0.975,0.038]
1/1 [=====] - 0s 118ms/step
>3751, dr[0.646,0.503], df[0.771,0.065], g[1.014,0.038]
1/1 [=====] - 0s 117ms/step
>3752, dr[0.621,0.486], df[0.748,0.037], g[1.151,0.056]
1/1 [=====] - 0s 121ms/step
>3753, dr[0.695,0.915], df[0.626,0.034], g[1.085,0.028]
1/1 [=====] - 0s 123ms/step
>3754, dr[0.766,0.343], df[0.632,0.053], g[0.997,0.026]
1/1 [=====] - 0s 133ms/step
>3755, dr[0.706,0.419], df[0.602,0.054], g[0.987,0.038]
1/1 [=====] - 0s 104ms/step
>3756, dr[0.650,0.246], df[0.675,0.094], g[1.040,0.037]
1/1 [=====] - 0s 110ms/step
>3757, dr[0.780,0.412], df[0.550,0.035], g[0.925,0.057]
1/1 [=====] - 0s 123ms/step
>3758, dr[0.578,0.397], df[0.707,0.034], g[0.986,0.089]
1/1 [=====] - 0s 114ms/step
>3759, dr[0.693,0.572], df[0.705,0.017], g[1.034,0.039]
1/1 [=====] - 0s 137ms/step
>3760, dr[0.563,0.267], df[0.694,0.098], g[0.939,0.029]
1/1 [=====] - 0s 125ms/step
>3761, dr[0.593,0.507], df[0.656,0.045], g[0.914,0.032]
1/1 [=====] - 0s 135ms/step
>3762, dr[0.775,0.514], df[0.622,0.063], g[0.870,0.040]
1/1 [=====] - 0s 131ms/step
>3763, dr[0.669,0.580], df[0.624,0.050], g[0.882,0.032]
1/1 [=====] - 0s 124ms/step
>3764, dr[0.693,0.425], df[0.749,0.040], g[0.888,0.054]
1/1 [=====] - 0s 132ms/step
>3765, dr[0.642,0.718], df[0.631,0.042], g[0.847,0.040]
1/1 [=====] - 0s 141ms/step
>3766, dr[0.709,0.385], df[0.667,0.046], g[0.879,0.032]
1/1 [=====] - 0s 137ms/step
>3767, dr[0.598,0.466], df[0.637,0.048], g[0.944,0.037]
1/1 [=====] - 0s 114ms/step
>3768, dr[0.632,0.422], df[0.810,0.025], g[0.947,0.050]
1/1 [=====] - 0s 140ms/step
>3769, dr[0.702,0.284], df[0.662,0.050], g[0.856,0.052]
1/1 [=====] - 0s 126ms/step
>3770, dr[0.591,0.353], df[0.651,0.038], g[0.997,0.030]
1/1 [=====] - 0s 119ms/step
>3771, dr[0.757,0.692], df[0.616,0.018], g[0.958,0.026]
1/1 [=====] - 0s 116ms/step
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>3772, dr[0.607,0.448], df[0.736,0.048], g[0.891,0.026]
1/1 [=====] - 0s 134ms/step
>3773, dr[0.696,0.502], df[0.682,0.030], g[0.957,0.023]
1/1 [=====] - 0s 147ms/step
>3774, dr[0.620,0.589], df[0.634,0.070], g[0.907,0.047]
1/1 [=====] - 0s 243ms/step
>3775, dr[0.586,0.646], df[0.705,0.032], g[0.880,0.049]
1/1 [=====] - 0s 131ms/step
>3776, dr[0.697,0.777], df[0.666,0.033], g[0.846,0.043]
1/1 [=====] - 0s 114ms/step
>3777, dr[0.624,0.665], df[0.642,0.022], g[1.004,0.054]
1/1 [=====] - 0s 116ms/step
>3778, dr[0.658,0.814], df[0.652,0.029], g[0.864,0.046]
1/1 [=====] - 0s 106ms/step
>3779, dr[0.625,0.723], df[0.666,0.087], g[0.890,0.037]
1/1 [=====] - 0s 115ms/step
>3780, dr[0.642,0.618], df[0.633,0.032], g[1.002,0.043]
1/1 [=====] - 0s 119ms/step
>3781, dr[0.665,0.347], df[0.717,0.041], g[1.011,0.026]
1/1 [=====] - 0s 115ms/step
>3782, dr[0.588,0.515], df[0.602,0.051], g[0.916,0.034]
1/1 [=====] - 0s 120ms/step
>3783, dr[0.561,0.531], df[0.639,0.047], g[0.971,0.074]
1/1 [=====] - 0s 125ms/step
>3784, dr[0.684,0.575], df[0.696,0.020], g[0.832,0.070]
1/1 [=====] - 0s 123ms/step
>3785, dr[0.640,0.582], df[0.769,0.037], g[1.034,0.044]
1/1 [=====] - 0s 111ms/step
>3786, dr[0.594,0.222], df[0.576,0.032], g[0.948,0.060]
1/1 [=====] - 0s 107ms/step
>3787, dr[0.593,0.803], df[0.640,0.065], g[0.991,0.024]
1/1 [=====] - 0s 112ms/step
>3788, dr[0.798,0.237], df[0.579,0.033], g[0.985,0.049]
1/1 [=====] - 0s 104ms/step
>3789, dr[0.770,0.622], df[0.554,0.018], g[0.959,0.037]
1/1 [=====] - 0s 115ms/step
>3790, dr[0.616,0.358], df[0.512,0.033], g[0.891,0.036]
1/1 [=====] - 0s 127ms/step
>3791, dr[0.630,0.405], df[0.552,0.055], g[0.884,0.035]
1/1 [=====] - 0s 108ms/step
>3792, dr[0.597,0.262], df[0.638,0.037], g[0.809,0.053]
1/1 [=====] - 0s 125ms/step
>3793, dr[0.527,0.534], df[0.702,0.043], g[0.817,0.057]
1/1 [=====] - 0s 130ms/step
>3794, dr[0.498,0.498], df[0.578,0.034], g[0.892,0.027]
1/1 [=====] - 0s 101ms/step
>3795, dr[0.569,0.687], df[0.760,0.039], g[0.978,0.035]
1/1 [=====] - 0s 138ms/step
>3796, dr[0.810,0.852], df[0.682,0.086], g[0.915,0.036]
1/1 [=====] - 0s 122ms/step
>3797, dr[0.619,0.416], df[0.557,0.027], g[0.916,0.052]
1/1 [=====] - 0s 103ms/step
>3798, dr[0.538,0.713], df[0.505,0.035], g[0.986,0.052]
1/1 [=====] - 0s 118ms/step
>3799, dr[0.553,0.355], df[0.640,0.039], g[0.963,0.030]
1/1 [=====] - 0s 108ms/step
>3800, dr[0.556,0.526], df[0.760,0.045], g[0.955,0.028]
1/1 [=====] - 0s 105ms/step
>3801, dr[0.800,0.347], df[0.647,0.022], g[1.018,0.027]
1/1 [=====] - 0s 102ms/step
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>3802, dr[0.663,0.637], df[0.598,0.051], g[0.874,0.060]
1/1 [=====] - 0s 107ms/step
>3803, dr[0.529,0.440], df[0.601,0.035], g[1.105,0.060]
1/1 [=====] - 0s 114ms/step
>3804, dr[0.695,0.515], df[0.680,0.067], g[0.844,0.040]
1/1 [=====] - 0s 112ms/step
>3805, dr[0.565,0.364], df[0.754,0.039], g[0.976,0.024]
1/1 [=====] - 0s 132ms/step
>3806, dr[0.746,0.644], df[0.624,0.039], g[0.892,0.037]
1/1 [=====] - 0s 120ms/step
>3807, dr[0.722,0.705], df[0.751,0.052], g[0.847,0.060]
1/1 [=====] - 0s 98ms/step
>3808, dr[0.543,0.441], df[0.758,0.018], g[0.968,0.022]
1/1 [=====] - 0s 99ms/step
>3809, dr[0.678,0.312], df[0.627,0.032], g[1.006,0.047]
1/1 [=====] - 0s 118ms/step
>3810, dr[0.705,0.514], df[0.665,0.049], g[0.970,0.049]
1/1 [=====] - 0s 113ms/step
>3811, dr[0.652,0.734], df[0.575,0.054], g[0.910,0.043]
1/1 [=====] - 0s 115ms/step
>3812, dr[0.531,0.763], df[0.677,0.042], g[0.950,0.063]
1/1 [=====] - 0s 104ms/step
>3813, dr[0.556,0.429], df[0.589,0.031], g[1.079,0.039]
1/1 [=====] - 0s 125ms/step
>3814, dr[0.752,0.521], df[0.582,0.018], g[0.906,0.018]
1/1 [=====] - 0s 102ms/step
>3815, dr[0.660,0.392], df[0.693,0.032], g[0.952,0.072]
1/1 [=====] - 0s 99ms/step
>3816, dr[0.587,0.314], df[0.688,0.025], g[1.046,0.030]
1/1 [=====] - 0s 99ms/step
>3817, dr[0.701,0.441], df[0.555,0.019], g[0.927,0.020]
1/1 [=====] - 0s 111ms/step
>3818, dr[0.601,0.671], df[0.711,0.022], g[0.900,0.048]
1/1 [=====] - 0s 98ms/step
>3819, dr[0.681,0.219], df[0.716,0.092], g[1.031,0.017]
1/1 [=====] - 0s 104ms/step
>3820, dr[0.620,0.543], df[0.748,0.021], g[0.942,0.039]
1/1 [=====] - 0s 104ms/step
>3821, dr[0.592,0.456], df[0.577,0.028], g[0.997,0.051]
1/1 [=====] - 0s 98ms/step
>3822, dr[0.771,0.363], df[0.688,0.044], g[0.952,0.026]
1/1 [=====] - 0s 121ms/step
>3823, dr[0.607,0.525], df[0.627,0.042], g[0.952,0.043]
1/1 [=====] - 0s 100ms/step
>3824, dr[0.730,0.684], df[0.666,0.037], g[1.024,0.026]
1/1 [=====] - 0s 99ms/step
>3825, dr[0.612,0.454], df[0.626,0.029], g[0.959,0.022]
1/1 [=====] - 0s 131ms/step
>3826, dr[0.674,0.424], df[0.644,0.067], g[0.942,0.028]
1/1 [=====] - 0s 125ms/step
>3827, dr[0.689,0.394], df[0.632,0.031], g[0.892,0.069]
1/1 [=====] - 0s 114ms/step
>3828, dr[0.561,0.599], df[0.686,0.028], g[0.965,0.022]
1/1 [=====] - 0s 110ms/step
>3829, dr[0.617,0.487], df[0.625,0.059], g[0.848,0.035]
1/1 [=====] - 0s 103ms/step
>3830, dr[0.745,0.365], df[0.506,0.017], g[0.958,0.027]
1/1 [=====] - 0s 99ms/step
>3831, dr[0.520,0.374], df[0.587,0.016], g[0.885,0.031]
1/1 [=====] - 0s 116ms/step
```

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>3832, dr[0.656,0.676], df[0.659,0.028], g[0.912,0.037]
1/1 [=====] - 0s 100ms/step
>3833, dr[0.601,0.715], df[0.655,0.096], g[0.934,0.033]
1/1 [=====] - 0s 109ms/step
>3834, dr[0.574,0.317], df[0.584,0.058], g[0.970,0.037]
1/1 [=====] - 0s 118ms/step
>3835, dr[0.617,0.254], df[0.729,0.045], g[0.926,0.030]
1/1 [=====] - 0s 112ms/step
>3836, dr[0.663,0.788], df[0.714,0.035], g[0.939,0.033]
1/1 [=====] - 0s 113ms/step
>3837, dr[0.660,0.453], df[0.613,0.026], g[0.852,0.038]
1/1 [=====] - 0s 98ms/step
>3838, dr[0.719,0.518], df[0.607,0.108], g[0.955,0.021]
1/1 [=====] - 0s 102ms/step
>3839, dr[0.709,0.182], df[0.631,0.017], g[0.983,0.047]
1/1 [=====] - 0s 121ms/step
>3840, dr[0.671,0.570], df[0.765,0.020], g[0.969,0.031]
1/1 [=====] - 0s 107ms/step
>3841, dr[0.680,0.706], df[0.737,0.039], g[1.007,0.028]
1/1 [=====] - 0s 100ms/step
>3842, dr[0.813,0.637], df[0.601,0.027], g[0.936,0.029]
1/1 [=====] - 0s 100ms/step
>3843, dr[0.624,0.505], df[0.689,0.108], g[0.908,0.073]
1/1 [=====] - 0s 97ms/step
>3844, dr[0.570,0.373], df[0.716,0.035], g[0.891,0.029]
1/1 [=====] - 0s 109ms/step
>3845, dr[0.663,0.237], df[0.591,0.039], g[0.885,0.029]
1/1 [=====] - 0s 104ms/step
>3846, dr[0.592,0.249], df[0.550,0.019], g[0.850,0.024]
1/1 [=====] - 0s 98ms/step
>3847, dr[0.630,0.407], df[0.695,0.023], g[0.867,0.033]
1/1 [=====] - 0s 105ms/step
>3848, dr[0.479,0.329], df[0.691,0.038], g[0.935,0.023]
1/1 [=====] - 0s 100ms/step
>3849, dr[0.616,0.423], df[0.637,0.028], g[1.011,0.061]
1/1 [=====] - 0s 103ms/step
>3850, dr[0.683,0.569], df[0.643,0.022], g[0.924,0.036]
1/1 [=====] - 0s 105ms/step
>3851, dr[0.632,0.807], df[0.641,0.014], g[0.920,0.035]
1/1 [=====] - 0s 106ms/step
>3852, dr[0.537,0.491], df[0.699,0.056], g[0.973,0.019]
1/1 [=====] - 0s 117ms/step
>3853, dr[0.724,0.274], df[0.601,0.027], g[0.923,0.035]
1/1 [=====] - 0s 103ms/step
>3854, dr[0.657,1.252], df[0.580,0.018], g[0.896,0.029]
1/1 [=====] - 0s 106ms/step
>3855, dr[0.597,0.359], df[0.567,0.081], g[0.886,0.033]
1/1 [=====] - 0s 118ms/step
>3856, dr[0.666,0.434], df[0.663,0.043], g[0.873,0.032]
1/1 [=====] - 0s 114ms/step
>3857, dr[0.536,0.150], df[0.703,0.054], g[0.933,0.031]
1/1 [=====] - 0s 105ms/step
>3858, dr[0.579,1.034], df[0.741,0.046], g[1.002,0.022]
1/1 [=====] - 0s 127ms/step
>3859, dr[0.641,0.699], df[0.696,0.166], g[1.086,0.036]
1/1 [=====] - 0s 102ms/step
>3860, dr[0.742,0.499], df[0.543,0.025], g[1.033,0.029]
1/1 [=====] - 0s 105ms/step
>3861, dr[0.741,0.740], df[0.635,0.043], g[0.880,0.039]
1/1 [=====] - 0s 99ms/step
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>3862, dr[0.640,0.338], df[0.644,0.020], g[0.912,0.026]
1/1 [=====] - 0s 100ms/step
>3863, dr[0.688,0.867], df[0.705,0.046], g[0.878,0.034]
1/1 [=====] - 0s 106ms/step
>3864, dr[0.741,0.629], df[0.823,0.023], g[0.882,0.073]
1/1 [=====] - 0s 107ms/step
>3865, dr[0.580,0.344], df[0.552,0.033], g[0.844,0.065]
1/1 [=====] - 0s 99ms/step
>3866, dr[0.661,0.773], df[0.643,0.049], g[0.884,0.060]
1/1 [=====] - 0s 119ms/step
>3867, dr[0.750,0.387], df[0.689,0.043], g[0.916,0.026]
1/1 [=====] - 0s 107ms/step
>3868, dr[0.552,0.402], df[0.674,0.043], g[1.000,0.034]
1/1 [=====] - 0s 108ms/step
>3869, dr[0.659,0.839], df[0.604,0.057], g[0.995,0.026]
1/1 [=====] - 0s 106ms/step
>3870, dr[0.619,0.320], df[0.531,0.054], g[0.881,0.030]
1/1 [=====] - 0s 102ms/step
>3871, dr[0.657,0.762], df[0.638,0.025], g[0.948,0.105]
1/1 [=====] - 0s 114ms/step
>3872, dr[0.689,0.476], df[0.690,0.030], g[0.957,0.033]
1/1 [=====] - 0s 115ms/step
>3873, dr[0.580,0.674], df[0.598,0.043], g[0.914,0.030]
1/1 [=====] - 0s 101ms/step
>3874, dr[0.647,0.745], df[0.718,0.043], g[0.911,0.024]
1/1 [=====] - 0s 104ms/step
>3875, dr[0.555,0.559], df[0.683,0.023], g[0.869,0.067]
1/1 [=====] - 0s 101ms/step
>3876, dr[0.686,0.324], df[0.594,0.042], g[0.864,0.031]
1/1 [=====] - 0s 102ms/step
>3877, dr[0.595,0.620], df[0.713,0.024], g[0.798,0.043]
1/1 [=====] - 0s 105ms/step
>3878, dr[0.607,0.467], df[0.676,0.036], g[0.931,0.068]
1/1 [=====] - 0s 97ms/step
>3879, dr[0.643,0.496], df[0.651,0.018], g[0.950,0.054]
1/1 [=====] - 0s 99ms/step
>3880, dr[0.648,0.475], df[0.628,0.060], g[1.000,0.037]
1/1 [=====] - 0s 116ms/step
>3881, dr[0.637,0.794], df[0.720,0.032], g[0.979,0.027]
1/1 [=====] - 0s 102ms/step
>3882, dr[0.697,0.467], df[0.614,0.015], g[0.909,0.030]
1/1 [=====] - 0s 110ms/step
>3883, dr[0.604,0.367], df[0.680,0.034], g[0.946,0.033]
1/1 [=====] - 0s 102ms/step
>3884, dr[0.579,0.677], df[0.726,0.052], g[1.013,0.018]
1/1 [=====] - 0s 97ms/step
>3885, dr[0.720,0.346], df[0.648,0.019], g[0.846,0.023]
1/1 [=====] - 0s 112ms/step
>3886, dr[0.704,0.518], df[0.600,0.038], g[0.892,0.043]
1/1 [=====] - 0s 102ms/step
>3887, dr[0.656,0.392], df[0.691,0.028], g[0.988,0.032]
1/1 [=====] - 0s 98ms/step
>3888, dr[0.610,0.403], df[0.693,0.061], g[1.024,0.042]
1/1 [=====] - 0s 106ms/step
>3889, dr[0.721,0.390], df[0.668,0.170], g[0.902,0.051]
1/1 [=====] - 0s 103ms/step
>3890, dr[0.624,0.343], df[0.595,0.037], g[0.984,0.079]
1/1 [=====] - 0s 104ms/step
>3891, dr[0.678,0.162], df[0.617,0.031], g[0.949,0.026]
1/1 [=====] - 0s 201ms/step
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>3892, dr[0.597,0.369], df[0.583,0.021], g[0.853,0.054]
1/1 [=====] - 0s 141ms/step
>3893, dr[0.519,0.372], df[0.679,0.029], g[0.936,0.045]
1/1 [=====] - 0s 120ms/step
>3894, dr[0.522,0.352], df[0.615,0.049], g[0.869,0.057]
1/1 [=====] - 0s 127ms/step
>3895, dr[0.567,0.465], df[0.619,0.048], g[0.895,0.041]
1/1 [=====] - 0s 133ms/step
>3896, dr[0.565,0.508], df[0.613,0.036], g[1.027,0.034]
1/1 [=====] - 0s 115ms/step
>3897, dr[0.761,0.636], df[0.646,0.016], g[1.007,0.032]
1/1 [=====] - 0s 143ms/step
>3898, dr[0.641,0.591], df[0.564,0.035], g[0.867,0.019]
1/1 [=====] - 0s 173ms/step
>3899, dr[0.716,0.527], df[0.616,0.029], g[1.085,0.067]
1/1 [=====] - 0s 162ms/step
>3900, dr[0.641,0.721], df[0.635,0.026], g[0.905,0.071]
1/1 [=====] - 0s 227ms/step
>3901, dr[0.689,0.625], df[0.856,0.053], g[0.878,0.053]
1/1 [=====] - 0s 190ms/step
>3902, dr[0.642,0.357], df[0.772,0.025], g[0.902,0.042]
1/1 [=====] - 0s 210ms/step
>3903, dr[0.584,0.349], df[0.656,0.045], g[1.001,0.028]
1/1 [=====] - 0s 142ms/step
>3904, dr[0.629,0.351], df[0.635,0.036], g[0.941,0.022]
1/1 [=====] - 0s 167ms/step
>3905, dr[0.675,0.378], df[0.670,0.052], g[1.018,0.043]
1/1 [=====] - 0s 162ms/step
>3906, dr[0.570,0.219], df[0.578,0.029], g[0.961,0.038]
1/1 [=====] - 0s 145ms/step
>3907, dr[0.697,0.705], df[0.582,0.026], g[0.930,0.033]
1/1 [=====] - 0s 216ms/step
>3908, dr[0.669,0.492], df[0.646,0.037], g[0.990,0.031]
1/1 [=====] - 0s 288ms/step
>3909, dr[0.704,0.699], df[0.729,0.019], g[0.928,0.042]
1/1 [=====] - 0s 148ms/step
>3910, dr[0.603,0.352], df[0.532,0.029], g[0.967,0.035]
1/1 [=====] - 0s 290ms/step
>3911, dr[0.529,0.410], df[0.680,0.039], g[0.999,0.057]
1/1 [=====] - 0s 340ms/step
>3912, dr[0.764,0.489], df[0.626,0.037], g[1.011,0.023]
1/1 [=====] - 0s 397ms/step
>3913, dr[0.611,0.502], df[0.650,0.016], g[0.854,0.032]
1/1 [=====] - 0s 175ms/step
>3914, dr[0.590,0.258], df[0.775,0.031], g[0.938,0.076]
1/1 [=====] - 0s 314ms/step
>3915, dr[0.626,0.600], df[0.799,0.053], g[0.971,0.055]
1/1 [=====] - 0s 355ms/step
>3916, dr[0.675,0.578], df[0.575,0.027], g[1.063,0.049]
1/1 [=====] - 0s 191ms/step
>3917, dr[0.597,0.476], df[0.645,0.030], g[1.019,0.031]
1/1 [=====] - 0s 201ms/step
>3918, dr[0.657,0.406], df[0.734,0.029], g[1.049,0.019]
1/1 [=====] - 0s 285ms/step
>3919, dr[0.692,0.485], df[0.750,0.063], g[0.967,0.037]
1/1 [=====] - 0s 296ms/step
>3920, dr[0.710,0.231], df[0.673,0.036], g[1.046,0.029]
1/1 [=====] - 0s 117ms/step
>3921, dr[0.596,0.363], df[0.655,0.019], g[0.966,0.044]
1/1 [=====] - 0s 115ms/step
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>3922, dr[0.718,0.549], df[0.677,0.030], g[1.040,0.032]
1/1 [=====] - 0s 128ms/step
>3923, dr[0.636,0.390], df[0.693,0.042], g[0.949,0.031]
1/1 [=====] - 0s 117ms/step
>3924, dr[0.679,0.567], df[0.652,0.038], g[0.982,0.069]
1/1 [=====] - 0s 124ms/step
>3925, dr[0.781,0.290], df[0.615,0.042], g[0.988,0.026]
1/1 [=====] - 0s 115ms/step
>3926, dr[0.735,0.313], df[0.514,0.023], g[0.908,0.030]
1/1 [=====] - 0s 119ms/step
>3927, dr[0.558,0.318], df[0.654,0.076], g[0.957,0.035]
1/1 [=====] - 0s 127ms/step
>3928, dr[0.596,0.499], df[0.737,0.022], g[0.886,0.036]
1/1 [=====] - 0s 118ms/step
>3929, dr[0.651,0.225], df[0.632,0.038], g[0.999,0.061]
1/1 [=====] - 0s 127ms/step
>3930, dr[0.755,0.678], df[0.713,0.035], g[1.022,0.046]
1/1 [=====] - 0s 137ms/step
>3931, dr[0.567,0.499], df[0.703,0.033], g[0.850,0.039]
1/1 [=====] - 0s 143ms/step
>3932, dr[0.662,0.525], df[0.569,0.021], g[0.918,0.041]
1/1 [=====] - 0s 119ms/step
>3933, dr[0.664,0.383], df[0.791,0.035], g[0.937,0.041]
1/1 [=====] - 0s 111ms/step
>3934, dr[0.648,0.500], df[0.681,0.031], g[0.993,0.028]
1/1 [=====] - 0s 116ms/step
>3935, dr[0.570,0.339], df[0.650,0.092], g[0.988,0.030]
1/1 [=====] - 0s 143ms/step
>3936, dr[0.687,0.270], df[0.565,0.029], g[0.919,0.054]
1/1 [=====] - 0s 338ms/step
>3937, dr[0.561,0.247], df[0.680,0.097], g[0.953,0.037]
1/1 [=====] - 0s 118ms/step
>3938, dr[0.721,0.330], df[0.619,0.030], g[0.869,0.028]
1/1 [=====] - 0s 108ms/step
>3939, dr[0.624,0.501], df[0.738,0.025], g[1.040,0.052]
1/1 [=====] - 0s 130ms/step
>3940, dr[0.726,0.255], df[0.591,0.060], g[0.878,0.065]
1/1 [=====] - 0s 104ms/step
>3941, dr[0.602,0.521], df[0.618,0.026], g[0.896,0.044]
1/1 [=====] - 0s 137ms/step
>3942, dr[0.562,0.485], df[0.615,0.090], g[0.924,0.035]
1/1 [=====] - 0s 126ms/step
>3943, dr[0.690,0.309], df[0.686,0.041], g[0.882,0.032]
1/1 [=====] - 0s 113ms/step
>3944, dr[0.722,0.752], df[0.567,0.087], g[0.907,0.044]
1/1 [=====] - 0s 171ms/step
>3945, dr[0.705,0.449], df[0.733,0.031], g[0.866,0.038]
1/1 [=====] - 0s 124ms/step
>3946, dr[0.603,0.559], df[0.749,0.044], g[0.910,0.040]
1/1 [=====] - 0s 108ms/step
>3947, dr[0.622,0.350], df[0.575,0.032], g[0.925,0.020]
1/1 [=====] - 0s 105ms/step
>3948, dr[0.528,0.755], df[0.674,0.024], g[0.882,0.024]
1/1 [=====] - 0s 122ms/step
>3949, dr[0.585,0.330], df[0.760,0.039], g[0.917,0.051]
1/1 [=====] - 0s 109ms/step
>3950, dr[0.567,0.670], df[0.711,0.024], g[0.939,0.036]
1/1 [=====] - 0s 105ms/step
>3951, dr[0.691,0.554], df[0.516,0.017], g[0.892,0.040]
1/1 [=====] - 0s 169ms/step
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>3952, dr[0.655,0.359], df[0.586,0.042], g[0.907,0.044]
1/1 [=====] - 0s 167ms/step
>3953, dr[0.695,0.501], df[0.708,0.046], g[0.883,0.059]
1/1 [=====] - 0s 145ms/step
>3954, dr[0.539,0.415], df[0.694,0.050], g[0.962,0.040]
1/1 [=====] - 0s 109ms/step
>3955, dr[0.641,0.704], df[0.614,0.044], g[0.906,0.090]
1/1 [=====] - 0s 118ms/step
>3956, dr[0.814,0.650], df[0.623,0.095], g[1.038,0.067]
1/1 [=====] - 0s 112ms/step
>3957, dr[0.614,0.444], df[0.538,0.065], g[0.964,0.039]
1/1 [=====] - 0s 109ms/step
>3958, dr[0.600,0.852], df[0.584,0.037], g[0.996,0.025]
1/1 [=====] - 0s 100ms/step
>3959, dr[0.628,0.338], df[0.678,0.013], g[0.994,0.022]
1/1 [=====] - 0s 117ms/step
>3960, dr[0.648,0.562], df[0.576,0.020], g[0.943,0.046]
1/1 [=====] - 0s 140ms/step
>3961, dr[0.728,0.591], df[0.647,0.024], g[0.879,0.035]
1/1 [=====] - 0s 105ms/step
>3962, dr[0.615,0.220], df[0.634,0.036], g[0.944,0.036]
1/1 [=====] - 0s 113ms/step
>3963, dr[0.632,0.263], df[0.663,0.011], g[0.817,0.022]
1/1 [=====] - 0s 140ms/step
>3964, dr[0.643,0.505], df[0.709,0.019], g[0.944,0.015]
1/1 [=====] - 0s 105ms/step
>3965, dr[0.672,0.477], df[0.729,0.032], g[0.822,0.023]
1/1 [=====] - 0s 108ms/step
>3966, dr[0.648,0.486], df[0.698,0.030], g[0.950,0.035]
1/1 [=====] - 0s 114ms/step
>3967, dr[0.622,0.256], df[0.666,0.038], g[0.915,0.028]
1/1 [=====] - 0s 100ms/step
>3968, dr[0.717,0.375], df[0.595,0.084], g[0.828,0.046]
1/1 [=====] - 0s 107ms/step
>3969, dr[0.519,0.737], df[0.790,0.040], g[0.786,0.075]
1/1 [=====] - 0s 106ms/step
>3970, dr[0.602,0.340], df[0.567,0.014], g[0.812,0.021]
1/1 [=====] - 0s 100ms/step
>3971, dr[0.621,0.322], df[0.665,0.047], g[1.016,0.028]
1/1 [=====] - 0s 104ms/step
>3972, dr[0.587,0.446], df[0.677,0.028], g[0.932,0.019]
1/1 [=====] - 0s 103ms/step
>3973, dr[0.754,0.303], df[0.567,0.015], g[0.868,0.059]
1/1 [=====] - 0s 114ms/step
>3974, dr[0.727,0.272], df[0.711,0.053], g[0.957,0.058]
1/1 [=====] - 0s 99ms/step
>3975, dr[0.559,0.421], df[0.689,0.015], g[0.959,0.020]
1/1 [=====] - 0s 114ms/step
>3976, dr[0.610,0.769], df[0.590,0.029], g[0.807,0.031]
1/1 [=====] - 0s 99ms/step
>3977, dr[0.568,1.106], df[0.570,0.021], g[0.851,0.020]
1/1 [=====] - 0s 101ms/step
>3978, dr[0.620,0.363], df[0.665,0.032], g[0.751,0.042]
1/1 [=====] - 0s 121ms/step
>3979, dr[0.498,0.484], df[0.683,0.031], g[0.905,0.029]
1/1 [=====] - 0s 108ms/step
>3980, dr[0.615,0.452], df[0.686,0.035], g[0.872,0.043]
1/1 [=====] - 0s 111ms/step
>3981, dr[0.552,0.428], df[0.658,0.074], g[0.918,0.029]
1/1 [=====] - 0s 101ms/step
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>3982, dr[0.686,0.552], df[0.744,0.026], g[0.937,0.031]
1/1 [=====] - 0s 190ms/step
>3983, dr[0.643,0.482], df[0.737,0.081], g[0.877,0.058]
1/1 [=====] - 0s 152ms/step
>3984, dr[0.687,0.361], df[0.635,0.042], g[0.877,0.046]
1/1 [=====] - 0s 111ms/step
>3985, dr[0.794,0.405], df[0.554,0.018], g[0.845,0.030]
1/1 [=====] - 0s 104ms/step
>3986, dr[0.809,0.565], df[0.639,0.016], g[0.895,0.036]
1/1 [=====] - 0s 109ms/step
>3987, dr[0.724,0.345], df[0.709,0.035], g[0.810,0.055]
1/1 [=====] - 0s 101ms/step
>3988, dr[0.667,0.346], df[0.592,0.024], g[0.713,0.027]
1/1 [=====] - 0s 100ms/step
>3989, dr[0.642,0.824], df[0.654,0.038], g[0.815,0.032]
1/1 [=====] - 0s 116ms/step
>3990, dr[0.594,0.470], df[0.780,0.031], g[0.887,0.028]
1/1 [=====] - 0s 99ms/step
>3991, dr[0.680,0.527], df[0.641,0.045], g[0.853,0.024]
1/1 [=====] - 0s 108ms/step
>3992, dr[0.584,0.384], df[0.670,0.024], g[0.797,0.030]
1/1 [=====] - 0s 98ms/step
>3993, dr[0.713,0.728], df[0.675,0.038], g[0.888,0.026]
1/1 [=====] - 0s 106ms/step
>3994, dr[0.597,0.727], df[0.631,0.028], g[0.819,0.036]
1/1 [=====] - 0s 123ms/step
>3995, dr[0.577,0.407], df[0.584,0.034], g[0.726,0.032]
1/1 [=====] - 0s 99ms/step
>3996, dr[0.668,0.555], df[0.722,0.011], g[0.850,0.027]
1/1 [=====] - 0s 101ms/step
>3997, dr[0.651,0.232], df[0.767,0.021], g[0.848,0.030]
1/1 [=====] - 0s 120ms/step
>3998, dr[0.592,0.378], df[0.724,0.078], g[0.927,0.016]
1/1 [=====] - 0s 124ms/step
>3999, dr[0.509,0.317], df[0.545,0.035], g[0.988,0.033]
1/1 [=====] - 0s 110ms/step
>4000, dr[0.626,0.570], df[0.654,0.024], g[1.032,0.019]
1/1 [=====] - 0s 108ms/step
>4001, dr[0.698,0.350], df[0.523,0.033], g[0.944,0.050]
1/1 [=====] - 0s 107ms/step
>4002, dr[0.677,0.336], df[0.686,0.031], g[0.919,0.057]
1/1 [=====] - 0s 109ms/step
>4003, dr[0.611,0.558], df[0.634,0.042], g[0.852,0.031]
1/1 [=====] - 0s 115ms/step
>4004, dr[0.576,0.518], df[0.648,0.032], g[0.880,0.032]
1/1 [=====] - 0s 140ms/step
>4005, dr[0.814,0.263], df[0.653,0.025], g[0.923,0.040]
1/1 [=====] - 0s 163ms/step
>4006, dr[0.621,0.556], df[0.621,0.038], g[0.838,0.094]
1/1 [=====] - 0s 136ms/step
>4007, dr[0.527,0.365], df[0.754,0.012], g[0.898,0.064]
1/1 [=====] - 0s 136ms/step
>4008, dr[0.574,0.564], df[0.549,0.013], g[0.848,0.020]
1/1 [=====] - 0s 128ms/step
>4009, dr[0.525,0.306], df[0.700,0.034], g[0.834,0.047]
1/1 [=====] - 0s 130ms/step
>4010, dr[0.768,0.340], df[0.620,0.029], g[0.912,0.026]
1/1 [=====] - 0s 225ms/step
>4011, dr[0.659,0.690], df[0.640,0.019], g[0.901,0.036]
1/1 [=====] - 0s 107ms/step
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>4012, dr[0.774,0.503], df[0.685,0.027], g[0.878,0.031]
1/1 [=====] - 0s 103ms/step
>4013, dr[0.645,0.528], df[0.647,0.104], g[0.888,0.030]
1/1 [=====] - 0s 124ms/step
>4014, dr[0.746,0.485], df[0.764,0.026], g[0.822,0.057]
1/1 [=====] - 0s 108ms/step
>4015, dr[0.695,0.624], df[0.747,0.065], g[0.861,0.032]
1/1 [=====] - 0s 99ms/step
>4016, dr[0.561,0.345], df[0.651,0.028], g[0.874,0.102]
1/1 [=====] - 0s 104ms/step
>4017, dr[0.609,0.436], df[0.715,0.025], g[0.900,0.043]
1/1 [=====] - 0s 101ms/step
>4018, dr[0.584,0.645], df[0.698,0.040], g[1.002,0.033]
1/1 [=====] - 0s 112ms/step
>4019, dr[0.784,0.664], df[0.765,0.057], g[1.046,0.038]
1/1 [=====] - 0s 108ms/step
>4020, dr[0.690,0.381], df[0.663,0.023], g[0.855,0.036]
1/1 [=====] - 0s 122ms/step
>4021, dr[0.618,0.326], df[0.619,0.027], g[0.898,0.076]
1/1 [=====] - 0s 107ms/step
>4022, dr[0.727,0.458], df[0.572,0.030], g[0.907,0.044]
1/1 [=====] - 0s 107ms/step
>4023, dr[0.578,0.580], df[0.716,0.026], g[0.856,0.050]
1/1 [=====] - 0s 104ms/step
>4024, dr[0.629,0.434], df[0.693,0.038], g[0.951,0.026]
1/1 [=====] - 0s 106ms/step
>4025, dr[0.658,0.311], df[0.790,0.028], g[0.989,0.025]
1/1 [=====] - 0s 118ms/step
>4026, dr[0.705,0.346], df[0.597,0.028], g[0.858,0.044]
1/1 [=====] - 0s 118ms/step
>4027, dr[0.684,0.466], df[0.610,0.034], g[0.972,0.090]
1/1 [=====] - 0s 108ms/step
>4028, dr[0.708,0.466], df[0.688,0.058], g[0.983,0.035]
1/1 [=====] - 0s 107ms/step
>4029, dr[0.584,0.352], df[0.632,0.044], g[0.891,0.055]
1/1 [=====] - 0s 105ms/step
>4030, dr[0.621,0.336], df[0.680,0.032], g[0.887,0.052]
1/1 [=====] - 0s 102ms/step
>4031, dr[0.702,0.463], df[0.771,0.030], g[0.833,0.038]
1/1 [=====] - 0s 119ms/step
>4032, dr[0.631,0.412], df[0.645,0.056], g[1.073,0.035]
1/1 [=====] - 0s 99ms/step
>4033, dr[0.683,0.575], df[0.744,0.035], g[0.976,0.052]
1/1 [=====] - 0s 100ms/step
>4034, dr[0.537,0.479], df[0.668,0.061], g[0.826,0.024]
1/1 [=====] - 0s 118ms/step
>4035, dr[0.608,0.625], df[0.656,0.028], g[0.978,0.066]
1/1 [=====] - 0s 109ms/step
>4036, dr[0.582,0.770], df[0.605,0.022], g[1.046,0.061]
1/1 [=====] - 0s 104ms/step
>4037, dr[0.720,0.547], df[0.672,0.164], g[0.908,0.042]
1/1 [=====] - 0s 107ms/step
>4038, dr[0.670,0.383], df[0.673,0.086], g[0.987,0.032]
1/1 [=====] - 0s 98ms/step
>4039, dr[0.629,0.492], df[0.615,0.038], g[0.898,0.037]
1/1 [=====] - 0s 105ms/step
>4040, dr[0.723,0.677], df[0.573,0.036], g[0.950,0.032]
1/1 [=====] - 0s 107ms/step
>4041, dr[0.778,0.417], df[0.609,0.023], g[0.898,0.029]
1/1 [=====] - 0s 106ms/step
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>4042, dr[0.639,0.416], df[0.742,0.016], g[0.916,0.023]
1/1 [=====] - 0s 109ms/step
>4043, dr[0.756,0.450], df[0.691,0.038], g[0.838,0.043]
1/1 [=====] - 0s 107ms/step
>4044, dr[0.667,0.528], df[0.689,0.026], g[0.847,0.024]
1/1 [=====] - 0s 99ms/step
>4045, dr[0.617,0.254], df[0.707,0.035], g[0.901,0.106]
1/1 [=====] - 0s 104ms/step
>4046, dr[0.649,0.402], df[0.758,0.075], g[0.891,0.044]
1/1 [=====] - 0s 100ms/step
>4047, dr[0.624,0.341], df[0.670,0.030], g[0.968,0.036]
1/1 [=====] - 0s 102ms/step
>4048, dr[0.585,0.275], df[0.681,0.048], g[1.009,0.033]
1/1 [=====] - 0s 119ms/step
>4049, dr[0.650,0.704], df[0.656,0.038], g[0.962,0.041]
1/1 [=====] - 0s 103ms/step
>4050, dr[0.605,0.193], df[0.546,0.035], g[0.869,0.024]
1/1 [=====] - 0s 99ms/step
>4051, dr[0.828,0.430], df[0.573,0.065], g[0.962,0.025]
1/1 [=====] - 0s 101ms/step
>4052, dr[0.641,0.374], df[0.691,0.037], g[0.878,0.040]
1/1 [=====] - 0s 104ms/step
>4053, dr[0.678,0.425], df[0.699,0.035], g[0.838,0.041]
1/1 [=====] - 0s 113ms/step
>4054, dr[0.649,0.228], df[0.560,0.042], g[0.860,0.032]
1/1 [=====] - 0s 103ms/step
>4055, dr[0.723,0.334], df[0.723,0.024], g[0.837,0.039]
1/1 [=====] - 0s 99ms/step
>4056, dr[0.696,0.607], df[0.855,0.037], g[0.882,0.035]
1/1 [=====] - 0s 119ms/step
>4057, dr[0.633,0.432], df[0.684,0.025], g[0.901,0.025]
1/1 [=====] - 0s 112ms/step
>4058, dr[0.547,0.538], df[0.677,0.035], g[0.847,0.032]
1/1 [=====] - 0s 103ms/step
>4059, dr[0.765,0.609], df[0.716,0.044], g[0.890,0.043]
1/1 [=====] - 0s 118ms/step
>4060, dr[0.597,0.609], df[0.650,0.075], g[0.896,0.025]
1/1 [=====] - 0s 100ms/step
>4061, dr[0.711,0.321], df[0.693,0.039], g[0.869,0.040]
1/1 [=====] - 0s 101ms/step
>4062, dr[0.575,0.346], df[0.644,0.058], g[0.966,0.017]
1/1 [=====] - 0s 110ms/step
>4063, dr[0.713,0.407], df[0.649,0.022], g[0.929,0.037]
1/1 [=====] - 0s 105ms/step
>4064, dr[0.659,0.304], df[0.632,0.034], g[0.928,0.029]
1/1 [=====] - 0s 98ms/step
>4065, dr[0.694,0.323], df[0.546,0.060], g[0.935,0.030]
1/1 [=====] - 0s 101ms/step
>4066, dr[0.614,0.937], df[0.723,0.027], g[0.916,0.045]
1/1 [=====] - 0s 108ms/step
>4067, dr[0.655,0.511], df[0.643,0.024], g[0.881,0.025]
1/1 [=====] - 0s 114ms/step
>4068, dr[0.708,0.534], df[0.718,0.033], g[0.891,0.032]
1/1 [=====] - 0s 98ms/step
>4069, dr[0.665,0.338], df[0.680,0.036], g[0.938,0.037]
1/1 [=====] - 0s 99ms/step
>4070, dr[0.753,0.887], df[0.641,0.015], g[0.853,0.040]
1/1 [=====] - 0s 138ms/step
>4071, dr[0.715,0.538], df[0.682,0.024], g[0.814,0.036]
1/1 [=====] - 0s 117ms/step
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>4072, dr[0.627,0.898], df[0.743,0.044], g[0.898,0.038]
1/1 [=====] - 0s 120ms/step
>4073, dr[0.607,0.474], df[0.812,0.040], g[0.787,0.037]
1/1 [=====] - 0s 136ms/step
>4074, dr[0.669,0.774], df[0.608,0.027], g[0.944,0.048]
1/1 [=====] - 0s 134ms/step
>4075, dr[0.621,0.200], df[0.688,0.016], g[0.923,0.025]
1/1 [=====] - 0s 108ms/step
>4076, dr[0.786,0.899], df[0.683,0.026], g[0.850,0.054]
1/1 [=====] - 0s 114ms/step
>4077, dr[0.530,0.430], df[0.643,0.037], g[0.873,0.026]
1/1 [=====] - 0s 137ms/step
>4078, dr[0.640,0.515], df[0.580,0.031], g[0.922,0.042]
1/1 [=====] - 0s 111ms/step
>4079, dr[0.641,0.682], df[0.754,0.030], g[0.920,0.072]
1/1 [=====] - 0s 118ms/step
>4080, dr[0.629,0.507], df[0.767,0.027], g[0.888,0.073]
1/1 [=====] - 0s 111ms/step
>4081, dr[0.680,0.375], df[0.654,0.020], g[0.957,0.028]
1/1 [=====] - 0s 99ms/step
>4082, dr[0.644,0.288], df[0.600,0.018], g[0.954,0.033]
1/1 [=====] - 0s 109ms/step
>4083, dr[0.559,0.368], df[0.579,0.026], g[0.957,0.041]
1/1 [=====] - 0s 102ms/step
>4084, dr[0.551,0.315], df[0.712,0.132], g[0.990,0.019]
1/1 [=====] - 0s 99ms/step
>4085, dr[0.677,0.567], df[0.708,0.028], g[1.001,0.032]
1/1 [=====] - 0s 110ms/step
>4086, dr[0.655,0.238], df[0.521,0.042], g[0.881,0.052]
1/1 [=====] - 0s 102ms/step
>4087, dr[0.556,0.261], df[0.546,0.022], g[0.975,0.035]
1/1 [=====] - 0s 131ms/step
>4088, dr[0.698,0.479], df[0.615,0.023], g[0.825,0.019]
1/1 [=====] - 0s 121ms/step
>4089, dr[0.600,0.316], df[0.614,0.033], g[0.993,0.037]
1/1 [=====] - 0s 116ms/step
>4090, dr[0.710,0.377], df[0.709,0.032], g[0.983,0.061]
1/1 [=====] - 0s 119ms/step
>4091, dr[0.567,0.520], df[0.678,0.022], g[0.910,0.035]
1/1 [=====] - 0s 118ms/step
>4092, dr[0.701,0.383], df[0.730,0.043], g[0.977,0.049]
1/1 [=====] - 0s 118ms/step
>4093, dr[0.637,0.443], df[0.583,0.031], g[0.942,0.020]
1/1 [=====] - 0s 117ms/step
>4094, dr[0.728,0.498], df[0.674,0.024], g[0.898,0.038]
1/1 [=====] - 0s 122ms/step
>4095, dr[0.639,0.791], df[0.627,0.020], g[0.885,0.019]
1/1 [=====] - 0s 157ms/step
>4096, dr[0.683,0.457], df[0.716,0.024], g[0.973,0.085]
1/1 [=====] - 0s 110ms/step
>4097, dr[0.563,0.423], df[0.666,0.013], g[0.945,0.055]
1/1 [=====] - 0s 109ms/step
>4098, dr[0.720,0.427], df[0.564,0.017], g[0.968,0.038]
1/1 [=====] - 0s 148ms/step
>4099, dr[0.711,0.728], df[0.652,0.022], g[0.770,0.041]
1/1 [=====] - 0s 129ms/step
>4100, dr[0.661,0.668], df[0.666,0.026], g[0.956,0.015]
1/1 [=====] - 0s 113ms/step
>4101, dr[0.531,0.614], df[0.734,0.058], g[0.970,0.029]
1/1 [=====] - 0s 108ms/step
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>4102, dr[0.688,0.586], df[0.642,0.025], g[0.957,0.050]
1/1 [=====] - 0s 117ms/step
>4103, dr[0.656,0.457], df[0.689,0.045], g[0.877,0.028]
1/1 [=====] - 0s 115ms/step
>4104, dr[0.790,0.254], df[0.679,0.084], g[0.848,0.031]
1/1 [=====] - 0s 113ms/step
>4105, dr[0.620,0.385], df[0.762,0.036], g[0.839,0.036]
1/1 [=====] - 0s 116ms/step
>4106, dr[0.515,0.339], df[0.631,0.177], g[0.902,0.050]
1/1 [=====] - 0s 121ms/step
>4107, dr[0.617,0.258], df[0.671,0.033], g[0.841,0.040]
1/1 [=====] - 0s 110ms/step
>4108, dr[0.686,0.444], df[0.728,0.066], g[0.959,0.037]
1/1 [=====] - 0s 111ms/step
>4109, dr[0.649,0.399], df[0.626,0.038], g[0.832,0.040]
1/1 [=====] - 0s 129ms/step
>4110, dr[0.721,0.617], df[0.774,0.039], g[0.895,0.038]
1/1 [=====] - 0s 112ms/step
>4111, dr[0.616,0.168], df[0.663,0.025], g[0.893,0.041]
1/1 [=====] - 0s 109ms/step
>4112, dr[0.645,0.547], df[0.743,0.044], g[0.855,0.036]
1/1 [=====] - 0s 121ms/step
>4113, dr[0.705,0.288], df[0.642,0.023], g[0.902,0.027]
1/1 [=====] - 0s 112ms/step
>4114, dr[0.628,0.414], df[0.674,0.019], g[0.893,0.067]
1/1 [=====] - 0s 132ms/step
>4115, dr[0.620,0.554], df[0.607,0.029], g[0.921,0.028]
1/1 [=====] - 0s 114ms/step
>4116, dr[0.742,0.687], df[0.761,0.022], g[0.925,0.095]
1/1 [=====] - 0s 115ms/step
>4117, dr[0.779,0.419], df[0.686,0.049], g[0.942,0.044]
1/1 [=====] - 0s 124ms/step
>4118, dr[0.701,0.346], df[0.582,0.015], g[1.004,0.032]
1/1 [=====] - 0s 112ms/step
>4119, dr[0.707,0.459], df[0.713,0.077], g[0.907,0.042]
1/1 [=====] - 0s 125ms/step
>4120, dr[0.601,0.518], df[0.669,0.024], g[0.935,0.035]
1/1 [=====] - 0s 461ms/step
>4121, dr[0.554,0.514], df[0.653,0.046], g[0.899,0.041]
1/1 [=====] - 0s 106ms/step
>4122, dr[0.616,0.438], df[0.585,0.025], g[0.879,0.038]
1/1 [=====] - 0s 101ms/step
>4123, dr[0.718,0.377], df[0.643,0.024], g[0.913,0.026]
1/1 [=====] - 0s 102ms/step
>4124, dr[0.705,0.964], df[0.643,0.031], g[0.991,0.020]
1/1 [=====] - 0s 106ms/step
>4125, dr[0.602,0.273], df[0.755,0.021], g[0.952,0.020]
1/1 [=====] - 0s 125ms/step
>4126, dr[0.658,0.515], df[0.613,0.059], g[0.811,0.044]
1/1 [=====] - 0s 110ms/step
>4127, dr[0.838,0.814], df[0.681,0.024], g[0.926,0.036]
1/1 [=====] - 0s 110ms/step
>4128, dr[0.643,0.793], df[0.663,0.066], g[0.882,0.034]
1/1 [=====] - 0s 125ms/step
>4129, dr[0.563,0.424], df[0.517,0.014], g[0.832,0.081]
1/1 [=====] - 0s 117ms/step
>4130, dr[0.652,0.287], df[0.613,0.061], g[0.871,0.047]
1/1 [=====] - 0s 108ms/step
>4131, dr[0.795,0.208], df[0.768,0.048], g[0.804,0.051]
1/1 [=====] - 0s 125ms/step
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>4132, dr[0.688,0.356], df[0.787,0.029], g[0.773,0.067]
1/1 [=====] - 0s 111ms/step
>4133, dr[0.667,0.567], df[0.594,0.030], g[0.899,0.045]
1/1 [=====] - 0s 110ms/step
>4134, dr[0.569,0.474], df[0.601,0.020], g[0.881,0.033]
1/1 [=====] - 0s 121ms/step
>4135, dr[0.591,0.703], df[0.620,0.043], g[0.890,0.036]
1/1 [=====] - 0s 116ms/step
>4136, dr[0.560,0.222], df[0.702,0.049], g[0.910,0.029]
1/1 [=====] - 0s 111ms/step
>4137, dr[0.644,0.745], df[0.628,0.036], g[0.887,0.061]
1/1 [=====] - 0s 125ms/step
>4138, dr[0.568,0.118], df[0.864,0.054], g[1.011,0.038]
1/1 [=====] - 0s 121ms/step
>4139, dr[0.688,0.324], df[0.618,0.103], g[0.968,0.028]
1/1 [=====] - 0s 127ms/step
>4140, dr[0.708,0.454], df[0.745,0.045], g[0.900,0.048]
1/1 [=====] - 0s 120ms/step
>4141, dr[0.790,1.083], df[0.654,0.160], g[0.978,0.047]
1/1 [=====] - 0s 123ms/step
>4142, dr[0.618,0.487], df[0.658,0.020], g[0.947,0.039]
1/1 [=====] - 0s 117ms/step
>4143, dr[0.729,0.420], df[0.678,0.027], g[0.892,0.031]
1/1 [=====] - 0s 107ms/step
>4144, dr[0.569,0.572], df[0.722,0.020], g[1.028,0.029]
1/1 [=====] - 0s 116ms/step
>4145, dr[0.632,0.474], df[0.725,0.055], g[0.941,0.033]
1/1 [=====] - 0s 100ms/step
>4146, dr[0.662,0.340], df[0.596,0.017], g[0.860,0.069]
1/1 [=====] - 0s 102ms/step
>4147, dr[0.677,0.522], df[0.590,0.019], g[1.051,0.031]
1/1 [=====] - 0s 120ms/step
>4148, dr[0.716,0.627], df[0.577,0.032], g[1.032,0.038]
1/1 [=====] - 0s 109ms/step
>4149, dr[0.658,0.551], df[0.614,0.029], g[0.926,0.029]
1/1 [=====] - 0s 104ms/step
>4150, dr[0.694,0.520], df[0.613,0.022], g[0.885,0.041]
1/1 [=====] - 0s 130ms/step
>4151, dr[0.661,0.425], df[0.789,0.057], g[0.909,0.033]
1/1 [=====] - 0s 104ms/step
>4152, dr[0.588,0.375], df[0.655,0.044], g[0.887,0.042]
1/1 [=====] - 0s 101ms/step
>4153, dr[0.615,0.416], df[0.665,0.026], g[0.909,0.047]
1/1 [=====] - 0s 115ms/step
>4154, dr[0.674,0.915], df[0.599,0.072], g[0.920,0.051]
1/1 [=====] - 0s 107ms/step
>4155, dr[0.613,0.666], df[0.682,0.034], g[0.925,0.054]
1/1 [=====] - 0s 103ms/step
>4156, dr[0.670,0.312], df[0.616,0.023], g[0.867,0.024]
1/1 [=====] - 0s 107ms/step
>4157, dr[0.657,0.227], df[0.736,0.021], g[0.921,0.031]
1/1 [=====] - 0s 128ms/step
>4158, dr[0.561,0.444], df[0.697,0.029], g[0.919,0.070]
1/1 [=====] - 0s 119ms/step
>4159, dr[0.514,0.401], df[0.530,0.022], g[0.923,0.013]
1/1 [=====] - 0s 129ms/step
>4160, dr[0.698,0.838], df[0.509,0.030], g[0.950,0.033]
1/1 [=====] - 0s 136ms/step
>4161, dr[0.740,0.223], df[0.679,0.057], g[0.910,0.038]
1/1 [=====] - 0s 166ms/step
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>4162, dr[0.607,0.740], df[0.776,0.047], g[0.805,0.030]
1/1 [=====] - 0s 120ms/step
>4163, dr[0.572,0.530], df[0.661,0.019], g[0.986,0.053]
1/1 [=====] - 0s 126ms/step
>4164, dr[0.814,0.635], df[0.654,0.027], g[0.896,0.064]
1/1 [=====] - 0s 134ms/step
>4165, dr[0.720,0.498], df[0.676,0.077], g[0.997,0.039]
1/1 [=====] - 0s 125ms/step
>4166, dr[0.681,0.384], df[0.685,0.022], g[0.899,0.037]
1/1 [=====] - 0s 120ms/step
>4167, dr[0.718,0.563], df[0.783,0.040], g[0.864,0.037]
1/1 [=====] - 0s 112ms/step
>4168, dr[0.606,0.357], df[0.624,0.048], g[0.901,0.039]
1/1 [=====] - 0s 117ms/step
>4169, dr[0.554,0.289], df[0.579,0.034], g[0.974,0.035]
1/1 [=====] - 0s 107ms/step
>4170, dr[0.610,0.363], df[0.739,0.042], g[1.020,0.049]
1/1 [=====] - 0s 122ms/step
>4171, dr[0.734,0.805], df[0.624,0.061], g[0.904,0.031]
1/1 [=====] - 0s 117ms/step
>4172, dr[0.713,0.404], df[0.759,0.031], g[1.042,0.025]
1/1 [=====] - 0s 113ms/step
>4173, dr[0.680,0.344], df[0.660,0.022], g[0.953,0.026]
1/1 [=====] - 0s 119ms/step
>4174, dr[0.590,0.437], df[0.669,0.029], g[0.921,0.040]
1/1 [=====] - 0s 112ms/step
>4175, dr[0.625,0.696], df[0.604,0.020], g[0.987,0.030]
1/1 [=====] - 0s 110ms/step
>4176, dr[0.622,0.561], df[0.685,0.024], g[0.901,0.035]
1/1 [=====] - 0s 121ms/step
>4177, dr[0.747,0.544], df[0.580,0.027], g[0.948,0.039]
1/1 [=====] - 0s 120ms/step
>4178, dr[0.624,0.493], df[0.663,0.036], g[0.856,0.036]
1/1 [=====] - 0s 108ms/step
>4179, dr[0.614,0.697], df[0.607,0.069], g[0.830,0.048]
1/1 [=====] - 0s 121ms/step
>4180, dr[0.768,0.266], df[0.632,0.014], g[0.834,0.082]
1/1 [=====] - 0s 103ms/step
>4181, dr[0.602,0.489], df[0.716,0.025], g[0.856,0.033]
1/1 [=====] - 0s 111ms/step
>4182, dr[0.468,0.821], df[0.742,0.042], g[0.924,0.035]
1/1 [=====] - 0s 104ms/step
>4183, dr[0.597,0.411], df[0.641,0.075], g[0.809,0.026]
1/1 [=====] - 0s 110ms/step
>4184, dr[0.726,0.522], df[0.631,0.031], g[0.906,0.073]
1/1 [=====] - 0s 101ms/step
>4185, dr[0.654,0.227], df[0.655,0.023], g[0.877,0.023]
1/1 [=====] - 0s 103ms/step
>4186, dr[0.677,0.840], df[0.615,0.013], g[0.972,0.038]
1/1 [=====] - 0s 116ms/step
>4187, dr[0.571,0.583], df[0.555,0.032], g[0.932,0.039]
1/1 [=====] - 0s 119ms/step
>4188, dr[0.683,0.384], df[0.652,0.021], g[0.883,0.025]
1/1 [=====] - 0s 111ms/step
>4189, dr[0.658,0.485], df[0.716,0.038], g[0.888,0.045]
1/1 [=====] - 0s 125ms/step
>4190, dr[0.674,0.742], df[0.666,0.038], g[0.874,0.021]
1/1 [=====] - 0s 102ms/step
>4191, dr[0.596,0.213], df[0.718,0.022], g[0.965,0.021]
1/1 [=====] - 0s 108ms/step
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>4192, dr[0.660,0.885], df[0.657,0.037], g[0.949,0.066]
1/1 [=====] - 0s 119ms/step
>4193, dr[0.675,0.512], df[0.634,0.040], g[0.818,0.041]
1/1 [=====] - 0s 129ms/step
>4194, dr[0.707,0.320], df[0.684,0.025], g[0.875,0.039]
1/1 [=====] - 0s 102ms/step
>4195, dr[0.605,0.354], df[0.691,0.044], g[0.918,0.029]
1/1 [=====] - 0s 127ms/step
>4196, dr[0.659,0.460], df[0.674,0.013], g[0.987,0.018]
1/1 [=====] - 0s 110ms/step
>4197, dr[0.727,0.985], df[0.713,0.020], g[0.995,0.020]
1/1 [=====] - 0s 119ms/step
>4198, dr[0.757,0.251], df[0.615,0.043], g[0.879,0.022]
1/1 [=====] - 0s 127ms/step
>4199, dr[0.604,0.476], df[0.714,0.036], g[0.878,0.033]
1/1 [=====] - 0s 123ms/step
>4200, dr[0.684,0.367], df[0.659,0.027], g[0.767,0.037]
1/1 [=====] - 0s 100ms/step
>4201, dr[0.562,0.564], df[0.580,0.019], g[0.854,0.028]
1/1 [=====] - 0s 107ms/step
>4202, dr[0.617,0.467], df[0.635,0.050], g[0.840,0.025]
1/1 [=====] - 0s 102ms/step
>4203, dr[0.590,0.833], df[0.662,0.026], g[0.975,0.022]
1/1 [=====] - 0s 112ms/step
>4204, dr[0.613,0.285], df[0.640,0.016], g[0.829,0.089]
1/1 [=====] - 0s 110ms/step
>4205, dr[0.630,0.182], df[0.680,0.018], g[0.867,0.039]
1/1 [=====] - 0s 111ms/step
>4206, dr[0.683,0.386], df[0.612,0.020], g[0.902,0.029]
1/1 [=====] - 0s 174ms/step
>4207, dr[0.684,0.371], df[0.642,0.026], g[0.929,0.032]
1/1 [=====] - 0s 237ms/step
>4208, dr[0.623,0.516], df[0.716,0.037], g[0.921,0.033]
1/1 [=====] - 0s 144ms/step
>4209, dr[0.666,0.303], df[0.708,0.031], g[0.909,0.026]
1/1 [=====] - 0s 162ms/step
>4210, dr[0.548,0.629], df[0.525,0.056], g[0.966,0.021]
1/1 [=====] - 0s 143ms/step
>4211, dr[0.577,0.561], df[0.716,0.033], g[0.905,0.030]
1/1 [=====] - 0s 150ms/step
>4212, dr[0.536,0.503], df[0.612,0.019], g[0.824,0.024]
1/1 [=====] - 0s 119ms/step
>4213, dr[0.690,0.826], df[0.663,0.055], g[0.892,0.038]
1/1 [=====] - 0s 148ms/step
>4214, dr[0.738,0.417], df[0.721,0.028], g[0.867,0.020]
1/1 [=====] - 0s 133ms/step
>4215, dr[0.630,0.815], df[0.566,0.050], g[0.910,0.021]
1/1 [=====] - 0s 151ms/step
>4216, dr[0.721,0.468], df[0.646,0.029], g[1.034,0.022]
1/1 [=====] - 0s 139ms/step
>4217, dr[0.648,0.564], df[0.655,0.041], g[0.983,0.048]
1/1 [=====] - 0s 121ms/step
>4218, dr[0.622,0.551], df[0.647,0.019], g[0.866,0.045]
1/1 [=====] - 0s 176ms/step
>4219, dr[0.601,0.495], df[0.573,0.026], g[0.888,0.041]
1/1 [=====] - 0s 117ms/step
>4220, dr[0.602,0.328], df[0.807,0.046], g[0.886,0.033]
1/1 [=====] - 0s 134ms/step
>4221, dr[0.546,0.394], df[0.615,0.066], g[0.969,0.032]
1/1 [=====] - 0s 118ms/step
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>4222, dr[0.639,0.392], df[0.662,0.033], g[0.935,0.034]
1/1 [=====] - 0s 108ms/step
>4223, dr[0.727,0.645], df[0.641,0.022], g[0.837,0.053]
1/1 [=====] - 0s 108ms/step
>4224, dr[0.764,0.638], df[0.700,0.054], g[0.883,0.034]
1/1 [=====] - 0s 125ms/step
>4225, dr[0.608,0.690], df[0.724,0.040], g[0.938,0.025]
1/1 [=====] - 0s 144ms/step
>4226, dr[0.665,0.267], df[0.695,0.066], g[0.962,0.051]
1/1 [=====] - 0s 119ms/step
>4227, dr[0.653,0.570], df[0.615,0.038], g[0.901,0.040]
1/1 [=====] - 0s 136ms/step
>4228, dr[0.624,0.203], df[0.727,0.032], g[0.910,0.057]
1/1 [=====] - 0s 120ms/step
>4229, dr[0.720,0.713], df[0.652,0.196], g[0.896,0.025]
1/1 [=====] - 0s 148ms/step
>4230, dr[0.565,0.594], df[0.594,0.021], g[0.884,0.067]
1/1 [=====] - 0s 117ms/step
>4231, dr[0.574,0.278], df[0.594,0.054], g[0.989,0.066]
1/1 [=====] - 0s 117ms/step
>4232, dr[0.587,0.458], df[0.626,0.044], g[0.891,0.031]
1/1 [=====] - 0s 131ms/step
>4233, dr[0.581,0.353], df[0.683,0.035], g[0.958,0.047]
1/1 [=====] - 0s 130ms/step
>4234, dr[0.659,0.644], df[0.623,0.063], g[1.075,0.038]
1/1 [=====] - 0s 134ms/step
>4235, dr[0.654,0.865], df[0.706,0.041], g[0.856,0.033]
1/1 [=====] - 0s 120ms/step
>4236, dr[0.572,0.511], df[0.603,0.065], g[1.001,0.050]
1/1 [=====] - 0s 132ms/step
>4237, dr[0.809,0.499], df[0.639,0.037], g[0.890,0.059]
1/1 [=====] - 0s 116ms/step
>4238, dr[0.670,0.371], df[0.666,0.050], g[0.841,0.074]
1/1 [=====] - 0s 120ms/step
>4239, dr[0.566,0.374], df[0.790,0.072], g[0.904,0.055]
1/1 [=====] - 0s 121ms/step
>4240, dr[0.700,0.418], df[0.656,0.024], g[1.007,0.017]
1/1 [=====] - 0s 135ms/step
>4241, dr[0.699,0.711], df[0.528,0.022], g[0.828,0.063]
1/1 [=====] - 0s 119ms/step
>4242, dr[0.709,0.328], df[0.599,0.042], g[0.904,0.047]
1/1 [=====] - 0s 129ms/step
>4243, dr[0.753,0.456], df[0.591,0.028], g[0.806,0.047]
1/1 [=====] - 0s 130ms/step
>4244, dr[0.558,0.308], df[0.664,0.026], g[0.772,0.037]
1/1 [=====] - 0s 137ms/step
>4245, dr[0.658,0.268], df[0.821,0.023], g[0.875,0.063]
1/1 [=====] - 0s 133ms/step
>4246, dr[0.634,0.335], df[0.682,0.024], g[0.890,0.034]
1/1 [=====] - 0s 168ms/step
>4247, dr[0.655,0.230], df[0.760,0.026], g[0.969,0.063]
1/1 [=====] - 0s 150ms/step
>4248, dr[0.632,0.290], df[0.668,0.035], g[0.828,0.042]
1/1 [=====] - 0s 160ms/step
>4249, dr[0.835,1.121], df[0.728,0.029], g[0.916,0.058]
1/1 [=====] - 0s 183ms/step
>4250, dr[0.743,0.172], df[0.663,0.021], g[0.863,0.053]
1/1 [=====] - 0s 116ms/step
>4251, dr[0.641,0.658], df[0.713,0.031], g[0.889,0.022]
1/1 [=====] - 0s 113ms/step
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>4252, dr[0.614,0.847], df[0.705,0.049], g[0.831,0.033]
1/1 [=====] - 0s 151ms/step
>4253, dr[0.659,0.519], df[0.627,0.026], g[0.804,0.039]
1/1 [=====] - 0s 236ms/step
>4254, dr[0.651,0.334], df[0.645,0.040], g[0.830,0.046]
1/1 [=====] - 0s 135ms/step
>4255, dr[0.715,0.430], df[0.677,0.041], g[0.870,0.022]
1/1 [=====] - 0s 126ms/step
>4256, dr[0.595,0.276], df[0.728,0.030], g[0.908,0.039]
1/1 [=====] - 0s 114ms/step
>4257, dr[0.641,0.488], df[0.675,0.047], g[0.928,0.031]
1/1 [=====] - 0s 129ms/step
>4258, dr[0.623,0.499], df[0.689,0.019], g[0.884,0.050]
1/1 [=====] - 0s 118ms/step
>4259, dr[0.615,0.225], df[0.693,0.041], g[0.876,0.050]
1/1 [=====] - 0s 117ms/step
>4260, dr[0.592,0.439], df[0.676,0.021], g[0.923,0.042]
1/1 [=====] - 0s 127ms/step
>4261, dr[0.646,0.465], df[0.598,0.013], g[0.890,0.038]
1/1 [=====] - 0s 295ms/step
>4262, dr[0.628,0.365], df[0.541,0.082], g[0.987,0.031]
1/1 [=====] - 0s 118ms/step
>4263, dr[0.584,0.293], df[0.541,0.025], g[0.993,0.022]
1/1 [=====] - 0s 121ms/step
>4264, dr[0.590,0.988], df[0.666,0.040], g[0.922,0.039]
1/1 [=====] - 0s 116ms/step
>4265, dr[0.655,0.556], df[0.637,0.022], g[0.947,0.038]
1/1 [=====] - 0s 109ms/step
>4266, dr[0.698,0.570], df[0.584,0.028], g[0.893,0.035]
1/1 [=====] - 0s 105ms/step
>4267, dr[0.647,0.678], df[0.671,0.061], g[1.017,0.032]
1/1 [=====] - 0s 106ms/step
>4268, dr[0.742,0.372], df[0.621,0.034], g[0.875,0.024]
1/1 [=====] - 0s 111ms/step
>4269, dr[0.617,0.569], df[0.751,0.019], g[0.891,0.028]
1/1 [=====] - 0s 105ms/step
>4270, dr[0.583,0.383], df[0.682,0.064], g[0.887,0.036]
1/1 [=====] - 0s 106ms/step
>4271, dr[0.597,0.509], df[0.643,0.013], g[0.880,0.044]
1/1 [=====] - 0s 124ms/step
>4272, dr[0.659,0.550], df[0.582,0.085], g[0.855,0.031]
1/1 [=====] - 0s 115ms/step
>4273, dr[0.722,0.849], df[0.686,0.021], g[0.833,0.094]
1/1 [=====] - 0s 124ms/step
>4274, dr[0.679,0.772], df[0.662,0.021], g[0.891,0.071]
1/1 [=====] - 0s 119ms/step
>4275, dr[0.586,0.548], df[0.663,0.024], g[0.946,0.044]
1/1 [=====] - 0s 107ms/step
>4276, dr[0.712,0.432], df[0.659,0.045], g[0.845,0.057]
1/1 [=====] - 0s 114ms/step
>4277, dr[0.577,0.523], df[0.779,0.022], g[0.925,0.036]
1/1 [=====] - 0s 112ms/step
>4278, dr[0.634,0.149], df[0.622,0.028], g[0.918,0.063]
1/1 [=====] - 0s 114ms/step
>4279, dr[0.628,0.465], df[0.654,0.022], g[1.061,0.040]
1/1 [=====] - 0s 117ms/step
>4280, dr[0.731,0.624], df[0.556,0.031], g[0.824,0.055]
1/1 [=====] - 0s 125ms/step
>4281, dr[0.647,0.373], df[0.602,0.035], g[0.860,0.051]
1/1 [=====] - 0s 108ms/step
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>4282, dr[0.682,0.290], df[0.589,0.024], g[0.978,0.061]
1/1 [=====] - 0s 110ms/step
>4283, dr[0.765,0.523], df[0.650,0.076], g[0.849,0.042]
1/1 [=====] - 0s 112ms/step
>4284, dr[0.511,0.441], df[0.604,0.025], g[0.885,0.040]
1/1 [=====] - 0s 109ms/step
>4285, dr[0.632,0.420], df[0.713,0.022], g[0.878,0.031]
1/1 [=====] - 0s 109ms/step
>4286, dr[0.636,0.707], df[0.693,0.053], g[0.982,0.036]
1/1 [=====] - 0s 109ms/step
>4287, dr[0.660,0.356], df[0.688,0.042], g[0.858,0.047]
1/1 [=====] - 0s 117ms/step
>4288, dr[0.634,0.255], df[0.599,0.031], g[0.878,0.076]
1/1 [=====] - 0s 117ms/step
>4289, dr[0.626,0.474], df[0.635,0.059], g[0.918,0.024]
1/1 [=====] - 0s 106ms/step
>4290, dr[0.714,0.649], df[0.727,0.024], g[0.824,0.023]
1/1 [=====] - 0s 107ms/step
>4291, dr[0.551,0.391], df[0.582,0.034], g[0.872,0.032]
1/1 [=====] - 0s 121ms/step
>4292, dr[0.523,0.169], df[0.593,0.026], g[0.857,0.033]
1/1 [=====] - 0s 110ms/step
>4293, dr[0.636,0.422], df[0.621,0.021], g[0.877,0.067]
1/1 [=====] - 0s 108ms/step
>4294, dr[0.764,0.427], df[0.601,0.019], g[0.923,0.028]
1/1 [=====] - 0s 144ms/step
>4295, dr[0.701,0.556], df[0.756,0.141], g[0.859,0.045]
1/1 [=====] - 0s 117ms/step
>4296, dr[0.627,0.230], df[0.783,0.020], g[1.003,0.032]
1/1 [=====] - 0s 108ms/step
>4297, dr[0.584,0.370], df[0.662,0.018], g[0.942,0.021]
1/1 [=====] - 0s 136ms/step
>4298, dr[0.622,0.497], df[0.669,0.019], g[0.833,0.045]
1/1 [=====] - 0s 119ms/step
>4299, dr[0.746,0.596], df[0.716,0.029], g[0.975,0.026]
1/1 [=====] - 0s 111ms/step
>4300, dr[0.714,0.467], df[0.694,0.016], g[0.939,0.026]
1/1 [=====] - 0s 108ms/step
>4301, dr[0.792,0.522], df[0.672,0.033], g[0.835,0.038]
1/1 [=====] - 0s 108ms/step
>4302, dr[0.616,0.554], df[0.745,0.024], g[0.837,0.040]
1/1 [=====] - 0s 119ms/step
>4303, dr[0.594,0.888], df[0.758,0.020], g[0.933,0.031]
1/1 [=====] - 0s 107ms/step
>4304, dr[0.682,0.637], df[0.689,0.031], g[0.926,0.051]
1/1 [=====] - 0s 104ms/step
>4305, dr[0.498,0.649], df[0.693,0.039], g[0.953,0.080]
1/1 [=====] - 0s 111ms/step
>4306, dr[0.768,0.721], df[0.615,0.040], g[0.850,0.037]
1/1 [=====] - 0s 116ms/step
>4307, dr[0.702,0.866], df[0.667,0.018], g[0.950,0.042]
1/1 [=====] - 0s 106ms/step
>4308, dr[0.706,0.560], df[0.752,0.025], g[0.943,0.035]
1/1 [=====] - 0s 109ms/step
>4309, dr[0.662,0.355], df[0.598,0.018], g[0.940,0.050]
1/1 [=====] - 0s 115ms/step
>4310, dr[0.813,0.623], df[0.549,0.028], g[0.831,0.069]
1/1 [=====] - 0s 106ms/step
>4311, dr[0.604,0.500], df[0.638,0.047], g[0.868,0.042]
1/1 [=====] - 0s 110ms/step
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>4312, dr[0.674,0.406], df[0.772,0.018], g[0.873,0.029]
1/1 [=====] - 0s 110ms/step
>4313, dr[0.544,0.547], df[0.716,0.045], g[0.817,0.030]
1/1 [=====] - 0s 113ms/step
>4314, dr[0.617,0.250], df[0.764,0.042], g[0.878,0.030]
1/1 [=====] - 0s 108ms/step
>4315, dr[0.672,0.446], df[0.728,0.032], g[0.872,0.029]
1/1 [=====] - 0s 107ms/step
>4316, dr[0.617,0.469], df[0.603,0.067], g[0.907,0.034]
1/1 [=====] - 0s 117ms/step
>4317, dr[0.663,0.462], df[0.719,0.025], g[0.983,0.038]
1/1 [=====] - 0s 119ms/step
>4318, dr[0.747,0.218], df[0.607,0.033], g[0.840,0.052]
1/1 [=====] - 0s 106ms/step
>4319, dr[0.621,0.483], df[0.550,0.031], g[0.968,0.046]
1/1 [=====] - 0s 111ms/step
>4320, dr[0.647,0.569], df[0.692,0.031], g[0.888,0.046]
1/1 [=====] - 0s 110ms/step
>4321, dr[0.629,0.430], df[0.646,0.037], g[0.963,0.030]
1/1 [=====] - 0s 109ms/step
>4322, dr[0.699,0.461], df[0.634,0.058], g[0.910,0.059]
1/1 [=====] - 0s 114ms/step
>4323, dr[0.665,0.268], df[0.606,0.057], g[0.928,0.045]
1/1 [=====] - 0s 117ms/step
>4324, dr[0.669,0.536], df[0.596,0.028], g[0.806,0.037]
1/1 [=====] - 0s 109ms/step
>4325, dr[0.668,0.358], df[0.695,0.040], g[0.825,0.032]
1/1 [=====] - 0s 111ms/step
>4326, dr[0.683,0.602], df[0.698,0.021], g[0.887,0.049]
1/1 [=====] - 0s 117ms/step
>4327, dr[0.713,0.500], df[0.815,0.050], g[0.869,0.023]
1/1 [=====] - 0s 123ms/step
>4328, dr[0.625,0.808], df[0.631,0.017], g[0.989,0.035]
1/1 [=====] - 0s 116ms/step
>4329, dr[0.629,0.685], df[0.580,0.037], g[0.838,0.034]
1/1 [=====] - 0s 128ms/step
>4330, dr[0.614,0.346], df[0.755,0.017], g[0.871,0.028]
1/1 [=====] - 0s 109ms/step
>4331, dr[0.639,0.346], df[0.655,0.025], g[0.876,0.035]
1/1 [=====] - 0s 107ms/step
>4332, dr[0.686,0.425], df[0.649,0.019], g[0.941,0.070]
1/1 [=====] - 0s 129ms/step
>4333, dr[0.706,0.591], df[0.593,0.028], g[0.869,0.035]
1/1 [=====] - 0s 110ms/step
>4334, dr[0.672,0.636], df[0.663,0.020], g[0.915,0.055]
1/1 [=====] - 0s 109ms/step
>4335, dr[0.676,0.650], df[0.636,0.028], g[0.908,0.054]
1/1 [=====] - 0s 136ms/step
>4336, dr[0.626,0.278], df[0.637,0.057], g[0.887,0.040]
1/1 [=====] - 0s 111ms/step
>4337, dr[0.639,0.258], df[0.699,0.061], g[0.873,0.044]
1/1 [=====] - 0s 111ms/step
>4338, dr[0.670,0.515], df[0.728,0.026], g[0.874,0.054]
1/1 [=====] - 0s 114ms/step
>4339, dr[0.597,0.511], df[0.680,0.061], g[0.879,0.036]
1/1 [=====] - 0s 125ms/step
>4340, dr[0.723,0.356], df[0.634,0.055], g[0.780,0.022]
1/1 [=====] - 0s 107ms/step
>4341, dr[0.671,0.553], df[0.586,0.042], g[0.841,0.047]
1/1 [=====] - 0s 129ms/step
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>4342, dr[0.582,0.180], df[0.688,0.073], g[0.919,0.035]
1/1 [=====] - 0s 114ms/step
>4343, dr[0.657,0.364], df[0.717,0.052], g[0.868,0.031]
1/1 [=====] - 0s 107ms/step
>4344, dr[0.685,0.280], df[0.714,0.024], g[0.859,0.037]
1/1 [=====] - 0s 116ms/step
>4345, dr[0.729,0.267], df[0.691,0.020], g[0.824,0.031]
1/1 [=====] - 0s 110ms/step
>4346, dr[0.583,0.347], df[0.683,0.015], g[0.910,0.060]
1/1 [=====] - 0s 112ms/step
>4347, dr[0.660,0.652], df[0.581,0.032], g[0.961,0.027]
1/1 [=====] - 0s 124ms/step
>4348, dr[0.686,0.496], df[0.771,0.058], g[0.987,0.057]
1/1 [=====] - 0s 107ms/step
>4349, dr[0.611,0.449], df[0.688,0.058], g[0.938,0.041]
1/1 [=====] - 0s 111ms/step
>4350, dr[0.773,0.430], df[0.677,0.016], g[0.851,0.030]
1/1 [=====] - 0s 117ms/step
>4351, dr[0.612,0.286], df[0.699,0.045], g[0.925,0.056]
1/1 [=====] - 0s 108ms/step
>4352, dr[0.690,0.295], df[0.561,0.030], g[0.980,0.044]
1/1 [=====] - 0s 110ms/step
>4353, dr[0.744,0.352], df[0.760,0.033], g[0.838,0.040]
1/1 [=====] - 0s 125ms/step
>4354, dr[0.665,0.893], df[0.673,0.020], g[0.899,0.026]
1/1 [=====] - 0s 112ms/step
>4355, dr[0.662,0.512], df[0.641,0.030], g[0.882,0.072]
1/1 [=====] - 0s 109ms/step
>4356, dr[0.676,0.427], df[0.733,0.035], g[0.930,0.063]
1/1 [=====] - 0s 123ms/step
>4357, dr[0.643,0.182], df[0.667,0.030], g[0.819,0.023]
1/1 [=====] - 0s 109ms/step
>4358, dr[0.612,0.362], df[0.733,0.015], g[0.859,0.059]
1/1 [=====] - 0s 116ms/step
>4359, dr[0.658,0.359], df[0.652,0.030], g[0.937,0.037]
1/1 [=====] - 0s 114ms/step
>4360, dr[0.677,0.651], df[0.655,0.035], g[0.841,0.058]
1/1 [=====] - 0s 115ms/step
>4361, dr[0.641,0.449], df[0.652,0.019], g[0.777,0.034]
1/1 [=====] - 0s 110ms/step
>4362, dr[0.617,0.710], df[0.695,0.095], g[0.871,0.041]
1/1 [=====] - 0s 122ms/step
>4363, dr[0.739,0.653], df[0.757,0.056], g[0.890,0.020]
1/1 [=====] - 0s 123ms/step
>4364, dr[0.609,0.510], df[0.663,0.057], g[0.852,0.043]
1/1 [=====] - 0s 107ms/step
>4365, dr[0.775,0.612], df[0.604,0.025], g[0.848,0.034]
1/1 [=====] - 0s 115ms/step
>4366, dr[0.701,0.292], df[0.652,0.030], g[0.779,0.038]
1/1 [=====] - 0s 109ms/step
>4367, dr[0.664,0.860], df[0.658,0.026], g[0.725,0.124]
1/1 [=====] - 0s 112ms/step
>4368, dr[0.663,0.284], df[0.665,0.034], g[0.833,0.093]
1/1 [=====] - 0s 118ms/step
>4369, dr[0.695,0.416], df[0.608,0.062], g[0.736,0.042]
1/1 [=====] - 0s 110ms/step
>4370, dr[0.632,0.759], df[0.669,0.030], g[0.807,0.035]
1/1 [=====] - 0s 110ms/step
>4371, dr[0.634,0.325], df[0.717,0.036], g[0.810,0.075]
1/1 [=====] - 0s 117ms/step
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>4372, dr[0.621,0.283], df[0.634,0.042], g[0.946,0.032]
1/1 [=====] - 0s 109ms/step
>4373, dr[0.655,0.426], df[0.606,0.027], g[0.901,0.032]
1/1 [=====] - 0s 108ms/step
>4374, dr[0.654,0.221], df[0.628,0.024], g[0.799,0.053]
1/1 [=====] - 0s 127ms/step
>4375, dr[0.533,0.444], df[0.765,0.028], g[0.908,0.044]
1/1 [=====] - 0s 111ms/step
>4376, dr[0.613,0.493], df[0.651,0.033], g[0.853,0.028]
1/1 [=====] - 0s 107ms/step
>4377, dr[0.696,0.394], df[0.567,0.018], g[0.931,0.028]
1/1 [=====] - 0s 123ms/step
>4378, dr[0.721,0.477], df[0.785,0.067], g[0.840,0.023]
1/1 [=====] - 0s 111ms/step
>4379, dr[0.679,0.871], df[0.657,0.020], g[0.933,0.042]
1/1 [=====] - 0s 106ms/step
>4380, dr[0.606,0.208], df[0.736,0.044], g[0.843,0.025]
1/1 [=====] - 0s 113ms/step
>4381, dr[0.659,0.850], df[0.638,0.026], g[0.858,0.028]
1/1 [=====] - 0s 114ms/step
>4382, dr[0.552,0.275], df[0.678,0.029], g[0.924,0.047]
1/1 [=====] - 0s 108ms/step
>4383, dr[0.638,0.451], df[0.738,0.039], g[0.929,0.025]
1/1 [=====] - 0s 114ms/step
>4384, dr[0.679,0.359], df[0.705,0.031], g[0.811,0.023]
1/1 [=====] - 0s 124ms/step
>4385, dr[0.609,0.559], df[0.632,0.018], g[0.915,0.033]
1/1 [=====] - 0s 109ms/step
>4386, dr[0.605,0.217], df[0.624,0.033], g[1.009,0.020]
1/1 [=====] - 0s 128ms/step
>4387, dr[0.728,0.467], df[0.700,0.019], g[0.907,0.032]
1/1 [=====] - 0s 143ms/step
>4388, dr[0.647,0.441], df[0.703,0.021], g[0.906,0.023]
1/1 [=====] - 0s 109ms/step
>4389, dr[0.576,0.238], df[0.591,0.030], g[0.911,0.024]
1/1 [=====] - 0s 110ms/step
>4390, dr[0.596,0.611], df[0.723,0.022], g[1.022,0.029]
1/1 [=====] - 0s 127ms/step
>4391, dr[0.754,0.280], df[0.598,0.012], g[0.997,0.053]
1/1 [=====] - 0s 113ms/step
>4392, dr[0.643,0.531], df[0.607,0.017], g[0.975,0.027]
1/1 [=====] - 0s 108ms/step
>4393, dr[0.667,0.483], df[0.638,0.031], g[0.916,0.034]
1/1 [=====] - 0s 119ms/step
>4394, dr[0.675,0.565], df[0.604,0.021], g[0.895,0.032]
1/1 [=====] - 0s 112ms/step
>4395, dr[0.673,0.336], df[0.661,0.057], g[0.935,0.026]
1/1 [=====] - 0s 109ms/step
>4396, dr[0.820,0.497], df[0.713,0.030], g[0.884,0.045]
1/1 [=====] - 0s 114ms/step
>4397, dr[0.620,0.730], df[0.702,0.026], g[0.883,0.026]
1/1 [=====] - 0s 116ms/step
>4398, dr[0.626,0.365], df[0.694,0.019], g[1.011,0.028]
1/1 [=====] - 0s 109ms/step
>4399, dr[0.720,0.613], df[0.641,0.030], g[0.871,0.039]
1/1 [=====] - 0s 119ms/step
>4400, dr[0.637,0.254], df[0.691,0.023], g[0.860,0.027]
1/1 [=====] - 0s 110ms/step
>4401, dr[0.647,0.496], df[0.748,0.019], g[0.794,0.052]
1/1 [=====] - 0s 114ms/step
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>4402, dr[0.634,0.460], df[0.678,0.040], g[0.902,0.023]
1/1 [=====] - 0s 124ms/step
>4403, dr[0.705,0.552], df[0.812,0.035], g[0.851,0.024]
1/1 [=====] - 0s 110ms/step
>4404, dr[0.723,0.628], df[0.747,0.016], g[0.870,0.042]
1/1 [=====] - 0s 111ms/step
>4405, dr[0.598,0.486], df[0.615,0.017], g[0.935,0.066]
1/1 [=====] - 0s 136ms/step
>4406, dr[0.694,0.499], df[0.705,0.032], g[0.804,0.043]
1/1 [=====] - 0s 108ms/step
>4407, dr[0.694,0.349], df[0.605,0.036], g[0.847,0.044]
1/1 [=====] - 0s 110ms/step
>4408, dr[0.602,0.431], df[0.660,0.023], g[0.936,0.028]
1/1 [=====] - 0s 128ms/step
>4409, dr[0.707,0.442], df[0.678,0.043], g[0.951,0.041]
1/1 [=====] - 0s 110ms/step
>4410, dr[0.657,0.417], df[0.688,0.045], g[1.010,0.040]
1/1 [=====] - 0s 109ms/step
>4411, dr[0.691,0.481], df[0.722,0.021], g[0.907,0.022]
1/1 [=====] - 0s 123ms/step
>4412, dr[0.654,0.789], df[0.778,0.024], g[1.033,0.026]
1/1 [=====] - 0s 112ms/step
>4413, dr[0.595,0.348], df[0.609,0.018], g[0.980,0.022]
1/1 [=====] - 0s 111ms/step
>4414, dr[0.824,0.894], df[0.619,0.034], g[0.872,0.037]
1/1 [=====] - 0s 117ms/step
>4415, dr[0.604,0.417], df[0.692,0.039], g[0.907,0.062]
1/1 [=====] - 0s 113ms/step
>4416, dr[0.751,0.541], df[0.716,0.027], g[0.925,0.019]
1/1 [=====] - 0s 121ms/step
>4417, dr[0.652,0.768], df[0.703,0.027], g[1.083,0.042]
1/1 [=====] - 0s 115ms/step
>4418, dr[0.667,0.498], df[0.824,0.033], g[0.952,0.150]
1/1 [=====] - 0s 145ms/step
>4419, dr[0.716,0.326], df[0.710,0.044], g[0.907,0.027]
1/1 [=====] - 0s 115ms/step
>4420, dr[0.671,0.346], df[0.623,0.032], g[0.962,0.031]
1/1 [=====] - 0s 134ms/step
>4421, dr[0.691,0.702], df[0.696,0.015], g[0.958,0.020]
1/1 [=====] - 0s 117ms/step
>4422, dr[0.698,0.384], df[0.653,0.023], g[0.849,0.097]
1/1 [=====] - 0s 144ms/step
>4423, dr[0.599,0.461], df[0.657,0.029], g[0.867,0.029]
1/1 [=====] - 0s 128ms/step
>4424, dr[0.693,0.367], df[0.615,0.039], g[0.938,0.048]
1/1 [=====] - 0s 110ms/step
>4425, dr[0.648,0.419], df[0.575,0.043], g[0.888,0.035]
1/1 [=====] - 0s 116ms/step
>4426, dr[0.721,0.409], df[0.698,0.058], g[0.888,0.033]
1/1 [=====] - 0s 144ms/step
>4427, dr[0.663,0.680], df[0.709,0.040], g[0.943,0.024]
1/1 [=====] - 0s 229ms/step
>4428, dr[0.665,0.286], df[0.686,0.041], g[0.817,0.068]
1/1 [=====] - 0s 153ms/step
>4429, dr[0.675,0.287], df[0.680,0.017], g[0.902,0.049]
1/1 [=====] - 0s 113ms/step
>4430, dr[0.659,0.584], df[0.675,0.047], g[0.966,0.025]
1/1 [=====] - 0s 126ms/step
>4431, dr[0.620,0.520], df[0.693,0.020], g[0.926,0.022]
1/1 [=====] - 0s 116ms/step
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>4432, dr[0.678,0.508], df[0.626,0.051], g[0.873,0.048]
1/1 [=====] - 0s 119ms/step
>4433, dr[0.670,0.458], df[0.712,0.032], g[0.952,0.019]
1/1 [=====] - 0s 112ms/step
>4434, dr[0.595,0.377], df[0.657,0.034], g[0.814,0.060]
1/1 [=====] - 0s 119ms/step
>4435, dr[0.624,0.788], df[0.686,0.025], g[0.906,0.034]
1/1 [=====] - 0s 122ms/step
>4436, dr[0.606,0.725], df[0.595,0.034], g[0.906,0.027]
1/1 [=====] - 0s 119ms/step
>4437, dr[0.648,0.659], df[0.693,0.031], g[0.920,0.032]
1/1 [=====] - 0s 116ms/step
>4438, dr[0.725,0.181], df[0.641,0.047], g[0.927,0.036]
1/1 [=====] - 0s 126ms/step
>4439, dr[0.628,0.380], df[0.787,0.052], g[0.878,0.024]
1/1 [=====] - 0s 118ms/step
>4440, dr[0.533,0.434], df[0.660,0.041], g[0.937,0.023]
1/1 [=====] - 0s 109ms/step
>4441, dr[0.799,0.550], df[0.672,0.025], g[0.865,0.049]
1/1 [=====] - 0s 126ms/step
>4442, dr[0.740,0.401], df[0.756,0.044], g[0.828,0.072]
1/1 [=====] - 0s 110ms/step
>4443, dr[0.639,0.474], df[0.630,0.036], g[0.895,0.055]
1/1 [=====] - 0s 119ms/step
>4444, dr[0.608,0.359], df[0.702,0.032], g[0.908,0.043]
1/1 [=====] - 0s 129ms/step
>4445, dr[0.617,0.464], df[0.587,0.037], g[0.917,0.032]
1/1 [=====] - 0s 114ms/step
>4446, dr[0.581,0.597], df[0.667,0.059], g[1.007,0.078]
1/1 [=====] - 0s 109ms/step
>4447, dr[0.718,0.375], df[0.620,0.025], g[0.884,0.016]
1/1 [=====] - 0s 129ms/step
>4448, dr[0.545,0.329], df[0.744,0.049], g[0.853,0.045]
1/1 [=====] - 0s 114ms/step
>4449, dr[0.553,0.589], df[0.617,0.026], g[0.946,0.026]
1/1 [=====] - 0s 112ms/step
>4450, dr[0.644,0.595], df[0.719,0.068], g[0.868,0.031]
1/1 [=====] - 0s 123ms/step
>4451, dr[0.594,0.413], df[0.653,0.023], g[0.978,0.022]
1/1 [=====] - 0s 120ms/step
>4452, dr[0.660,0.616], df[0.567,0.050], g[1.005,0.060]
1/1 [=====] - 0s 114ms/step
>4453, dr[0.789,0.618], df[0.661,0.039], g[1.004,0.033]
1/1 [=====] - 0s 122ms/step
>4454, dr[0.632,0.416], df[0.551,0.047], g[0.968,0.050]
1/1 [=====] - 0s 124ms/step
>4455, dr[0.706,0.575], df[0.738,0.057], g[0.889,0.037]
1/1 [=====] - 0s 110ms/step
>4456, dr[0.591,0.266], df[0.633,0.013], g[0.878,0.038]
1/1 [=====] - 0s 112ms/step
>4457, dr[0.777,0.529], df[0.594,0.050], g[0.803,0.045]
1/1 [=====] - 0s 113ms/step
>4458, dr[0.634,0.492], df[0.696,0.036], g[0.858,0.032]
1/1 [=====] - 0s 115ms/step
>4459, dr[0.669,0.723], df[0.691,0.049], g[0.762,0.059]
1/1 [=====] - 0s 120ms/step
>4460, dr[0.556,0.213], df[0.646,0.046], g[0.868,0.082]
1/1 [=====] - 0s 111ms/step
>4461, dr[0.668,0.397], df[0.612,0.014], g[0.869,0.051]
1/1 [=====] - 0s 114ms/step
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>4462, dr[0.565,0.393], df[0.645,0.054], g[0.875,0.026]
1/1 [=====] - 0s 118ms/step
>4463, dr[0.608,0.338], df[0.732,0.160], g[0.883,0.025]
1/1 [=====] - 0s 110ms/step
>4464, dr[0.641,0.450], df[0.729,0.031], g[0.909,0.074]
1/1 [=====] - 0s 112ms/step
>4465, dr[0.642,0.325], df[0.668,0.032], g[0.866,0.055]
1/1 [=====] - 0s 126ms/step
>4466, dr[0.649,0.219], df[0.672,0.021], g[0.962,0.033]
1/1 [=====] - 0s 111ms/step
>4467, dr[0.797,1.030], df[0.663,0.029], g[0.938,0.042]
1/1 [=====] - 0s 116ms/step
>4468, dr[0.687,0.419], df[0.740,0.091], g[0.914,0.036]
1/1 [=====] - 0s 119ms/step
>4469, dr[0.764,1.004], df[0.728,0.043], g[1.026,0.034]
1/1 [=====] - 0s 159ms/step
>4470, dr[0.633,0.178], df[0.760,0.035], g[0.962,0.041]
1/1 [=====] - 0s 118ms/step
>4471, dr[0.784,0.472], df[0.715,0.025], g[0.898,0.031]
1/1 [=====] - 0s 111ms/step
>4472, dr[0.674,0.458], df[0.711,0.035], g[1.045,0.019]
1/1 [=====] - 0s 118ms/step
>4473, dr[0.723,0.273], df[0.583,0.046], g[0.929,0.039]
1/1 [=====] - 0s 118ms/step
>4474, dr[0.684,0.295], df[0.701,0.031], g[0.841,0.031]
1/1 [=====] - 0s 112ms/step
>4475, dr[0.701,0.504], df[0.675,0.030], g[0.943,0.033]
1/1 [=====] - 0s 119ms/step
>4476, dr[0.651,0.620], df[0.841,0.142], g[0.893,0.038]
1/1 [=====] - 0s 116ms/step
>4477, dr[0.614,0.269], df[0.714,0.038], g[0.848,0.045]
1/1 [=====] - 0s 122ms/step
>4478, dr[0.740,0.247], df[0.697,0.024], g[0.805,0.023]
1/1 [=====] - 0s 120ms/step
>4479, dr[0.622,0.557], df[0.744,0.023], g[0.941,0.024]
1/1 [=====] - 0s 114ms/step
>4480, dr[0.647,0.600], df[0.601,0.037], g[0.875,0.058]
1/1 [=====] - 0s 126ms/step
>4481, dr[0.712,0.445], df[0.688,0.046], g[0.935,0.036]
1/1 [=====] - 0s 141ms/step
>4482, dr[0.720,0.349], df[0.662,0.016], g[0.816,0.038]
1/1 [=====] - 0s 144ms/step
>4483, dr[0.696,0.457], df[0.719,0.029], g[0.886,0.025]
1/1 [=====] - 0s 183ms/step
>4484, dr[0.702,0.201], df[0.572,0.024], g[0.805,0.029]
1/1 [=====] - 0s 178ms/step
>4485, dr[0.568,0.886], df[0.696,0.019], g[0.908,0.051]
1/1 [=====] - 0s 172ms/step
>4486, dr[0.685,0.403], df[0.669,0.036], g[0.982,0.032]
1/1 [=====] - 0s 172ms/step
>4487, dr[0.717,0.696], df[0.679,0.029], g[0.894,0.030]
1/1 [=====] - 0s 151ms/step
>4488, dr[0.809,0.704], df[0.707,0.036], g[0.923,0.021]
1/1 [=====] - 0s 140ms/step
>4489, dr[0.776,0.629], df[0.756,0.031], g[0.823,0.041]
1/1 [=====] - 0s 150ms/step
>4490, dr[0.656,0.746], df[0.634,0.063], g[0.864,0.026]
1/1 [=====] - 0s 130ms/step
>4491, dr[0.671,0.254], df[0.773,0.054], g[0.799,0.018]
1/1 [=====] - 0s 153ms/step
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>4492, dr[0.636,0.250], df[0.737,0.117], g[0.837,0.020]
1/1 [=====] - 0s 125ms/step
>4493, dr[0.701,0.536], df[0.670,0.015], g[0.917,0.048]
1/1 [=====] - 0s 132ms/step
>4494, dr[0.748,0.483], df[0.658,0.026], g[0.875,0.040]
1/1 [=====] - 0s 116ms/step
>4495, dr[0.763,0.931], df[0.813,0.023], g[0.872,0.043]
1/1 [=====] - 0s 122ms/step
>4496, dr[0.731,0.310], df[0.649,0.032], g[0.798,0.035]
1/1 [=====] - 0s 171ms/step
>4497, dr[0.599,0.654], df[0.675,0.033], g[0.848,0.022]
1/1 [=====] - 0s 195ms/step
>4498, dr[0.570,0.541], df[0.735,0.036], g[0.880,0.024]
1/1 [=====] - 0s 166ms/step
>4499, dr[0.664,0.415], df[0.626,0.025], g[0.820,0.022]
1/1 [=====] - 0s 255ms/step
>4500, dr[0.636,0.289], df[0.702,0.043], g[0.844,0.022]
1/1 [=====] - 0s 248ms/step
>4501, dr[0.587,0.309], df[0.612,0.011], g[0.864,0.053]
1/1 [=====] - 0s 250ms/step
>4502, dr[0.644,0.945], df[0.735,0.051], g[0.896,0.037]
1/1 [=====] - 0s 136ms/step
>4503, dr[0.553,0.808], df[0.579,0.022], g[0.872,0.033]
1/1 [=====] - 0s 171ms/step
>4504, dr[0.647,0.427], df[0.588,0.051], g[0.932,0.028]
1/1 [=====] - 0s 184ms/step
>4505, dr[0.638,0.326], df[0.740,0.020], g[0.935,0.043]
1/1 [=====] - 0s 156ms/step
>4506, dr[0.747,0.210], df[0.641,0.018], g[0.888,0.026]
1/1 [=====] - 0s 129ms/step
>4507, dr[0.679,0.605], df[0.579,0.019], g[0.933,0.018]
1/1 [=====] - 0s 150ms/step
>4508, dr[0.763,0.563], df[0.614,0.022], g[0.858,0.035]
1/1 [=====] - 0s 126ms/step
>4509, dr[0.699,0.489], df[0.719,0.025], g[0.876,0.025]
1/1 [=====] - 0s 259ms/step
>4510, dr[0.601,0.305], df[0.584,0.024], g[0.840,0.034]
1/1 [=====] - 0s 162ms/step
>4511, dr[0.556,0.440], df[0.738,0.056], g[0.889,0.038]
1/1 [=====] - 0s 110ms/step
>4512, dr[0.688,0.289], df[0.723,0.040], g[0.984,0.048]
1/1 [=====] - 0s 113ms/step
>4513, dr[0.614,0.746], df[0.642,0.029], g[0.967,0.037]
1/1 [=====] - 0s 131ms/step
>4514, dr[0.671,0.467], df[0.642,0.022], g[0.961,0.038]
1/1 [=====] - 0s 127ms/step
>4515, dr[0.615,0.713], df[0.641,0.044], g[0.901,0.026]
1/1 [=====] - 0s 121ms/step
>4516, dr[0.734,0.400], df[0.621,0.042], g[0.871,0.035]
1/1 [=====] - 0s 126ms/step
>4517, dr[0.649,0.412], df[0.701,0.038], g[0.788,0.033]
1/1 [=====] - 0s 117ms/step
>4518, dr[0.631,0.277], df[0.748,0.037], g[0.899,0.025]
1/1 [=====] - 0s 152ms/step
>4519, dr[0.655,0.871], df[0.658,0.027], g[0.903,0.065]
1/1 [=====] - 0s 127ms/step
>4520, dr[0.596,0.405], df[0.618,0.076], g[0.904,0.023]
1/1 [=====] - 0s 138ms/step
>4521, dr[0.662,0.372], df[0.732,0.046], g[0.883,0.027]
1/1 [=====] - 0s 121ms/step
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>4522, dr[0.681,0.678], df[0.721,0.029], g[0.997,0.023]
1/1 [=====] - 0s 125ms/step
>4523, dr[0.612,0.747], df[0.571,0.028], g[0.861,0.017]
1/1 [=====] - 0s 129ms/step
>4524, dr[0.618,0.592], df[0.603,0.028], g[0.878,0.053]
1/1 [=====] - 0s 143ms/step
>4525, dr[0.599,0.548], df[0.613,0.022], g[0.859,0.022]
1/1 [=====] - 0s 127ms/step
>4526, dr[0.551,0.305], df[0.685,0.028], g[0.889,0.034]
1/1 [=====] - 0s 125ms/step
>4527, dr[0.634,0.477], df[0.547,0.014], g[0.821,0.029]
1/1 [=====] - 0s 123ms/step
>4528, dr[0.604,0.664], df[0.655,0.025], g[0.894,0.039]
1/1 [=====] - 0s 143ms/step
>4529, dr[0.672,0.442], df[0.669,0.060], g[0.844,0.033]
1/1 [=====] - 0s 123ms/step
>4530, dr[0.563,0.498], df[0.569,0.021], g[0.920,0.023]
1/1 [=====] - 0s 122ms/step
>4531, dr[0.684,0.488], df[0.714,0.031], g[0.943,0.024]
1/1 [=====] - 0s 122ms/step
>4532, dr[0.647,0.219], df[0.701,0.045], g[0.905,0.016]
1/1 [=====] - 0s 126ms/step
>4533, dr[0.647,0.535], df[0.639,0.043], g[0.790,0.037]
1/1 [=====] - 0s 123ms/step
>4534, dr[0.716,0.424], df[0.565,0.039], g[0.786,0.028]
1/1 [=====] - 0s 119ms/step
>4535, dr[0.661,0.862], df[0.738,0.054], g[0.921,0.039]
1/1 [=====] - 0s 136ms/step
>4536, dr[0.615,0.563], df[0.742,0.022], g[0.834,0.036]
1/1 [=====] - 0s 131ms/step
>4537, dr[0.691,0.548], df[0.607,0.034], g[0.874,0.027]
1/1 [=====] - 0s 133ms/step
>4538, dr[0.705,0.372], df[0.676,0.023], g[0.849,0.034]
1/1 [=====] - 0s 121ms/step
>4539, dr[0.680,0.474], df[0.776,0.038], g[0.866,0.023]
1/1 [=====] - 0s 129ms/step
>4540, dr[0.648,0.379], df[0.731,0.022], g[0.850,0.052]
1/1 [=====] - 0s 117ms/step
>4541, dr[0.641,0.569], df[0.698,0.028], g[0.952,0.023]
1/1 [=====] - 0s 112ms/step
>4542, dr[0.686,0.332], df[0.566,0.026], g[0.924,0.081]
1/1 [=====] - 0s 122ms/step
>4543, dr[0.639,0.237], df[0.773,0.043], g[0.853,0.026]
1/1 [=====] - 0s 148ms/step
>4544, dr[0.643,1.124], df[0.689,0.014], g[0.855,0.038]
1/1 [=====] - 0s 109ms/step
>4545, dr[0.609,0.377], df[0.647,0.021], g[0.927,0.046]
1/1 [=====] - 0s 125ms/step
>4546, dr[0.672,0.551], df[0.644,0.012], g[0.908,0.030]
1/1 [=====] - 0s 128ms/step
>4547, dr[0.652,0.342], df[0.637,0.032], g[0.878,0.035]
1/1 [=====] - 0s 146ms/step
>4548, dr[0.741,0.416], df[0.672,0.017], g[0.873,0.033]
1/1 [=====] - 0s 118ms/step
>4549, dr[0.660,0.518], df[0.725,0.039], g[0.863,0.027]
1/1 [=====] - 0s 125ms/step
>4550, dr[0.622,0.483], df[0.712,0.033], g[0.948,0.032]
1/1 [=====] - 0s 122ms/step
>4551, dr[0.732,0.225], df[0.638,0.027], g[0.874,0.027]
1/1 [=====] - 0s 113ms/step
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>4552, dr[0.696,0.374], df[0.707,0.055], g[0.816,0.036]
1/1 [=====] - 0s 118ms/step
>4553, dr[0.611,0.586], df[0.620,0.014], g[0.866,0.026]
1/1 [=====] - 0s 114ms/step
>4554, dr[0.676,0.188], df[0.692,0.024], g[0.888,0.021]
1/1 [=====] - 0s 111ms/step
>4555, dr[0.719,0.368], df[0.727,0.077], g[0.922,0.024]
1/1 [=====] - 0s 119ms/step
>4556, dr[0.708,0.403], df[0.651,0.056], g[0.850,0.020]
1/1 [=====] - 0s 114ms/step
>4557, dr[0.570,0.349], df[0.615,0.027], g[0.821,0.073]
1/1 [=====] - 0s 112ms/step
>4558, dr[0.741,0.660], df[0.707,0.025], g[0.833,0.025]
1/1 [=====] - 0s 119ms/step
>4559, dr[0.639,0.578], df[0.701,0.032], g[0.822,0.106]
1/1 [=====] - 0s 111ms/step
>4560, dr[0.668,0.380], df[0.656,0.025], g[0.918,0.039]
1/1 [=====] - 0s 115ms/step
>4561, dr[0.736,0.516], df[0.642,0.011], g[0.932,0.022]
1/1 [=====] - 0s 125ms/step
>4562, dr[0.603,0.569], df[0.690,0.017], g[0.803,0.014]
1/1 [=====] - 0s 116ms/step
>4563, dr[0.561,0.395], df[0.717,0.027], g[0.773,0.028]
1/1 [=====] - 0s 117ms/step
>4564, dr[0.630,0.370], df[0.819,0.028], g[0.875,0.025]
1/1 [=====] - 0s 120ms/step
>4565, dr[0.739,0.379], df[0.641,0.021], g[0.904,0.025]
1/1 [=====] - 0s 111ms/step
>4566, dr[0.667,0.968], df[0.683,0.041], g[0.915,0.027]
1/1 [=====] - 0s 113ms/step
>4567, dr[0.707,0.422], df[0.742,0.057], g[0.924,0.019]
1/1 [=====] - 0s 118ms/step
>4568, dr[0.655,0.757], df[0.664,0.013], g[0.884,0.023]
1/1 [=====] - 0s 116ms/step
>4569, dr[0.807,0.828], df[0.685,0.042], g[0.895,0.033]
1/1 [=====] - 0s 119ms/step
>4570, dr[0.539,0.227], df[0.605,0.033], g[0.910,0.033]
1/1 [=====] - 0s 126ms/step
>4571, dr[0.712,0.302], df[0.701,0.058], g[0.903,0.029]
1/1 [=====] - 0s 112ms/step
>4572, dr[0.733,0.492], df[0.656,0.028], g[0.945,0.037]
1/1 [=====] - 0s 110ms/step
>4573, dr[0.741,0.781], df[0.673,0.051], g[0.771,0.066]
1/1 [=====] - 0s 119ms/step
>4574, dr[0.614,0.363], df[0.676,0.026], g[0.808,0.025]
1/1 [=====] - 0s 116ms/step
>4575, dr[0.562,0.497], df[0.667,0.025], g[0.800,0.031]
1/1 [=====] - 0s 110ms/step
>4576, dr[0.648,0.521], df[0.723,0.048], g[0.809,0.022]
1/1 [=====] - 0s 120ms/step
>4577, dr[0.694,0.398], df[0.620,0.026], g[0.843,0.032]
1/1 [=====] - 0s 111ms/step
>4578, dr[0.626,0.798], df[0.655,0.040], g[0.756,0.021]
1/1 [=====] - 0s 118ms/step
>4579, dr[0.622,0.900], df[0.671,0.033], g[0.837,0.027]
1/1 [=====] - 0s 131ms/step
>4580, dr[0.746,0.492], df[0.743,0.045], g[0.800,0.041]
1/1 [=====] - 0s 119ms/step
>4581, dr[0.697,0.334], df[0.682,0.036], g[0.886,0.030]
1/1 [=====] - 0s 117ms/step
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>4582, dr[0.683,0.497], df[0.696,0.044], g[0.913,0.017]
1/1 [=====] - 0s 110ms/step
>4583, dr[0.665,0.586], df[0.723,0.055], g[0.874,0.022]
1/1 [=====] - 0s 116ms/step
>4584, dr[0.801,0.237], df[0.686,0.025], g[0.896,0.031]
1/1 [=====] - 0s 114ms/step
>4585, dr[0.731,0.741], df[0.769,0.092], g[0.810,0.024]
1/1 [=====] - 0s 117ms/step
>4586, dr[0.624,0.417], df[0.716,0.025], g[0.934,0.034]
1/1 [=====] - 0s 115ms/step
>4587, dr[0.642,0.600], df[0.751,0.048], g[0.938,0.017]
1/1 [=====] - 0s 128ms/step
>4588, dr[0.669,0.341], df[0.720,0.020], g[0.901,0.021]
1/1 [=====] - 0s 117ms/step
>4589, dr[0.720,0.398], df[0.653,0.026], g[0.893,0.035]
1/1 [=====] - 0s 203ms/step
>4590, dr[0.631,0.401], df[0.711,0.034], g[0.882,0.024]
1/1 [=====] - 0s 145ms/step
>4591, dr[0.707,0.380], df[0.686,0.034], g[0.938,0.032]
1/1 [=====] - 0s 128ms/step
>4592, dr[0.706,0.580], df[0.603,0.037], g[0.895,0.033]
1/1 [=====] - 0s 115ms/step
>4593, dr[0.736,0.389], df[0.628,0.019], g[0.827,0.022]
1/1 [=====] - 0s 124ms/step
>4594, dr[0.665,0.680], df[0.680,0.059], g[0.826,0.024]
1/1 [=====] - 0s 119ms/step
>4595, dr[0.639,0.321], df[0.710,0.060], g[0.850,0.030]
1/1 [=====] - 0s 124ms/step
>4596, dr[0.659,0.537], df[0.691,0.021], g[0.783,0.044]
1/1 [=====] - 0s 111ms/step
>4597, dr[0.599,0.251], df[0.628,0.043], g[0.942,0.029]
1/1 [=====] - 0s 127ms/step
>4598, dr[0.648,0.573], df[0.839,0.028], g[0.853,0.026]
1/1 [=====] - 0s 126ms/step
>4599, dr[0.597,0.224], df[0.721,0.063], g[1.011,0.028]
1/1 [=====] - 0s 120ms/step
>4600, dr[0.728,0.449], df[0.668,0.026], g[0.886,0.033]
1/1 [=====] - 0s 130ms/step
>4601, dr[0.757,0.498], df[0.632,0.019], g[0.859,0.024]
1/1 [=====] - 0s 171ms/step
>4602, dr[0.668,0.354], df[0.693,0.031], g[0.849,0.044]
1/1 [=====] - 0s 163ms/step
>4603, dr[0.632,0.756], df[0.630,0.019], g[0.897,0.020]
1/1 [=====] - 0s 146ms/step
>4604, dr[0.752,0.226], df[0.703,0.030], g[0.805,0.033]
1/1 [=====] - 0s 171ms/step
>4605, dr[0.545,0.420], df[0.793,0.014], g[0.851,0.045]
1/1 [=====] - 0s 121ms/step
>4606, dr[0.732,0.441], df[0.597,0.045], g[0.941,0.027]
1/1 [=====] - 0s 121ms/step
>4607, dr[0.693,0.493], df[0.665,0.020], g[0.911,0.028]
1/1 [=====] - 0s 111ms/step
>4608, dr[0.727,0.660], df[0.618,0.028], g[0.842,0.036]
1/1 [=====] - 0s 112ms/step
>4609, dr[0.661,0.630], df[0.602,0.017], g[0.930,0.031]
1/1 [=====] - 0s 120ms/step
>4610, dr[0.578,0.419], df[0.711,0.024], g[0.856,0.028]
1/1 [=====] - 0s 112ms/step
>4611, dr[0.780,0.482], df[0.664,0.021], g[0.786,0.051]
1/1 [=====] - 0s 115ms/step
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>4612, dr[0.704,0.511], df[0.685,0.029], g[0.855,0.032]
1/1 [=====] - 0s 147ms/step
>4613, dr[0.661,0.589], df[0.670,0.018], g[0.882,0.031]
1/1 [=====] - 0s 146ms/step
>4614, dr[0.710,0.447], df[0.688,0.015], g[0.863,0.046]
1/1 [=====] - 0s 158ms/step
>4615, dr[0.586,0.454], df[0.721,0.033], g[0.829,0.027]
1/1 [=====] - 0s 135ms/step
>4616, dr[0.633,0.680], df[0.741,0.041], g[0.863,0.025]
1/1 [=====] - 0s 128ms/step
>4617, dr[0.727,0.858], df[0.844,0.037], g[0.981,0.021]
1/1 [=====] - 0s 135ms/step
>4618, dr[0.772,0.344], df[0.665,0.018], g[0.905,0.025]
1/1 [=====] - 0s 157ms/step
>4619, dr[0.594,0.302], df[0.562,0.043], g[0.845,0.028]
1/1 [=====] - 0s 145ms/step
>4620, dr[0.648,0.608], df[0.691,0.025], g[0.906,0.040]
1/1 [=====] - 0s 131ms/step
>4621, dr[0.583,0.414], df[0.769,0.045], g[0.894,0.026]
1/1 [=====] - 0s 126ms/step
>4622, dr[0.652,0.477], df[0.634,0.019], g[0.954,0.028]
1/1 [=====] - 0s 142ms/step
>4623, dr[0.599,0.629], df[0.573,0.025], g[0.851,0.036]
1/1 [=====] - 0s 120ms/step
>4624, dr[0.612,0.521], df[0.700,0.047], g[0.914,0.044]
1/1 [=====] - 0s 125ms/step
>4625, dr[0.678,0.518], df[0.670,0.072], g[0.903,0.026]
1/1 [=====] - 0s 116ms/step
>4626, dr[0.674,0.411], df[0.639,0.064], g[0.874,0.026]
1/1 [=====] - 0s 139ms/step
>4627, dr[0.758,0.513], df[0.683,0.021], g[0.895,0.036]
1/1 [=====] - 0s 115ms/step
>4628, dr[0.662,0.412], df[0.647,0.041], g[0.875,0.017]
1/1 [=====] - 0s 113ms/step
>4629, dr[0.657,0.465], df[0.684,0.036], g[0.985,0.041]
1/1 [=====] - 0s 115ms/step
>4630, dr[0.673,0.410], df[0.689,0.056], g[0.868,0.030]
1/1 [=====] - 0s 126ms/step
>4631, dr[0.755,0.402], df[0.655,0.017], g[0.854,0.024]
1/1 [=====] - 0s 126ms/step
>4632, dr[0.636,0.385], df[0.590,0.027], g[0.874,0.018]
1/1 [=====] - 0s 175ms/step
>4633, dr[0.651,0.629], df[0.687,0.020], g[0.952,0.036]
1/1 [=====] - 0s 138ms/step
>4634, dr[0.725,0.561], df[0.810,0.015], g[0.861,0.030]
1/1 [=====] - 0s 120ms/step
>4635, dr[0.665,0.442], df[0.708,0.020], g[0.855,0.031]
1/1 [=====] - 0s 123ms/step
>4636, dr[0.691,0.349], df[0.694,0.051], g[0.899,0.028]
1/1 [=====] - 0s 127ms/step
>4637, dr[0.751,0.581], df[0.662,0.036], g[0.882,0.031]
1/1 [=====] - 0s 139ms/step
>4638, dr[0.636,0.251], df[0.711,0.030], g[0.868,0.030]
1/1 [=====] - 0s 132ms/step
>4639, dr[0.582,0.397], df[0.617,0.027], g[0.874,0.054]
1/1 [=====] - 0s 125ms/step
>4640, dr[0.709,0.703], df[0.646,0.024], g[0.823,0.016]
1/1 [=====] - 0s 131ms/step
>4641, dr[0.755,0.739], df[0.631,0.029], g[0.882,0.038]
1/1 [=====] - 0s 125ms/step
```

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>4642, dr[0.635,0.652], df[0.639,0.043], g[0.835,0.032]
1/1 [=====] - 0s 128ms/step
>4643, dr[0.686,0.175], df[0.653,0.040], g[0.801,0.033]
1/1 [=====] - 0s 126ms/step
>4644, dr[0.622,0.445], df[0.766,0.045], g[0.893,0.020]
1/1 [=====] - 0s 125ms/step
>4645, dr[0.644,0.244], df[0.590,0.029], g[0.738,0.054]
1/1 [=====] - 0s 134ms/step
>4646, dr[0.704,0.344], df[0.657,0.015], g[0.780,0.027]
1/1 [=====] - 0s 160ms/step
>4647, dr[0.654,0.551], df[0.795,0.037], g[0.867,0.029]
1/1 [=====] - 0s 123ms/step
>4648, dr[0.644,0.371], df[0.690,0.059], g[0.898,0.014]
1/1 [=====] - 0s 120ms/step
>4649, dr[0.594,0.509], df[0.677,0.019], g[0.901,0.037]
1/1 [=====] - 0s 124ms/step
>4650, dr[0.743,0.367], df[0.813,0.021], g[0.930,0.027]
1/1 [=====] - 0s 122ms/step
>4651, dr[0.648,0.459], df[0.625,0.029], g[0.923,0.020]
1/1 [=====] - 0s 129ms/step
>4652, dr[0.628,0.684], df[0.555,0.051], g[0.915,0.043]
1/1 [=====] - 0s 117ms/step
>4653, dr[0.682,0.144], df[0.573,0.018], g[0.858,0.041]
1/1 [=====] - 0s 128ms/step
>4654, dr[0.718,0.549], df[0.688,0.050], g[0.928,0.035]
1/1 [=====] - 0s 112ms/step
>4655, dr[0.747,0.690], df[0.677,0.054], g[0.858,0.039]
1/1 [=====] - 0s 118ms/step
>4656, dr[0.701,0.485], df[0.709,0.088], g[0.844,0.037]
1/1 [=====] - 0s 124ms/step
>4657, dr[0.684,0.220], df[0.596,0.014], g[0.818,0.036]
1/1 [=====] - 0s 115ms/step
>4658, dr[0.647,0.664], df[0.759,0.032], g[0.912,0.026]
1/1 [=====] - 0s 138ms/step
>4659, dr[0.659,0.346], df[0.696,0.022], g[0.852,0.048]
1/1 [=====] - 0s 122ms/step
>4660, dr[0.690,0.386], df[0.698,0.023], g[0.841,0.036]
1/1 [=====] - 0s 112ms/step
>4661, dr[0.667,0.415], df[0.651,0.020], g[0.899,0.020]
1/1 [=====] - 0s 113ms/step
>4662, dr[0.610,0.329], df[0.756,0.012], g[0.902,0.026]
1/1 [=====] - 0s 119ms/step
>4663, dr[0.578,0.315], df[0.513,0.023], g[0.880,0.029]
1/1 [=====] - 0s 115ms/step
>4664, dr[0.655,0.619], df[0.628,0.040], g[0.852,0.028]
1/1 [=====] - 0s 111ms/step
>4665, dr[0.711,0.417], df[0.631,0.051], g[0.877,0.026]
1/1 [=====] - 0s 125ms/step
>4666, dr[0.734,0.355], df[0.646,0.063], g[0.815,0.055]
1/1 [=====] - 0s 114ms/step
>4667, dr[0.601,0.630], df[0.611,0.041], g[0.872,0.024]
1/1 [=====] - 0s 113ms/step
>4668, dr[0.636,0.574], df[0.615,0.027], g[0.876,0.026]
1/1 [=====] - 0s 124ms/step
>4669, dr[0.675,0.649], df[0.655,0.018], g[0.805,0.056]
1/1 [=====] - 0s 118ms/step
>4670, dr[0.646,0.654], df[0.717,0.012], g[0.738,0.042]
1/1 [=====] - 0s 113ms/step
>4671, dr[0.573,0.317], df[0.841,0.026], g[0.876,0.024]
1/1 [=====] - 0s 128ms/step
```

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>4672, dr[0.556,0.293], df[0.788,0.022], g[0.824,0.036]
1/1 [=====] - 0s 138ms/step
>4673, dr[0.579,0.386], df[0.689,0.026], g[0.903,0.030]
1/1 [=====] - 0s 114ms/step
>4674, dr[0.744,0.543], df[0.599,0.021], g[0.973,0.031]
1/1 [=====] - 0s 128ms/step
>4675, dr[0.733,0.454], df[0.692,0.033], g[0.902,0.033]
1/1 [=====] - 0s 141ms/step
>4676, dr[0.634,0.714], df[0.607,0.027], g[0.951,0.016]
1/1 [=====] - 0s 125ms/step
>4677, dr[0.651,0.572], df[0.544,0.042], g[0.864,0.025]
1/1 [=====] - 0s 114ms/step
>4678, dr[0.703,0.333], df[0.584,0.025], g[0.859,0.028]
1/1 [=====] - 0s 113ms/step
>4679, dr[0.581,0.484], df[0.590,0.020], g[0.850,0.021]
1/1 [=====] - 0s 120ms/step
>4680, dr[0.615,0.393], df[0.779,0.027], g[0.884,0.013]
1/1 [=====] - 0s 114ms/step
>4681, dr[0.846,0.545], df[0.669,0.027], g[0.911,0.036]
1/1 [=====] - 0s 117ms/step
>4682, dr[0.679,0.949], df[0.840,0.023], g[0.770,0.034]
1/1 [=====] - 0s 124ms/step
>4683, dr[0.658,0.381], df[0.637,0.060], g[0.824,0.021]
1/1 [=====] - 0s 118ms/step
>4684, dr[0.602,0.301], df[0.603,0.049], g[0.742,0.048]
1/1 [=====] - 0s 117ms/step
>4685, dr[0.611,0.334], df[0.727,0.032], g[0.742,0.044]
4/4 [=====] - 0s 71ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_4685.png and model_4685.h5
1/1 [=====] - 0s 121ms/step
>4686, dr[0.574,0.357], df[0.720,0.037], g[0.765,0.034]
1/1 [=====] - 0s 139ms/step
>4687, dr[0.666,0.439], df[0.746,0.079], g[0.842,0.025]
1/1 [=====] - 0s 136ms/step
>4688, dr[0.713,0.795], df[0.634,0.062], g[0.783,0.016]
1/1 [=====] - 0s 129ms/step
>4689, dr[0.648,0.324], df[0.712,0.023], g[0.945,0.021]
1/1 [=====] - 0s 129ms/step
>4690, dr[0.722,0.612], df[0.714,0.023], g[0.919,0.044]
1/1 [=====] - 0s 132ms/step
>4691, dr[0.666,0.773], df[0.727,0.028], g[0.854,0.064]
1/1 [=====] - 0s 138ms/step
>4692, dr[0.650,0.229], df[0.686,0.062], g[0.916,0.040]
1/1 [=====] - 0s 116ms/step
>4693, dr[0.739,0.202], df[0.749,0.017], g[0.857,0.044]
1/1 [=====] - 0s 120ms/step
>4694, dr[0.704,0.584], df[0.707,0.044], g[0.923,0.049]
1/1 [=====] - 0s 120ms/step
>4695, dr[0.634,0.275], df[0.682,0.014], g[0.839,0.017]
1/1 [=====] - 0s 147ms/step
>4696, dr[0.596,0.444], df[0.689,0.018], g[0.935,0.019]
1/1 [=====] - 0s 116ms/step
>4697, dr[0.799,0.888], df[0.604,0.025], g[0.861,0.020]
1/1 [=====] - 0s 121ms/step
>4698, dr[0.701,0.554], df[0.740,0.028], g[0.988,0.020]
1/1 [=====] - 0s 122ms/step
>4699, dr[0.674,0.393], df[0.645,0.032], g[0.895,0.023]
1/1 [=====] - 0s 118ms/step
```

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>4700, dr[0.572,0.425], df[0.676,0.014], g[0.863,0.030]
1/1 [=====] - 0s 115ms/step
>4701, dr[0.639,0.343], df[0.606,0.027], g[0.984,0.017]
1/1 [=====] - 0s 115ms/step
>4702, dr[0.611,0.406], df[0.645,0.061], g[0.873,0.030]
1/1 [=====] - 0s 125ms/step
>4703, dr[0.679,0.316], df[0.759,0.039], g[0.841,0.049]
1/1 [=====] - 0s 132ms/step
>4704, dr[0.708,0.471], df[0.669,0.032], g[0.865,0.027]
1/1 [=====] - 0s 123ms/step
>4705, dr[0.670,0.352], df[0.669,0.032], g[0.928,0.032]
1/1 [=====] - 0s 119ms/step
>4706, dr[0.662,0.436], df[0.563,0.016], g[0.816,0.056]
1/1 [=====] - 0s 120ms/step
>4707, dr[0.631,0.340], df[0.597,0.023], g[0.849,0.043]
1/1 [=====] - 0s 121ms/step
>4708, dr[0.546,0.262], df[0.705,0.035], g[0.796,0.027]
1/1 [=====] - 0s 117ms/step
>4709, dr[0.802,0.385], df[0.720,0.015], g[0.869,0.048]
1/1 [=====] - 0s 117ms/step
>4710, dr[0.633,0.582], df[0.648,0.020], g[0.799,0.028]
1/1 [=====] - 0s 113ms/step
>4711, dr[0.567,0.325], df[0.651,0.027], g[0.956,0.027]
1/1 [=====] - 0s 119ms/step
>4712, dr[0.602,0.393], df[0.616,0.019], g[0.814,0.026]
1/1 [=====] - 0s 133ms/step
>4713, dr[0.666,0.559], df[0.675,0.040], g[0.855,0.041]
1/1 [=====] - 0s 115ms/step
>4714, dr[0.766,0.552], df[0.639,0.023], g[0.793,0.067]
1/1 [=====] - 0s 116ms/step
>4715, dr[0.603,0.202], df[0.698,0.032], g[0.876,0.044]
1/1 [=====] - 0s 144ms/step
>4716, dr[0.675,1.077], df[0.711,0.022], g[0.846,0.031]
1/1 [=====] - 0s 146ms/step
>4717, dr[0.635,0.525], df[0.724,0.029], g[0.881,0.026]
1/1 [=====] - 0s 127ms/step
>4718, dr[0.672,0.394], df[0.693,0.029], g[0.867,0.084]
1/1 [=====] - 0s 140ms/step
>4719, dr[0.658,0.676], df[0.567,0.021], g[0.874,0.032]
1/1 [=====] - 0s 120ms/step
>4720, dr[0.643,0.369], df[0.684,0.072], g[0.897,0.023]
1/1 [=====] - 0s 116ms/step
>4721, dr[0.646,0.613], df[0.649,0.020], g[0.862,0.026]
1/1 [=====] - 0s 153ms/step
>4722, dr[0.614,0.680], df[0.717,0.025], g[0.882,0.034]
1/1 [=====] - 0s 122ms/step
>4723, dr[0.657,0.513], df[0.656,0.015], g[0.894,0.019]
1/1 [=====] - 0s 116ms/step
>4724, dr[0.666,0.273], df[0.669,0.045], g[0.780,0.028]
1/1 [=====] - 0s 122ms/step
>4725, dr[0.678,0.504], df[0.783,0.036], g[0.863,0.019]
1/1 [=====] - 0s 122ms/step
>4726, dr[0.774,0.380], df[0.648,0.020], g[0.797,0.019]
1/1 [=====] - 0s 124ms/step
>4727, dr[0.613,0.493], df[0.670,0.015], g[0.871,0.019]
1/1 [=====] - 0s 115ms/step
>4728, dr[0.611,0.605], df[0.670,0.020], g[0.831,0.026]
1/1 [=====] - 0s 118ms/step
>4729, dr[0.652,0.453], df[0.614,0.068], g[0.864,0.021]
1/1 [=====] - 0s 113ms/step
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>4730, dr[0.632,0.724], df[0.628,0.022], g[0.858,0.025]
1/1 [=====] - 0s 118ms/step
>4731, dr[0.548,0.450], df[0.630,0.022], g[0.790,0.042]
1/1 [=====] - 0s 126ms/step
>4732, dr[0.698,0.226], df[0.659,0.034], g[0.851,0.029]
1/1 [=====] - 0s 115ms/step
>4733, dr[0.753,0.381], df[0.638,0.038], g[0.848,0.024]
1/1 [=====] - 0s 115ms/step
>4734, dr[0.688,0.562], df[0.749,0.044], g[0.828,0.035]
1/1 [=====] - 0s 123ms/step
>4735, dr[0.677,0.682], df[0.709,0.019], g[0.842,0.050]
1/1 [=====] - 0s 114ms/step
>4736, dr[0.559,0.639], df[0.691,0.035], g[0.821,0.024]
1/1 [=====] - 0s 118ms/step
>4737, dr[0.602,0.630], df[0.640,0.053], g[0.847,0.037]
1/1 [=====] - 0s 125ms/step
>4738, dr[0.631,0.610], df[0.747,0.036], g[0.883,0.029]
1/1 [=====] - 0s 135ms/step
>4739, dr[0.584,0.365], df[0.624,0.031], g[0.855,0.021]
1/1 [=====] - 0s 131ms/step
>4740, dr[0.654,0.544], df[0.716,0.031], g[0.872,0.031]
1/1 [=====] - 0s 114ms/step
>4741, dr[0.722,0.149], df[0.648,0.033], g[0.867,0.036]
1/1 [=====] - 0s 136ms/step
>4742, dr[0.669,0.451], df[0.597,0.014], g[0.897,0.052]
1/1 [=====] - 0s 117ms/step
>4743, dr[0.679,0.526], df[0.622,0.026], g[0.877,0.035]
1/1 [=====] - 0s 115ms/step
>4744, dr[0.650,0.480], df[0.660,0.020], g[0.948,0.025]
1/1 [=====] - 0s 124ms/step
>4745, dr[0.687,0.499], df[0.701,0.022], g[0.868,0.050]
1/1 [=====] - 0s 117ms/step
>4746, dr[0.636,0.373], df[0.575,0.035], g[0.835,0.098]
1/1 [=====] - 0s 127ms/step
>4747, dr[0.715,0.298], df[0.737,0.020], g[0.772,0.022]
1/1 [=====] - 0s 120ms/step
>4748, dr[0.681,0.696], df[0.709,0.072], g[0.828,0.050]
1/1 [=====] - 0s 129ms/step
>4749, dr[0.582,0.327], df[0.617,0.030], g[0.879,0.028]
1/1 [=====] - 0s 123ms/step
>4750, dr[0.595,0.279], df[0.736,0.063], g[0.833,0.034]
1/1 [=====] - 0s 121ms/step
>4751, dr[0.667,0.447], df[0.679,0.025], g[0.835,0.030]
1/1 [=====] - 0s 120ms/step
>4752, dr[0.675,0.377], df[0.674,0.062], g[0.809,0.039]
1/1 [=====] - 0s 114ms/step
>4753, dr[0.725,0.486], df[0.635,0.044], g[0.757,0.035]
1/1 [=====] - 0s 120ms/step
>4754, dr[0.662,0.508], df[0.676,0.019], g[0.867,0.034]
1/1 [=====] - 0s 118ms/step
>4755, dr[0.651,0.596], df[0.745,0.013], g[0.823,0.036]
1/1 [=====] - 0s 118ms/step
>4756, dr[0.657,0.492], df[0.673,0.016], g[0.863,0.039]
1/1 [=====] - 0s 118ms/step
>4757, dr[0.643,0.501], df[0.689,0.163], g[0.892,0.028]
1/1 [=====] - 0s 114ms/step
>4758, dr[0.710,0.371], df[0.658,0.019], g[0.818,0.016]
1/1 [=====] - 0s 125ms/step
>4759, dr[0.644,0.640], df[0.674,0.056], g[0.883,0.025]
1/1 [=====] - 0s 134ms/step
```

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>4760, dr[0.621,0.400], df[0.672,0.031], g[0.854,0.027]
1/1 [=====] - 0s 144ms/step
>4761, dr[0.694,0.462], df[0.689,0.014], g[0.852,0.028]
1/1 [=====] - 0s 122ms/step
>4762, dr[0.652,0.379], df[0.659,0.033], g[0.968,0.083]
1/1 [=====] - 0s 124ms/step
>4763, dr[0.654,0.308], df[0.698,0.018], g[0.879,0.035]
1/1 [=====] - 0s 116ms/step
>4764, dr[0.766,0.408], df[0.740,0.066], g[0.954,0.044]
1/1 [=====] - 0s 123ms/step
>4765, dr[0.609,0.309], df[0.648,0.059], g[0.819,0.017]
1/1 [=====] - 0s 180ms/step
>4766, dr[0.707,0.736], df[0.760,0.050], g[0.901,0.034]
1/1 [=====] - 0s 116ms/step
>4767, dr[0.592,0.165], df[0.627,0.031], g[0.892,0.023]
1/1 [=====] - 0s 117ms/step
>4768, dr[0.638,0.274], df[0.738,0.031], g[0.864,0.021]
1/1 [=====] - 0s 116ms/step
>4769, dr[0.624,0.648], df[0.653,0.028], g[0.924,0.036]
1/1 [=====] - 0s 123ms/step
>4770, dr[0.694,0.405], df[0.581,0.023], g[0.890,0.024]
1/1 [=====] - 0s 123ms/step
>4771, dr[0.673,0.537], df[0.641,0.019], g[0.843,0.018]
1/1 [=====] - 0s 128ms/step
>4772, dr[0.647,0.297], df[0.659,0.024], g[0.906,0.040]
1/1 [=====] - 0s 126ms/step
>4773, dr[0.679,0.694], df[0.673,0.020], g[0.880,0.024]
1/1 [=====] - 0s 141ms/step
>4774, dr[0.658,0.491], df[0.746,0.027], g[0.797,0.046]
1/1 [=====] - 0s 187ms/step
>4775, dr[0.645,0.539], df[0.695,0.038], g[0.846,0.013]
1/1 [=====] - 0s 135ms/step
>4776, dr[0.748,0.479], df[0.768,0.110], g[0.779,0.027]
1/1 [=====] - 0s 120ms/step
>4777, dr[0.678,0.660], df[0.639,0.030], g[0.880,0.030]
1/1 [=====] - 0s 119ms/step
>4778, dr[0.623,0.462], df[0.582,0.042], g[0.874,0.037]
1/1 [=====] - 0s 121ms/step
>4779, dr[0.606,0.474], df[0.701,0.021], g[0.842,0.028]
1/1 [=====] - 0s 123ms/step
>4780, dr[0.581,0.611], df[0.706,0.015], g[0.836,0.024]
1/1 [=====] - 0s 151ms/step
>4781, dr[0.637,0.382], df[0.670,0.053], g[0.942,0.083]
1/1 [=====] - 0s 131ms/step
>4782, dr[0.658,0.421], df[0.662,0.016], g[0.825,0.064]
1/1 [=====] - 0s 124ms/step
>4783, dr[0.660,0.411], df[0.650,0.021], g[0.902,0.031]
1/1 [=====] - 0s 235ms/step
>4784, dr[0.660,0.414], df[0.591,0.049], g[0.937,0.037]
1/1 [=====] - 0s 294ms/step
>4785, dr[0.714,0.401], df[0.732,0.020], g[0.848,0.041]
1/1 [=====] - 0s 242ms/step
>4786, dr[0.576,0.398], df[0.689,0.031], g[0.833,0.027]
1/1 [=====] - 0s 130ms/step
>4787, dr[0.649,0.394], df[0.563,0.038], g[0.920,0.029]
1/1 [=====] - 0s 240ms/step
>4788, dr[0.713,0.760], df[0.667,0.014], g[0.852,0.050]
1/1 [=====] - 0s 146ms/step
>4789, dr[0.766,0.445], df[0.660,0.025], g[0.838,0.038]
1/1 [=====] - 0s 129ms/step
```

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>4790, dr[0.608,0.211], df[0.703,0.062], g[0.855,0.018]
1/1 [=====] - 0s 122ms/step
>4791, dr[0.723,0.280], df[0.618,0.074], g[0.833,0.034]
1/1 [=====] - 0s 126ms/step
>4792, dr[0.710,0.675], df[0.706,0.022], g[0.812,0.023]
1/1 [=====] - 0s 124ms/step
>4793, dr[0.792,0.425], df[0.689,0.062], g[0.784,0.054]
1/1 [=====] - 0s 124ms/step
>4794, dr[0.638,0.765], df[0.687,0.029], g[0.822,0.030]
1/1 [=====] - 0s 145ms/step
>4795, dr[0.661,0.509], df[0.708,0.046], g[0.827,0.060]
1/1 [=====] - 0s 158ms/step
>4796, dr[0.629,0.323], df[0.675,0.038], g[0.763,0.027]
1/1 [=====] - 0s 128ms/step
>4797, dr[0.560,0.446], df[0.681,0.055], g[0.807,0.039]
1/1 [=====] - 0s 119ms/step
>4798, dr[0.623,0.525], df[0.640,0.022], g[0.809,0.043]
1/1 [=====] - 0s 130ms/step
>4799, dr[0.696,0.449], df[0.649,0.026], g[0.924,0.036]
1/1 [=====] - 0s 128ms/step
>4800, dr[0.711,0.623], df[0.624,0.018], g[0.807,0.040]
1/1 [=====] - 0s 121ms/step
>4801, dr[0.668,0.582], df[0.666,0.026], g[0.850,0.052]
1/1 [=====] - 0s 120ms/step
>4802, dr[0.669,0.672], df[0.688,0.040], g[0.828,0.050]
1/1 [=====] - 0s 122ms/step
>4803, dr[0.651,0.550], df[0.579,0.041], g[0.870,0.026]
1/1 [=====] - 0s 137ms/step
>4804, dr[0.596,0.517], df[0.739,0.038], g[0.746,0.025]
1/1 [=====] - 0s 123ms/step
>4805, dr[0.571,0.377], df[0.768,0.023], g[0.763,0.050]
1/1 [=====] - 0s 118ms/step
>4806, dr[0.641,0.413], df[0.730,0.103], g[0.899,0.044]
1/1 [=====] - 0s 127ms/step
>4807, dr[0.664,0.483], df[0.669,0.028], g[0.872,0.039]
1/1 [=====] - 0s 118ms/step
>4808, dr[0.579,0.246], df[0.695,0.020], g[0.879,0.027]
1/1 [=====] - 0s 127ms/step
>4809, dr[0.790,0.551], df[0.665,0.063], g[0.878,0.060]
1/1 [=====] - 0s 119ms/step
>4810, dr[0.717,0.218], df[0.693,0.020], g[0.888,0.022]
1/1 [=====] - 0s 125ms/step
>4811, dr[0.682,0.324], df[0.728,0.024], g[0.866,0.038]
1/1 [=====] - 0s 146ms/step
>4812, dr[0.646,0.437], df[0.687,0.023], g[0.894,0.078]
1/1 [=====] - 0s 142ms/step
>4813, dr[0.683,0.627], df[0.604,0.020], g[0.874,0.043]
1/1 [=====] - 0s 122ms/step
>4814, dr[0.585,0.532], df[0.685,0.059], g[0.875,0.036]
1/1 [=====] - 0s 122ms/step
>4815, dr[0.627,0.393], df[0.693,0.032], g[0.958,0.020]
1/1 [=====] - 0s 119ms/step
>4816, dr[0.616,0.440], df[0.640,0.021], g[0.927,0.024]
1/1 [=====] - 0s 122ms/step
>4817, dr[0.595,0.733], df[0.723,0.050], g[0.945,0.049]
1/1 [=====] - 0s 134ms/step
>4818, dr[0.638,0.197], df[0.612,0.054], g[1.008,0.041]
1/1 [=====] - 0s 119ms/step
>4819, dr[0.613,0.412], df[0.654,0.028], g[1.004,0.029]
1/1 [=====] - 0s 120ms/step
```

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>4820, dr[0.667,0.396], df[0.630,0.048], g[0.933,0.023]
1/1 [=====] - 0s 129ms/step
>4821, dr[0.749,0.699], df[0.591,0.020], g[0.942,0.049]
1/1 [=====] - 0s 135ms/step
>4822, dr[0.721,0.604], df[0.651,0.018], g[0.900,0.040]
1/1 [=====] - 0s 122ms/step
>4823, dr[0.712,0.579], df[0.638,0.026], g[0.898,0.046]
1/1 [=====] - 0s 119ms/step
>4824, dr[0.663,0.607], df[0.679,0.046], g[0.898,0.025]
1/1 [=====] - 0s 137ms/step
>4825, dr[0.676,0.757], df[0.741,0.052], g[0.819,0.070]
1/1 [=====] - 0s 119ms/step
>4826, dr[0.724,0.388], df[0.664,0.023], g[0.781,0.047]
1/1 [=====] - 0s 121ms/step
>4827, dr[0.665,0.544], df[0.708,0.060], g[0.886,0.040]
1/1 [=====] - 0s 128ms/step
>4828, dr[0.648,0.414], df[0.675,0.019], g[0.906,0.033]
1/1 [=====] - 0s 122ms/step
>4829, dr[0.625,0.191], df[0.678,0.089], g[0.825,0.046]
1/1 [=====] - 0s 125ms/step
>4830, dr[0.740,0.537], df[0.583,0.036], g[0.862,0.035]
1/1 [=====] - 0s 119ms/step
>4831, dr[0.590,0.242], df[0.675,0.063], g[0.874,0.046]
1/1 [=====] - 0s 134ms/step
>4832, dr[0.707,0.778], df[0.725,0.025], g[0.817,0.044]
1/1 [=====] - 0s 127ms/step
>4833, dr[0.655,0.366], df[0.679,0.029], g[0.917,0.031]
1/1 [=====] - 0s 131ms/step
>4834, dr[0.687,0.526], df[0.642,0.030], g[0.815,0.026]
1/1 [=====] - 0s 125ms/step
>4835, dr[0.638,0.336], df[0.637,0.025], g[0.876,0.019]
1/1 [=====] - 0s 126ms/step
>4836, dr[0.657,0.364], df[0.608,0.029], g[0.824,0.021]
1/1 [=====] - 0s 139ms/step
>4837, dr[0.693,0.341], df[0.778,0.012], g[0.879,0.029]
1/1 [=====] - 0s 119ms/step
>4838, dr[0.692,0.314], df[0.728,0.020], g[0.825,0.027]
1/1 [=====] - 0s 123ms/step
>4839, dr[0.578,0.954], df[0.672,0.026], g[0.846,0.047]
1/1 [=====] - 0s 128ms/step
>4840, dr[0.655,0.389], df[0.655,0.019], g[0.832,0.041]
1/1 [=====] - 0s 122ms/step
>4841, dr[0.695,0.575], df[0.705,0.074], g[0.795,0.030]
1/1 [=====] - 0s 121ms/step
>4842, dr[0.598,0.799], df[0.722,0.020], g[0.836,0.048]
1/1 [=====] - 0s 121ms/step
>4843, dr[0.601,0.263], df[0.730,0.039], g[0.831,0.019]
1/1 [=====] - 0s 137ms/step
>4844, dr[0.602,0.604], df[0.669,0.049], g[0.830,0.044]
1/1 [=====] - 0s 121ms/step
>4845, dr[0.677,0.402], df[0.740,0.060], g[0.868,0.025]
1/1 [=====] - 0s 122ms/step
>4846, dr[0.721,0.142], df[0.730,0.026], g[0.921,0.042]
1/1 [=====] - 0s 123ms/step
>4847, dr[0.617,0.290], df[0.694,0.030], g[0.984,0.032]
1/1 [=====] - 0s 122ms/step
>4848, dr[0.701,0.186], df[0.714,0.025], g[0.933,0.042]
1/1 [=====] - 0s 124ms/step
>4849, dr[0.664,0.240], df[0.663,0.037], g[0.877,0.021]
1/1 [=====] - 0s 124ms/step
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>4850, dr[0.751,0.333], df[0.604,0.019], g[0.913,0.028]
1/1 [=====] - 0s 179ms/step
>4851, dr[0.708,0.261], df[0.718,0.025], g[0.880,0.035]
1/1 [=====] - 0s 183ms/step
>4852, dr[0.677,0.969], df[0.629,0.037], g[0.903,0.049]
1/1 [=====] - 0s 192ms/step
>4853, dr[0.661,0.395], df[0.553,0.042], g[0.898,0.063]
1/1 [=====] - 0s 179ms/step
>4854, dr[0.850,0.566], df[0.690,0.014], g[0.878,0.025]
1/1 [=====] - 0s 178ms/step
>4855, dr[0.687,0.157], df[0.672,0.046], g[0.870,0.044]
1/1 [=====] - 0s 173ms/step
>4856, dr[0.685,0.672], df[0.652,0.046], g[0.867,0.025]
1/1 [=====] - 0s 167ms/step
>4857, dr[0.652,0.428], df[0.666,0.038], g[0.864,0.029]
1/1 [=====] - 0s 174ms/step
>4858, dr[0.646,0.243], df[0.812,0.038], g[0.833,0.032]
1/1 [=====] - 0s 187ms/step
>4859, dr[0.783,0.499], df[0.701,0.018], g[0.867,0.036]
1/1 [=====] - 0s 177ms/step
>4860, dr[0.643,0.503], df[0.719,0.059], g[0.847,0.031]
1/1 [=====] - 0s 171ms/step
>4861, dr[0.705,0.446], df[0.676,0.021], g[0.913,0.035]
1/1 [=====] - 0s 172ms/step
>4862, dr[0.728,0.750], df[0.673,0.037], g[0.873,0.023]
1/1 [=====] - 0s 171ms/step
>4863, dr[0.573,0.324], df[0.687,0.044], g[0.777,0.039]
1/1 [=====] - 0s 170ms/step
>4864, dr[0.592,0.285], df[0.668,0.019], g[0.842,0.022]
1/1 [=====] - 0s 189ms/step
>4865, dr[0.710,0.411], df[0.697,0.044], g[0.887,0.025]
1/1 [=====] - 0s 195ms/step
>4866, dr[0.802,0.418], df[0.713,0.025], g[0.858,0.028]
1/1 [=====] - 0s 182ms/step
>4867, dr[0.694,0.580], df[0.647,0.048], g[0.799,0.036]
1/1 [=====] - 0s 167ms/step
>4868, dr[0.649,0.321], df[0.784,0.015], g[0.800,0.034]
1/1 [=====] - 0s 187ms/step
>4869, dr[0.616,0.314], df[0.649,0.050], g[0.824,0.021]
1/1 [=====] - 0s 195ms/step
>4870, dr[0.703,0.393], df[0.673,0.032], g[0.858,0.022]
1/1 [=====] - 0s 180ms/step
>4871, dr[0.628,0.331], df[0.754,0.056], g[0.838,0.028]
1/1 [=====] - 0s 174ms/step
>4872, dr[0.608,0.492], df[0.695,0.089], g[0.807,0.054]
1/1 [=====] - 0s 171ms/step
>4873, dr[0.732,0.514], df[0.782,0.037], g[0.795,0.027]
1/1 [=====] - 0s 174ms/step
>4874, dr[0.611,0.680], df[0.846,0.015], g[0.869,0.042]
1/1 [=====] - 0s 168ms/step
>4875, dr[0.680,0.717], df[0.648,0.042], g[0.889,0.024]
1/1 [=====] - 0s 169ms/step
>4876, dr[0.603,0.372], df[0.519,0.029], g[0.929,0.042]
1/1 [=====] - 0s 178ms/step
>4877, dr[0.683,0.434], df[0.669,0.056], g[0.896,0.031]
1/1 [=====] - 0s 178ms/step
>4878, dr[0.825,0.360], df[0.625,0.032], g[0.886,0.028]
1/1 [=====] - 0s 168ms/step
>4879, dr[0.698,0.503], df[0.761,0.022], g[0.860,0.015]
1/1 [=====] - 0s 174ms/step
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>4880, dr[0.671,0.643], df[0.711,0.014], g[0.833,0.018]
1/1 [=====] - 0s 182ms/step
>4881, dr[0.699,0.336], df[0.702,0.025], g[0.849,0.038]
1/1 [=====] - 0s 179ms/step
>4882, dr[0.593,0.458], df[0.636,0.015], g[0.793,0.032]
1/1 [=====] - 0s 172ms/step
>4883, dr[0.761,0.258], df[0.655,0.013], g[0.823,0.017]
1/1 [=====] - 0s 172ms/step
>4884, dr[0.644,0.312], df[0.620,0.021], g[0.778,0.049]
1/1 [=====] - 0s 174ms/step
>4885, dr[0.682,0.534], df[0.687,0.023], g[0.800,0.017]
1/1 [=====] - 0s 177ms/step
>4886, dr[0.708,1.038], df[0.733,0.028], g[0.870,0.027]
1/1 [=====] - 0s 175ms/step
>4887, dr[0.613,0.260], df[0.692,0.032], g[0.892,0.038]
1/1 [=====] - 0s 170ms/step
>4888, dr[0.732,0.389], df[0.620,0.020], g[0.749,0.023]
1/1 [=====] - 0s 173ms/step
>4889, dr[0.622,0.581], df[0.661,0.020], g[0.769,0.029]
1/1 [=====] - 0s 192ms/step
>4890, dr[0.639,0.301], df[0.746,0.021], g[0.832,0.017]
1/1 [=====] - 0s 178ms/step
>4891, dr[0.633,0.847], df[0.674,0.011], g[0.863,0.018]
1/1 [=====] - 0s 175ms/step
>4892, dr[0.665,0.646], df[0.639,0.062], g[0.820,0.029]
1/1 [=====] - 0s 172ms/step
>4893, dr[0.704,0.497], df[0.714,0.028], g[0.900,0.030]
1/1 [=====] - 0s 170ms/step
>4894, dr[0.595,0.353], df[0.686,0.022], g[0.862,0.057]
1/1 [=====] - 0s 185ms/step
>4895, dr[0.665,0.619], df[0.629,0.018], g[0.943,0.021]
1/1 [=====] - 0s 173ms/step
>4896, dr[0.687,0.257], df[0.673,0.021], g[0.900,0.045]
1/1 [=====] - 0s 170ms/step
>4897, dr[0.671,0.558], df[0.794,0.020], g[0.903,0.043]
1/1 [=====] - 0s 175ms/step
>4898, dr[0.678,0.871], df[0.715,0.031], g[0.940,0.033]
1/1 [=====] - 0s 180ms/step
>4899, dr[0.648,0.395], df[0.697,0.044], g[0.874,0.027]
1/1 [=====] - 0s 181ms/step
>4900, dr[0.705,0.323], df[0.710,0.029], g[0.829,0.030]
1/1 [=====] - 0s 175ms/step
>4901, dr[0.561,0.393], df[0.648,0.031], g[0.932,0.032]
1/1 [=====] - 0s 188ms/step
>4902, dr[0.683,0.271], df[0.678,0.018], g[0.913,0.020]
1/1 [=====] - 0s 171ms/step
>4903, dr[0.723,0.366], df[0.686,0.020], g[0.888,0.025]
1/1 [=====] - 0s 173ms/step
>4904, dr[0.789,0.467], df[0.641,0.046], g[0.913,0.028]
1/1 [=====] - 0s 170ms/step
>4905, dr[0.626,0.726], df[0.659,0.022], g[0.882,0.022]
1/1 [=====] - 0s 174ms/step
>4906, dr[0.681,0.311], df[0.650,0.038], g[0.864,0.055]
1/1 [=====] - 0s 173ms/step
>4907, dr[0.677,0.563], df[0.669,0.021], g[0.829,0.021]
1/1 [=====] - 0s 171ms/step
>4908, dr[0.698,0.332], df[0.656,0.017], g[0.852,0.029]
1/1 [=====] - 0s 182ms/step
>4909, dr[0.670,0.389], df[0.644,0.021], g[0.855,0.021]
1/1 [=====] - 0s 176ms/step
```

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>4910, dr[0.644,0.446], df[0.690,0.029], g[0.979,0.026]
1/1 [=====] - 0s 171ms/step
>4911, dr[0.636,0.597], df[0.680,0.021], g[0.843,0.026]
1/1 [=====] - 0s 190ms/step
>4912, dr[0.660,0.394], df[0.655,0.019], g[0.857,0.034]
1/1 [=====] - 0s 202ms/step
>4913, dr[0.701,0.437], df[0.736,0.016], g[0.899,0.027]
1/1 [=====] - 0s 192ms/step
>4914, dr[0.704,0.801], df[0.635,0.032], g[0.850,0.034]
1/1 [=====] - 0s 183ms/step
>4915, dr[0.716,0.408], df[0.736,0.029], g[0.797,0.022]
1/1 [=====] - 0s 179ms/step
>4916, dr[0.580,0.135], df[0.718,0.043], g[0.796,0.025]
1/1 [=====] - 0s 190ms/step
>4917, dr[0.635,0.322], df[0.671,0.032], g[0.916,0.037]
1/1 [=====] - 0s 181ms/step
>4918, dr[0.682,0.222], df[0.711,0.014], g[0.863,0.025]
1/1 [=====] - 0s 176ms/step
>4919, dr[0.692,0.324], df[0.654,0.020], g[0.771,0.031]
1/1 [=====] - 0s 196ms/step
>4920, dr[0.619,0.539], df[0.692,0.030], g[0.830,0.021]
1/1 [=====] - 0s 227ms/step
>4921, dr[0.758,0.495], df[0.672,0.044], g[0.911,0.024]
1/1 [=====] - 0s 174ms/step
>4922, dr[0.656,0.258], df[0.640,0.032], g[0.875,0.035]
1/1 [=====] - 0s 175ms/step
>4923, dr[0.626,0.653], df[0.701,0.024], g[0.780,0.052]
1/1 [=====] - 0s 209ms/step
>4924, dr[0.589,0.187], df[0.672,0.011], g[0.823,0.026]
1/1 [=====] - 0s 173ms/step
>4925, dr[0.676,0.256], df[0.639,0.023], g[0.892,0.061]
1/1 [=====] - 0s 173ms/step
>4926, dr[0.782,0.391], df[0.762,0.148], g[1.000,0.030]
1/1 [=====] - 0s 176ms/step
>4927, dr[0.675,0.593], df[0.643,0.052], g[0.944,0.017]
1/1 [=====] - 0s 186ms/step
>4928, dr[0.670,0.555], df[0.692,0.024], g[0.855,0.034]
1/1 [=====] - 0s 178ms/step
>4929, dr[0.675,0.366], df[0.627,0.013], g[0.845,0.031]
1/1 [=====] - 0s 174ms/step
>4930, dr[0.659,0.243], df[0.678,0.025], g[0.872,0.037]
1/1 [=====] - 0s 176ms/step
>4931, dr[0.748,0.600], df[0.667,0.028], g[0.898,0.021]
1/1 [=====] - 0s 181ms/step
>4932, dr[0.620,0.375], df[0.722,0.033], g[0.814,0.019]
1/1 [=====] - 0s 174ms/step
>4933, dr[0.676,0.331], df[0.635,0.018], g[0.850,0.069]
1/1 [=====] - 0s 176ms/step
>4934, dr[0.687,0.209], df[0.690,0.024], g[0.866,0.027]
1/1 [=====] - 0s 173ms/step
>4935, dr[0.604,0.285], df[0.713,0.038], g[0.776,0.027]
1/1 [=====] - 0s 200ms/step
>4936, dr[0.707,0.457], df[0.703,0.031], g[0.836,0.022]
1/1 [=====] - 0s 185ms/step
>4937, dr[0.737,0.415], df[0.706,0.024], g[0.863,0.039]
1/1 [=====] - 0s 172ms/step
>4938, dr[0.649,0.527], df[0.620,0.019], g[0.763,0.032]
1/1 [=====] - 0s 173ms/step
>4939, dr[0.657,0.693], df[0.647,0.010], g[0.815,0.030]
1/1 [=====] - 0s 186ms/step
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>4940, dr[0.564,0.382], df[0.687,0.075], g[0.813,0.019]
1/1 [=====] - 0s 181ms/step
>4941, dr[0.573,0.571], df[0.725,0.023], g[0.834,0.027]
1/1 [=====] - 0s 173ms/step
>4942, dr[0.610,0.460], df[0.640,0.037], g[0.843,0.039]
1/1 [=====] - 0s 174ms/step
>4943, dr[0.654,0.801], df[0.676,0.025], g[0.836,0.024]
1/1 [=====] - 0s 174ms/step
>4944, dr[0.759,0.248], df[0.693,0.022], g[0.801,0.056]
1/1 [=====] - 0s 169ms/step
>4945, dr[0.614,0.414], df[0.583,0.019], g[0.869,0.029]
1/1 [=====] - 0s 172ms/step
>4946, dr[0.695,0.427], df[0.642,0.022], g[0.853,0.032]
1/1 [=====] - 0s 176ms/step
>4947, dr[0.638,0.353], df[0.661,0.017], g[0.792,0.055]
1/1 [=====] - 0s 177ms/step
>4948, dr[0.655,0.586], df[0.751,0.037], g[0.826,0.036]
1/1 [=====] - 0s 175ms/step
>4949, dr[0.767,0.519], df[0.709,0.073], g[0.845,0.026]
1/1 [=====] - 0s 185ms/step
>4950, dr[0.667,0.652], df[0.695,0.032], g[0.823,0.018]
1/1 [=====] - 0s 173ms/step
>4951, dr[0.666,0.561], df[0.751,0.048], g[0.852,0.028]
1/1 [=====] - 0s 172ms/step
>4952, dr[0.615,0.727], df[0.754,0.041], g[0.781,0.043]
1/1 [=====] - 0s 174ms/step
>4953, dr[0.672,0.443], df[0.646,0.052], g[0.822,0.022]
1/1 [=====] - 0s 177ms/step
>4954, dr[0.688,0.875], df[0.631,0.036], g[0.751,0.042]
1/1 [=====] - 0s 173ms/step
>4955, dr[0.709,0.507], df[0.661,0.062], g[0.848,0.033]
1/1 [=====] - 0s 174ms/step
>4956, dr[0.657,0.426], df[0.732,0.019], g[0.866,0.025]
1/1 [=====] - 0s 176ms/step
>4957, dr[0.729,0.289], df[0.649,0.033], g[0.809,0.023]
1/1 [=====] - 0s 181ms/step
>4958, dr[0.659,0.469], df[0.688,0.021], g[0.868,0.030]
1/1 [=====] - 0s 180ms/step
>4959, dr[0.673,0.665], df[0.717,0.032], g[0.849,0.017]
1/1 [=====] - 0s 207ms/step
>4960, dr[0.634,0.239], df[0.637,0.014], g[0.803,0.033]
1/1 [=====] - 0s 174ms/step
>4961, dr[0.683,0.565], df[0.648,0.020], g[0.779,0.037]
1/1 [=====] - 0s 172ms/step
>4962, dr[0.552,0.435], df[0.756,0.094], g[0.952,0.034]
1/1 [=====] - 0s 173ms/step
>4963, dr[0.623,0.417], df[0.586,0.031], g[0.845,0.045]
1/1 [=====] - 0s 186ms/step
>4964, dr[0.691,0.348], df[0.639,0.022], g[0.809,0.021]
1/1 [=====] - 0s 174ms/step
>4965, dr[0.702,0.538], df[0.736,0.014], g[0.880,0.018]
1/1 [=====] - 0s 376ms/step
>4966, dr[0.626,0.450], df[0.599,0.026], g[0.889,0.032]
1/1 [=====] - 0s 353ms/step
>4967, dr[0.602,0.878], df[0.699,0.014], g[0.822,0.029]
1/1 [=====] - 0s 214ms/step
>4968, dr[0.645,0.615], df[0.757,0.053], g[0.803,0.063]
1/1 [=====] - 0s 205ms/step
>4969, dr[0.746,0.487], df[0.598,0.020], g[0.874,0.040]
1/1 [=====] - 0s 216ms/step
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>4970, dr[0.700,0.658], df[0.671,0.014], g[0.877,0.035]
1/1 [=====] - 0s 222ms/step
>4971, dr[0.598,0.482], df[0.650,0.052], g[0.753,0.032]
1/1 [=====] - 0s 193ms/step
>4972, dr[0.679,0.750], df[0.691,0.033], g[0.877,0.047]
1/1 [=====] - 0s 197ms/step
>4973, dr[0.691,0.530], df[0.717,0.031], g[0.801,0.025]
1/1 [=====] - 0s 186ms/step
>4974, dr[0.582,0.308], df[0.697,0.025], g[0.770,0.055]
1/1 [=====] - 0s 197ms/step
>4975, dr[0.747,0.301], df[0.606,0.047], g[0.829,0.042]
1/1 [=====] - 0s 191ms/step
>4976, dr[0.671,0.366], df[0.684,0.028], g[0.760,0.031]
1/1 [=====] - 0s 184ms/step
>4977, dr[0.618,0.341], df[0.618,0.022], g[0.831,0.031]
1/1 [=====] - 0s 184ms/step
>4978, dr[0.679,0.271], df[0.657,0.016], g[0.807,0.041]
1/1 [=====] - 0s 195ms/step
>4979, dr[0.636,0.755], df[0.665,0.028], g[0.823,0.025]
1/1 [=====] - 0s 183ms/step
>4980, dr[0.630,0.383], df[0.617,0.016], g[0.840,0.049]
1/1 [=====] - 0s 188ms/step
>4981, dr[0.720,0.359], df[0.645,0.043], g[0.829,0.034]
1/1 [=====] - 0s 190ms/step
>4982, dr[0.612,0.684], df[0.658,0.038], g[0.830,0.059]
1/1 [=====] - 0s 193ms/step
>4983, dr[0.628,0.505], df[0.741,0.022], g[0.785,0.035]
1/1 [=====] - 0s 196ms/step
>4984, dr[0.639,0.277], df[0.747,0.032], g[0.821,0.032]
1/1 [=====] - 0s 196ms/step
>4985, dr[0.666,0.503], df[0.692,0.029], g[0.828,0.024]
1/1 [=====] - 0s 185ms/step
>4986, dr[0.737,0.219], df[0.729,0.013], g[0.844,0.017]
1/1 [=====] - 0s 205ms/step
>4987, dr[0.743,0.212], df[0.780,0.035], g[0.804,0.018]
1/1 [=====] - 0s 182ms/step
>4988, dr[0.620,0.523], df[0.767,0.027], g[0.855,0.025]
1/1 [=====] - 0s 187ms/step
>4989, dr[0.711,0.234], df[0.696,0.037], g[0.858,0.038]
1/1 [=====] - 0s 177ms/step
>4990, dr[0.673,0.252], df[0.595,0.035], g[0.909,0.035]
1/1 [=====] - 0s 178ms/step
>4991, dr[0.700,0.618], df[0.664,0.022], g[0.812,0.034]
1/1 [=====] - 0s 175ms/step
>4992, dr[0.630,0.423], df[0.695,0.032], g[0.840,0.044]
1/1 [=====] - 0s 200ms/step
>4993, dr[0.695,0.893], df[0.719,0.030], g[0.932,0.024]
1/1 [=====] - 0s 182ms/step
>4994, dr[0.748,0.458], df[0.700,0.044], g[0.874,0.024]
1/1 [=====] - 0s 174ms/step
>4995, dr[0.746,0.429], df[0.654,0.026], g[0.851,0.031]
1/1 [=====] - 0s 175ms/step
>4996, dr[0.702,0.735], df[0.741,0.038], g[0.872,0.029]
1/1 [=====] - 0s 175ms/step
>4997, dr[0.661,0.614], df[0.666,0.034], g[0.844,0.027]
1/1 [=====] - 0s 174ms/step
>4998, dr[0.599,0.610], df[0.654,0.033], g[0.844,0.015]
1/1 [=====] - 0s 177ms/step
>4999, dr[0.636,0.322], df[0.702,0.049], g[0.872,0.033]
1/1 [=====] - 0s 188ms/step
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>5000, dr[0.660,0.300], df[0.646,0.013], g[0.806,0.034]
1/1 [=====] - 0s 182ms/step
>5001, dr[0.601,0.571], df[0.692,0.028], g[0.941,0.015]
1/1 [=====] - 0s 181ms/step
>5002, dr[0.638,0.248], df[0.756,0.050], g[0.792,0.031]
1/1 [=====] - 0s 174ms/step
>5003, dr[0.691,0.317], df[0.638,0.021], g[0.861,0.024]
1/1 [=====] - 0s 175ms/step
>5004, dr[0.697,0.443], df[0.563,0.029], g[0.856,0.033]
1/1 [=====] - 0s 174ms/step
>5005, dr[0.564,0.533], df[0.748,0.033], g[0.842,0.053]
1/1 [=====] - 0s 171ms/step
>5006, dr[0.699,0.351], df[0.711,0.021], g[0.802,0.027]
1/1 [=====] - 0s 175ms/step
>5007, dr[0.589,0.346], df[0.627,0.025], g[0.905,0.041]
1/1 [=====] - 0s 171ms/step
>5008, dr[0.661,0.205], df[0.699,0.052], g[0.811,0.050]
1/1 [=====] - 0s 177ms/step
>5009, dr[0.706,0.748], df[0.746,0.039], g[0.840,0.058]
1/1 [=====] - 0s 185ms/step
>5010, dr[0.640,0.279], df[0.775,0.052], g[0.916,0.019]
1/1 [=====] - 0s 206ms/step
>5011, dr[0.593,0.448], df[0.619,0.021], g[0.839,0.034]
1/1 [=====] - 0s 182ms/step
>5012, dr[0.764,0.392], df[0.750,0.016], g[0.874,0.048]
1/1 [=====] - 0s 175ms/step
>5013, dr[0.655,0.525], df[0.699,0.027], g[0.890,0.019]
1/1 [=====] - 0s 175ms/step
>5014, dr[0.727,0.386], df[0.586,0.065], g[0.846,0.034]
1/1 [=====] - 0s 180ms/step
>5015, dr[0.816,0.719], df[0.722,0.016], g[0.793,0.020]
1/1 [=====] - 0s 175ms/step
>5016, dr[0.736,0.274], df[0.584,0.023], g[0.818,0.028]
1/1 [=====] - 0s 176ms/step
>5017, dr[0.588,0.728], df[0.775,0.025], g[0.817,0.029]
1/1 [=====] - 0s 173ms/step
>5018, dr[0.687,0.448], df[0.735,0.026], g[0.831,0.027]
1/1 [=====] - 0s 174ms/step
>5019, dr[0.668,0.249], df[0.584,0.022], g[0.904,0.016]
1/1 [=====] - 0s 176ms/step
>5020, dr[0.594,0.414], df[0.558,0.057], g[0.833,0.015]
1/1 [=====] - 0s 172ms/step
>5021, dr[0.639,0.431], df[0.718,0.040], g[0.828,0.035]
1/1 [=====] - 0s 181ms/step
>5022, dr[0.686,0.393], df[0.769,0.028], g[0.868,0.038]
1/1 [=====] - 0s 180ms/step
>5023, dr[0.583,0.313], df[0.796,0.018], g[0.834,0.030]
1/1 [=====] - 0s 249ms/step
>5024, dr[0.663,0.406], df[0.582,0.017], g[0.879,0.028]
1/1 [=====] - 0s 185ms/step
>5025, dr[0.684,0.523], df[0.607,0.013], g[0.890,0.050]
1/1 [=====] - 0s 185ms/step
>5026, dr[0.671,0.463], df[0.671,0.017], g[0.875,0.024]
1/1 [=====] - 0s 180ms/step
>5027, dr[0.593,0.570], df[0.645,0.019], g[0.823,0.017]
1/1 [=====] - 0s 176ms/step
>5028, dr[0.645,0.446], df[0.642,0.022], g[0.837,0.024]
1/1 [=====] - 0s 173ms/step
>5029, dr[0.755,0.486], df[0.717,0.037], g[0.781,0.038]
1/1 [=====] - 0s 173ms/step
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>5030, dr[0.746,0.396], df[0.679,0.020], g[0.832,0.035]
1/1 [=====] - 0s 172ms/step
>5031, dr[0.584,0.212], df[0.786,0.036], g[0.882,0.021]
1/1 [=====] - 0s 172ms/step
>5032, dr[0.621,0.492], df[0.696,0.030], g[0.848,0.052]
1/1 [=====] - 0s 200ms/step
>5033, dr[0.688,0.777], df[0.652,0.022], g[0.821,0.021]
1/1 [=====] - 0s 174ms/step
>5034, dr[0.726,0.492], df[0.644,0.054], g[0.816,0.027]
1/1 [=====] - 0s 176ms/step
>5035, dr[0.604,0.402], df[0.697,0.024], g[0.790,0.039]
1/1 [=====] - 0s 183ms/step
>5036, dr[0.669,0.425], df[0.652,0.032], g[0.927,0.027]
1/1 [=====] - 0s 200ms/step
>5037, dr[0.662,0.594], df[0.672,0.022], g[0.807,0.021]
1/1 [=====] - 0s 187ms/step
>5038, dr[0.560,0.339], df[0.678,0.015], g[0.894,0.018]
1/1 [=====] - 0s 181ms/step
>5039, dr[0.658,0.624], df[0.684,0.027], g[0.852,0.024]
1/1 [=====] - 0s 173ms/step
>5040, dr[0.677,0.395], df[0.644,0.029], g[0.807,0.038]
1/1 [=====] - 0s 172ms/step
>5041, dr[0.590,0.531], df[0.662,0.017], g[0.880,0.057]
1/1 [=====] - 0s 181ms/step
>5042, dr[0.673,0.270], df[0.678,0.044], g[0.818,0.026]
1/1 [=====] - 0s 262ms/step
>5043, dr[0.674,0.297], df[0.671,0.015], g[0.863,0.041]
1/1 [=====] - 0s 218ms/step
>5044, dr[0.681,0.312], df[0.718,0.044], g[0.758,0.039]
1/1 [=====] - 0s 176ms/step
>5045, dr[0.625,0.741], df[0.699,0.020], g[0.861,0.021]
1/1 [=====] - 0s 177ms/step
>5046, dr[0.637,0.703], df[0.565,0.021], g[0.936,0.031]
1/1 [=====] - 0s 176ms/step
>5047, dr[0.606,0.380], df[0.554,0.031], g[0.892,0.030]
1/1 [=====] - 0s 177ms/step
>5048, dr[0.701,0.414], df[0.604,0.019], g[0.857,0.024]
1/1 [=====] - 0s 175ms/step
>5049, dr[0.598,0.655], df[0.815,0.025], g[0.864,0.024]
1/1 [=====] - 0s 177ms/step
>5050, dr[0.757,0.622], df[0.806,0.030], g[0.895,0.074]
1/1 [=====] - 0s 186ms/step
>5051, dr[0.712,0.317], df[0.750,0.020], g[0.902,0.021]
1/1 [=====] - 0s 175ms/step
>5052, dr[0.599,0.596], df[0.703,0.038], g[0.919,0.023]
1/1 [=====] - 0s 173ms/step
>5053, dr[0.669,0.555], df[0.613,0.017], g[0.878,0.030]
1/1 [=====] - 0s 186ms/step
>5054, dr[0.726,0.587], df[0.631,0.034], g[0.837,0.038]
1/1 [=====] - 0s 200ms/step
>5055, dr[0.709,0.550], df[0.733,0.018], g[0.837,0.033]
1/1 [=====] - 0s 190ms/step
>5056, dr[0.689,0.535], df[0.781,0.020], g[0.811,0.056]
1/1 [=====] - 0s 173ms/step
>5057, dr[0.699,0.382], df[0.653,0.048], g[0.849,0.028]
1/1 [=====] - 0s 178ms/step
>5058, dr[0.787,0.443], df[0.710,0.023], g[0.876,0.031]
1/1 [=====] - 0s 175ms/step
>5059, dr[0.613,0.389], df[0.700,0.018], g[0.766,0.072]
1/1 [=====] - 0s 174ms/step
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>5060, dr[0.600,0.649], df[0.704,0.024], g[0.851,0.025]
1/1 [=====] - 0s 173ms/step
>5061, dr[0.616,0.346], df[0.709,0.013], g[0.827,0.043]
1/1 [=====] - 0s 192ms/step
>5062, dr[0.621,0.494], df[0.682,0.039], g[0.857,0.021]
1/1 [=====] - 0s 177ms/step
>5063, dr[0.791,0.693], df[0.681,0.066], g[0.903,0.028]
1/1 [=====] - 0s 174ms/step
>5064, dr[0.655,0.411], df[0.727,0.023], g[0.798,0.029]
1/1 [=====] - 0s 176ms/step
>5065, dr[0.677,0.361], df[0.694,0.018], g[0.875,0.026]
1/1 [=====] - 0s 197ms/step
>5066, dr[0.787,0.629], df[0.705,0.074], g[0.876,0.029]
1/1 [=====] - 0s 181ms/step
>5067, dr[0.642,0.441], df[0.672,0.055], g[0.835,0.017]
1/1 [=====] - 0s 180ms/step
>5068, dr[0.670,0.772], df[0.693,0.083], g[0.793,0.044]
1/1 [=====] - 0s 180ms/step
>5069, dr[0.682,1.280], df[0.714,0.050], g[0.863,0.021]
1/1 [=====] - 0s 173ms/step
>5070, dr[0.665,0.708], df[0.656,0.047], g[0.834,0.024]
1/1 [=====] - 0s 173ms/step
>5071, dr[0.716,0.481], df[0.733,0.032], g[0.806,0.031]
1/1 [=====] - 0s 173ms/step
>5072, dr[0.605,0.346], df[0.619,0.040], g[0.829,0.058]
1/1 [=====] - 0s 175ms/step
>5073, dr[0.618,0.273], df[0.649,0.022], g[0.880,0.030]
1/1 [=====] - 0s 178ms/step
>5074, dr[0.759,0.634], df[0.758,0.038], g[0.862,0.026]
1/1 [=====] - 0s 179ms/step
>5075, dr[0.703,0.319], df[0.737,0.022], g[0.887,0.024]
1/1 [=====] - 0s 195ms/step
>5076, dr[0.685,0.580], df[0.702,0.042], g[0.879,0.042]
1/1 [=====] - 0s 201ms/step
>5077, dr[0.789,0.448], df[0.633,0.018], g[0.893,0.030]
1/1 [=====] - 0s 191ms/step
>5078, dr[0.707,0.554], df[0.615,0.035], g[0.766,0.025]
1/1 [=====] - 0s 175ms/step
>5079, dr[0.675,0.758], df[0.635,0.028], g[0.853,0.032]
1/1 [=====] - 0s 182ms/step
>5080, dr[0.583,0.405], df[0.707,0.030], g[0.863,0.034]
1/1 [=====] - 0s 238ms/step
>5081, dr[0.671,0.596], df[0.687,0.039], g[0.832,0.026]
1/1 [=====] - 0s 266ms/step
>5082, dr[0.591,0.237], df[0.764,0.030], g[0.851,0.036]
1/1 [=====] - 0s 204ms/step
>5083, dr[0.703,0.431], df[0.693,0.059], g[0.863,0.020]
1/1 [=====] - 0s 199ms/step
>5084, dr[0.653,0.380], df[0.644,0.019], g[0.792,0.028]
1/1 [=====] - 0s 210ms/step
>5085, dr[0.722,0.597], df[0.640,0.043], g[0.876,0.028]
1/1 [=====] - 0s 234ms/step
>5086, dr[0.651,0.245], df[0.720,0.031], g[0.869,0.030]
1/1 [=====] - 0s 199ms/step
>5087, dr[0.693,0.502], df[0.744,0.032], g[0.818,0.037]
1/1 [=====] - 0s 233ms/step
>5088, dr[0.666,0.211], df[0.691,0.029], g[0.837,0.028]
1/1 [=====] - 0s 256ms/step
>5089, dr[0.739,0.608], df[0.673,0.020], g[0.808,0.041]
1/1 [=====] - 0s 259ms/step
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>5090, dr[0.682,0.267], df[0.677,0.015], g[0.907,0.037]
1/1 [=====] - 0s 207ms/step
>5091, dr[0.636,0.763], df[0.587,0.020], g[0.868,0.059]
1/1 [=====] - 0s 241ms/step
>5092, dr[0.728,0.193], df[0.680,0.022], g[0.860,0.030]
1/1 [=====] - 0s 199ms/step
>5093, dr[0.686,0.534], df[0.672,0.018], g[0.871,0.033]
1/1 [=====] - 0s 196ms/step
>5094, dr[0.628,0.263], df[0.677,0.016], g[0.837,0.024]
1/1 [=====] - 0s 194ms/step
>5095, dr[0.691,0.483], df[0.712,0.018], g[0.822,0.067]
1/1 [=====] - 0s 198ms/step
>5096, dr[0.736,0.777], df[0.651,0.060], g[0.829,0.031]
1/1 [=====] - 0s 196ms/step
>5097, dr[0.624,0.296], df[0.671,0.045], g[0.809,0.034]
1/1 [=====] - 0s 184ms/step
>5098, dr[0.719,0.499], df[0.760,0.036], g[0.851,0.029]
1/1 [=====] - 0s 224ms/step
>5099, dr[0.670,0.449], df[0.595,0.072], g[0.848,0.028]
1/1 [=====] - 0s 175ms/step
>5100, dr[0.740,0.170], df[0.677,0.019], g[0.814,0.053]
1/1 [=====] - 0s 175ms/step
>5101, dr[0.666,0.561], df[0.715,0.028], g[0.758,0.030]
1/1 [=====] - 0s 177ms/step
>5102, dr[0.685,0.553], df[0.687,0.147], g[0.845,0.066]
1/1 [=====] - 0s 177ms/step
>5103, dr[0.687,0.571], df[0.668,0.032], g[0.887,0.021]
1/1 [=====] - 0s 177ms/step
>5104, dr[0.724,0.699], df[0.624,0.028], g[0.911,0.022]
1/1 [=====] - 0s 182ms/step
>5105, dr[0.608,0.353], df[0.748,0.020], g[0.933,0.031]
1/1 [=====] - 0s 188ms/step
>5106, dr[0.643,0.509], df[0.700,0.028], g[0.865,0.041]
1/1 [=====] - 0s 187ms/step
>5107, dr[0.765,0.385], df[0.774,0.022], g[0.843,0.047]
1/1 [=====] - 0s 185ms/step
>5108, dr[0.689,0.498], df[0.644,0.024], g[0.774,0.044]
1/1 [=====] - 0s 179ms/step
>5109, dr[0.648,0.522], df[0.684,0.025], g[0.848,0.022]
1/1 [=====] - 0s 175ms/step
>5110, dr[0.674,0.653], df[0.613,0.019], g[0.806,0.020]
1/1 [=====] - 0s 175ms/step
>5111, dr[0.679,0.609], df[0.655,0.019], g[0.831,0.052]
1/1 [=====] - 0s 170ms/step
>5112, dr[0.638,0.564], df[0.657,0.026], g[0.803,0.030]
1/1 [=====] - 0s 173ms/step
>5113, dr[0.708,0.256], df[0.694,0.008], g[0.818,0.032]
1/1 [=====] - 0s 179ms/step
>5114, dr[0.648,0.331], df[0.753,0.028], g[0.827,0.041]
1/1 [=====] - 0s 173ms/step
>5115, dr[0.657,0.308], df[0.649,0.023], g[0.834,0.019]
1/1 [=====] - 0s 175ms/step
>5116, dr[0.719,0.525], df[0.754,0.049], g[0.869,0.026]
1/1 [=====] - 0s 188ms/step
>5117, dr[0.649,0.482], df[0.713,0.025], g[0.894,0.037]
1/1 [=====] - 0s 182ms/step
>5118, dr[0.757,0.448], df[0.651,0.018], g[0.749,0.018]
1/1 [=====] - 0s 191ms/step
>5119, dr[0.720,0.424], df[0.649,0.026], g[0.836,0.063]
1/1 [=====] - 0s 191ms/step
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>5120, dr[0.631,0.635], df[0.627,0.032], g[0.787,0.033]
1/1 [=====] - 0s 177ms/step
>5121, dr[0.633,0.377], df[0.656,0.016], g[0.851,0.027]
1/1 [=====] - 0s 172ms/step
>5122, dr[0.667,1.138], df[0.720,0.023], g[0.812,0.029]
1/1 [=====] - 0s 175ms/step
>5123, dr[0.672,0.929], df[0.726,0.042], g[0.867,0.033]
1/1 [=====] - 0s 177ms/step
>5124, dr[0.662,0.313], df[0.679,0.011], g[0.795,0.025]
1/1 [=====] - 0s 176ms/step
>5125, dr[0.793,0.501], df[0.634,0.037], g[0.846,0.022]
1/1 [=====] - 0s 174ms/step
>5126, dr[0.765,0.331], df[0.731,0.044], g[0.819,0.035]
1/1 [=====] - 0s 184ms/step
>5127, dr[0.648,0.483], df[0.743,0.048], g[0.800,0.036]
1/1 [=====] - 0s 187ms/step
>5128, dr[0.630,0.323], df[0.705,0.042], g[0.897,0.024]
1/1 [=====] - 0s 188ms/step
>5129, dr[0.635,0.685], df[0.676,0.016], g[0.842,0.030]
1/1 [=====] - 0s 219ms/step
>5130, dr[0.619,0.413], df[0.641,0.009], g[0.841,0.021]
1/1 [=====] - 0s 197ms/step
>5131, dr[0.693,0.529], df[0.614,0.017], g[0.912,0.022]
1/1 [=====] - 0s 200ms/step
>5132, dr[0.597,0.526], df[0.593,0.012], g[0.878,0.037]
1/1 [=====] - 0s 198ms/step
>5133, dr[0.733,0.619], df[0.652,0.042], g[0.934,0.023]
1/1 [=====] - 0s 197ms/step
>5134, dr[0.679,0.564], df[0.651,0.019], g[0.892,0.043]
1/1 [=====] - 0s 186ms/step
>5135, dr[0.667,0.634], df[0.687,0.031], g[0.844,0.041]
1/1 [=====] - 0s 208ms/step
>5136, dr[0.690,0.352], df[0.641,0.044], g[0.835,0.029]
1/1 [=====] - 0s 188ms/step
>5137, dr[0.606,0.570], df[0.637,0.028], g[0.866,0.026]
1/1 [=====] - 0s 179ms/step
>5138, dr[0.636,0.294], df[0.781,0.041], g[0.839,0.028]
1/1 [=====] - 0s 182ms/step
>5139, dr[0.732,0.458], df[0.588,0.044], g[0.890,0.016]
1/1 [=====] - 0s 185ms/step
>5140, dr[0.711,0.559], df[0.683,0.032], g[0.796,0.030]
1/1 [=====] - 0s 190ms/step
>5141, dr[0.594,0.490], df[0.671,0.025], g[0.853,0.018]
1/1 [=====] - 0s 181ms/step
>5142, dr[0.709,0.551], df[0.683,0.030], g[0.876,0.023]
1/1 [=====] - 0s 179ms/step
>5143, dr[0.707,0.542], df[0.761,0.036], g[0.874,0.029]
1/1 [=====] - 0s 179ms/step
>5144, dr[0.606,0.369], df[0.654,0.033], g[0.901,0.074]
1/1 [=====] - 0s 181ms/step
>5145, dr[0.778,0.624], df[0.672,0.069], g[0.814,0.027]
1/1 [=====] - 0s 179ms/step
>5146, dr[0.704,0.155], df[0.693,0.028], g[0.823,0.035]
1/1 [=====] - 0s 177ms/step
>5147, dr[0.642,0.294], df[0.698,0.029], g[0.857,0.030]
1/1 [=====] - 0s 186ms/step
>5148, dr[0.621,0.470], df[0.643,0.021], g[0.826,0.034]
1/1 [=====] - 0s 196ms/step
>5149, dr[0.570,0.455], df[0.675,0.016], g[0.767,0.040]
1/1 [=====] - 0s 192ms/step
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>5150, dr[0.729,0.167], df[0.682,0.034], g[0.808,0.023]
1/1 [=====] - 0s 199ms/step
>5151, dr[0.632,0.620], df[0.681,0.043], g[0.819,0.028]
1/1 [=====] - 0s 180ms/step
>5152, dr[0.727,0.441], df[0.689,0.064], g[0.832,0.020]
1/1 [=====] - 0s 180ms/step
>5153, dr[0.640,0.315], df[0.675,0.081], g[0.850,0.070]
1/1 [=====] - 0s 178ms/step
>5154, dr[0.739,0.362], df[0.637,0.022], g[0.815,0.025]
1/1 [=====] - 0s 185ms/step
>5155, dr[0.573,0.693], df[0.793,0.015], g[0.914,0.033]
1/1 [=====] - 0s 190ms/step
>5156, dr[0.650,0.388], df[0.668,0.020], g[0.755,0.028]
1/1 [=====] - 0s 188ms/step
>5157, dr[0.724,0.376], df[0.660,0.030], g[0.894,0.031]
1/1 [=====] - 0s 186ms/step
>5158, dr[0.754,0.477], df[0.731,0.044], g[0.862,0.026]
1/1 [=====] - 0s 195ms/step
>5159, dr[0.593,0.242], df[0.618,0.015], g[0.873,0.035]
1/1 [=====] - 0s 191ms/step
>5160, dr[0.667,0.428], df[0.682,0.013], g[0.910,0.020]
1/1 [=====] - 0s 180ms/step
>5161, dr[0.837,0.852], df[0.677,0.038], g[0.800,0.030]
1/1 [=====] - 0s 178ms/step
>5162, dr[0.732,0.430], df[0.672,0.037], g[0.853,0.017]
1/1 [=====] - 0s 179ms/step
>5163, dr[0.701,0.255], df[0.684,0.024], g[0.784,0.021]
1/1 [=====] - 0s 183ms/step
>5164, dr[0.688,0.390], df[0.644,0.029], g[0.856,0.033]
1/1 [=====] - 0s 178ms/step
>5165, dr[0.666,0.459], df[0.611,0.023], g[0.836,0.034]
1/1 [=====] - 0s 176ms/step
>5166, dr[0.772,0.291], df[0.794,0.028], g[0.775,0.016]
1/1 [=====] - 0s 180ms/step
>5167, dr[0.663,0.442], df[0.678,0.038], g[0.843,0.035]
1/1 [=====] - 0s 184ms/step
>5168, dr[0.630,0.700], df[0.684,0.037], g[0.849,0.027]
1/1 [=====] - 0s 187ms/step
>5169, dr[0.623,0.273], df[0.782,0.074], g[0.948,0.033]
1/1 [=====] - 0s 189ms/step
>5170, dr[0.706,0.697], df[0.675,0.012], g[0.880,0.017]
1/1 [=====] - 0s 192ms/step
>5171, dr[0.641,0.358], df[0.808,0.049], g[0.846,0.047]
1/1 [=====] - 0s 190ms/step
>5172, dr[0.743,0.504], df[0.703,0.014], g[0.909,0.021]
1/1 [=====] - 0s 205ms/step
>5173, dr[0.708,0.469], df[0.596,0.044], g[0.797,0.029]
1/1 [=====] - 0s 227ms/step
>5174, dr[0.642,0.683], df[0.726,0.012], g[0.823,0.029]
1/1 [=====] - 0s 207ms/step
>5175, dr[0.732,0.402], df[0.660,0.039], g[0.871,0.021]
1/1 [=====] - 0s 210ms/step
>5176, dr[0.668,0.401], df[0.650,0.022], g[0.867,0.027]
1/1 [=====] - 0s 196ms/step
>5177, dr[0.742,0.836], df[0.754,0.040], g[0.820,0.073]
1/1 [=====] - 0s 201ms/step
>5178, dr[0.725,0.490], df[0.680,0.055], g[0.860,0.029]
1/1 [=====] - 0s 198ms/step
>5179, dr[0.678,0.693], df[0.801,0.026], g[0.907,0.017]
1/1 [=====] - 0s 202ms/step
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>5180, dr[0.670,0.485], df[0.732,0.168], g[0.816,0.039]
1/1 [=====] - 0s 194ms/step
>5181, dr[0.641,0.822], df[0.757,0.019], g[0.835,0.019]
1/1 [=====] - 0s 208ms/step
>5182, dr[0.610,0.574], df[0.740,0.034], g[0.928,0.036]
1/1 [=====] - 0s 198ms/step
>5183, dr[0.642,0.365], df[0.654,0.034], g[0.940,0.030]
1/1 [=====] - 0s 206ms/step
>5184, dr[0.690,0.508], df[0.640,0.027], g[0.884,0.029]
1/1 [=====] - 0s 195ms/step
>5185, dr[0.610,0.774], df[0.699,0.050], g[0.837,0.023]
1/1 [=====] - 0s 203ms/step
>5186, dr[0.641,0.553], df[0.696,0.013], g[0.838,0.045]
1/1 [=====] - 0s 200ms/step
>5187, dr[0.687,0.132], df[0.617,0.044], g[0.803,0.035]
1/1 [=====] - 0s 194ms/step
>5188, dr[0.774,0.314], df[0.667,0.020], g[0.848,0.021]
1/1 [=====] - 0s 199ms/step
>5189, dr[0.696,0.489], df[0.728,0.025], g[0.839,0.025]
1/1 [=====] - 0s 182ms/step
>5190, dr[0.709,0.389], df[0.646,0.011], g[0.858,0.022]
1/1 [=====] - 0s 181ms/step
>5191, dr[0.600,0.411], df[0.602,0.013], g[0.816,0.021]
1/1 [=====] - 0s 182ms/step
>5192, dr[0.679,0.491], df[0.659,0.019], g[0.868,0.037]
1/1 [=====] - 0s 182ms/step
>5193, dr[0.658,0.254], df[0.729,0.020], g[0.856,0.044]
1/1 [=====] - 0s 187ms/step
>5194, dr[0.613,0.291], df[0.570,0.034], g[0.812,0.024]
1/1 [=====] - 0s 209ms/step
>5195, dr[0.583,0.364], df[0.600,0.008], g[0.809,0.023]
1/1 [=====] - 0s 304ms/step
>5196, dr[0.696,0.322], df[0.742,0.020], g[0.843,0.028]
1/1 [=====] - 0s 224ms/step
>5197, dr[0.673,0.471], df[0.676,0.028], g[0.785,0.018]
1/1 [=====] - 0s 271ms/step
>5198, dr[0.599,0.263], df[0.707,0.018], g[0.842,0.018]
1/1 [=====] - 0s 308ms/step
>5199, dr[0.644,0.557], df[0.773,0.026], g[0.793,0.023]
1/1 [=====] - 0s 197ms/step
>5200, dr[0.661,0.552], df[0.678,0.026], g[0.880,0.021]
1/1 [=====] - 0s 182ms/step
>5201, dr[0.697,0.693], df[0.695,0.034], g[0.841,0.023]
1/1 [=====] - 0s 200ms/step
>5202, dr[0.668,0.429], df[0.728,0.022], g[0.712,0.038]
1/1 [=====] - 0s 226ms/step
>5203, dr[0.681,0.456], df[0.578,0.024], g[0.838,0.022]
1/1 [=====] - 0s 185ms/step
>5204, dr[0.630,0.381], df[0.657,0.024], g[0.827,0.020]
1/1 [=====] - 0s 194ms/step
>5205, dr[0.658,0.495], df[0.783,0.023], g[0.853,0.014]
1/1 [=====] - 0s 217ms/step
>5206, dr[0.625,0.311], df[0.686,0.043], g[0.763,0.027]
1/1 [=====] - 0s 202ms/step
>5207, dr[0.648,0.563], df[0.738,0.030], g[0.828,0.018]
1/1 [=====] - 0s 182ms/step
>5208, dr[0.671,0.514], df[0.631,0.015], g[0.825,0.049]
1/1 [=====] - 0s 195ms/step
>5209, dr[0.745,0.272], df[0.635,0.030], g[0.809,0.033]
1/1 [=====] - 0s 192ms/step
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>5210, dr[0.670,0.445], df[0.707,0.016], g[0.805,0.020]
1/1 [=====] - 0s 191ms/step
>5211, dr[0.570,0.561], df[0.630,0.014], g[0.842,0.019]
1/1 [=====] - 0s 232ms/step
>5212, dr[0.608,0.582], df[0.633,0.017], g[0.746,0.017]
1/1 [=====] - 0s 185ms/step
>5213, dr[0.626,0.274], df[0.666,0.025], g[0.833,0.025]
1/1 [=====] - 0s 193ms/step
>5214, dr[0.618,0.643], df[0.785,0.015], g[0.857,0.035]
1/1 [=====] - 0s 185ms/step
>5215, dr[0.604,0.245], df[0.654,0.048], g[0.857,0.021]
1/1 [=====] - 0s 195ms/step
>5216, dr[0.718,0.688], df[0.696,0.022], g[0.940,0.037]
1/1 [=====] - 0s 210ms/step
>5217, dr[0.713,0.549], df[0.706,0.016], g[0.829,0.019]
1/1 [=====] - 0s 203ms/step
>5218, dr[0.705,0.592], df[0.646,0.043], g[0.758,0.024]
1/1 [=====] - 0s 186ms/step
>5219, dr[0.567,0.325], df[0.619,0.032], g[0.854,0.046]
1/1 [=====] - 0s 187ms/step
>5220, dr[0.645,0.418], df[0.588,0.037], g[0.839,0.024]
1/1 [=====] - 0s 200ms/step
>5221, dr[0.736,0.273], df[0.623,0.015], g[0.814,0.025]
1/1 [=====] - 0s 193ms/step
>5222, dr[0.681,0.406], df[0.701,0.022], g[0.837,0.030]
1/1 [=====] - 0s 196ms/step
>5223, dr[0.621,0.579], df[0.662,0.013], g[0.835,0.034]
1/1 [=====] - 0s 191ms/step
>5224, dr[0.706,0.486], df[0.701,0.040], g[0.755,0.016]
1/1 [=====] - 0s 192ms/step
>5225, dr[0.654,0.378], df[0.751,0.022], g[0.902,0.022]
1/1 [=====] - 0s 192ms/step
>5226, dr[0.652,0.375], df[0.696,0.013], g[0.869,0.045]
1/1 [=====] - 0s 190ms/step
>5227, dr[0.658,0.398], df[0.670,0.031], g[0.796,0.042]
1/1 [=====] - 0s 186ms/step
>5228, dr[0.649,0.370], df[0.639,0.021], g[0.926,0.025]
1/1 [=====] - 0s 182ms/step
>5229, dr[0.740,0.455], df[0.632,0.027], g[0.853,0.027]
1/1 [=====] - 0s 185ms/step
>5230, dr[0.735,0.842], df[0.678,0.033], g[0.789,0.056]
1/1 [=====] - 0s 185ms/step
>5231, dr[0.688,0.583], df[0.705,0.022], g[0.810,0.015]
1/1 [=====] - 0s 188ms/step
>5232, dr[0.657,0.504], df[0.697,0.027], g[0.817,0.059]
1/1 [=====] - 0s 189ms/step
>5233, dr[0.690,0.420], df[0.775,0.040], g[0.809,0.029]
1/1 [=====] - 0s 185ms/step
>5234, dr[0.713,0.631], df[0.613,0.047], g[0.821,0.032]
1/1 [=====] - 0s 180ms/step
>5235, dr[0.684,0.438], df[0.591,0.014], g[0.800,0.025]
1/1 [=====] - 0s 186ms/step
>5236, dr[0.644,0.475], df[0.713,0.023], g[0.836,0.027]
1/1 [=====] - 0s 190ms/step
>5237, dr[0.630,0.288], df[0.715,0.030], g[0.880,0.031]
1/1 [=====] - 0s 182ms/step
>5238, dr[0.675,0.373], df[0.677,0.015], g[0.921,0.015]
1/1 [=====] - 0s 185ms/step
>5239, dr[0.737,0.290], df[0.703,0.016], g[0.811,0.023]
1/1 [=====] - 0s 200ms/step
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>5240, dr[0.673,0.281], df[0.723,0.031], g[0.853,0.021]
1/1 [=====] - 0s 184ms/step
>5241, dr[0.653,0.451], df[0.667,0.027], g[0.861,0.046]
1/1 [=====] - 0s 186ms/step
>5242, dr[0.654,0.493], df[0.561,0.027], g[0.809,0.032]
1/1 [=====] - 0s 196ms/step
>5243, dr[0.689,0.226], df[0.706,0.012], g[0.779,0.037]
1/1 [=====] - 0s 192ms/step
>5244, dr[0.686,0.544], df[0.719,0.024], g[0.877,0.017]
1/1 [=====] - 0s 194ms/step
>5245, dr[0.641,0.466], df[0.781,0.037], g[0.813,0.024]
1/1 [=====] - 0s 190ms/step
>5246, dr[0.687,0.371], df[0.723,0.019], g[0.861,0.018]
1/1 [=====] - 0s 186ms/step
>5247, dr[0.669,0.624], df[0.698,0.043], g[0.791,0.028]
1/1 [=====] - 0s 187ms/step
>5248, dr[0.627,0.246], df[0.661,0.031], g[0.819,0.020]
1/1 [=====] - 0s 187ms/step
>5249, dr[0.685,0.596], df[0.717,0.026], g[0.880,0.025]
1/1 [=====] - 0s 187ms/step
>5250, dr[0.728,0.462], df[0.656,0.022], g[0.848,0.039]
1/1 [=====] - 0s 184ms/step
>5251, dr[0.625,0.767], df[0.609,0.013], g[0.885,0.026]
1/1 [=====] - 0s 182ms/step
>5252, dr[0.663,0.385], df[0.734,0.029], g[0.789,0.033]
1/1 [=====] - 0s 187ms/step
>5253, dr[0.565,0.733], df[0.638,0.019], g[0.883,0.018]
1/1 [=====] - 0s 185ms/step
>5254, dr[0.697,0.857], df[0.634,0.016], g[0.816,0.033]
1/1 [=====] - 0s 186ms/step
>5255, dr[0.726,0.294], df[0.669,0.034], g[0.778,0.021]
1/1 [=====] - 0s 188ms/step
>5256, dr[0.678,0.470], df[0.696,0.022], g[0.760,0.024]
1/1 [=====] - 0s 184ms/step
>5257, dr[0.660,0.797], df[0.719,0.028], g[0.831,0.020]
1/1 [=====] - 0s 185ms/step
>5258, dr[0.686,0.320], df[0.688,0.025], g[0.812,0.033]
1/1 [=====] - 0s 183ms/step
>5259, dr[0.574,0.530], df[0.609,0.022], g[0.835,0.037]
1/1 [=====] - 0s 191ms/step
>5260, dr[0.614,0.205], df[0.653,0.010], g[0.811,0.026]
1/1 [=====] - 0s 189ms/step
>5261, dr[0.659,0.311], df[0.693,0.029], g[0.837,0.025]
1/1 [=====] - 0s 197ms/step
>5262, dr[0.674,0.516], df[0.644,0.033], g[0.873,0.048]
1/1 [=====] - 0s 197ms/step
>5263, dr[0.641,0.300], df[0.670,0.022], g[0.817,0.024]
1/1 [=====] - 0s 195ms/step
>5264, dr[0.626,0.524], df[0.749,0.040], g[0.824,0.017]
1/1 [=====] - 0s 200ms/step
>5265, dr[0.673,0.439], df[0.745,0.031], g[0.864,0.020]
1/1 [=====] - 0s 191ms/step
>5266, dr[0.691,0.704], df[0.663,0.024], g[0.896,0.025]
1/1 [=====] - 0s 195ms/step
>5267, dr[0.682,0.418], df[0.690,0.027], g[0.842,0.060]
1/1 [=====] - 0s 190ms/step
>5268, dr[0.682,0.664], df[0.664,0.056], g[0.817,0.032]
1/1 [=====] - 0s 189ms/step
>5269, dr[0.695,0.485], df[0.700,0.027], g[0.839,0.047]
1/1 [=====] - 0s 187ms/step
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>5270, dr[0.645,0.446], df[0.760,0.031], g[0.858,0.027]
1/1 [=====] - 0s 187ms/step
>5271, dr[0.622,0.200], df[0.723,0.034], g[0.825,0.034]
1/1 [=====] - 0s 190ms/step
>5272, dr[0.678,0.429], df[0.699,0.022], g[0.857,0.021]
1/1 [=====] - 0s 184ms/step
>5273, dr[0.744,0.569], df[0.643,0.015], g[0.848,0.025]
1/1 [=====] - 0s 186ms/step
>5274, dr[0.612,0.707], df[0.697,0.016], g[0.830,0.020]
1/1 [=====] - 0s 187ms/step
>5275, dr[0.658,0.539], df[0.621,0.023], g[0.965,0.022]
1/1 [=====] - 0s 186ms/step
>5276, dr[0.702,0.610], df[0.684,0.023], g[0.876,0.025]
1/1 [=====] - 0s 187ms/step
>5277, dr[0.607,0.797], df[0.639,0.022], g[0.835,0.028]
1/1 [=====] - 0s 190ms/step
>5278, dr[0.586,0.438], df[0.706,0.016], g[0.886,0.033]
1/1 [=====] - 0s 187ms/step
>5279, dr[0.724,0.760], df[0.652,0.016], g[0.838,0.020]
1/1 [=====] - 0s 200ms/step
>5280, dr[0.661,0.290], df[0.681,0.023], g[0.897,0.023]
1/1 [=====] - 0s 186ms/step
>5281, dr[0.678,0.350], df[0.694,0.034], g[0.939,0.026]
1/1 [=====] - 0s 186ms/step
>5282, dr[0.629,0.307], df[0.677,0.025], g[0.829,0.026]
1/1 [=====] - 0s 187ms/step
>5283, dr[0.749,0.341], df[0.648,0.045], g[0.830,0.055]
1/1 [=====] - 0s 197ms/step
>5284, dr[0.704,0.429], df[0.654,0.062], g[0.815,0.050]
1/1 [=====] - 0s 197ms/step
>5285, dr[0.669,0.519], df[0.614,0.012], g[0.828,0.023]
1/1 [=====] - 0s 194ms/step
>5286, dr[0.705,0.412], df[0.715,0.031], g[0.909,0.021]
1/1 [=====] - 0s 191ms/step
>5287, dr[0.693,0.319], df[0.614,0.024], g[0.865,0.018]
1/1 [=====] - 0s 197ms/step
>5288, dr[0.604,0.641], df[0.643,0.017], g[0.841,0.015]
1/1 [=====] - 0s 195ms/step
>5289, dr[0.654,0.455], df[0.671,0.021], g[0.775,0.042]
1/1 [=====] - 0s 194ms/step
>5290, dr[0.602,0.518], df[0.729,0.034], g[0.790,0.027]
1/1 [=====] - 0s 195ms/step
>5291, dr[0.718,0.566], df[0.775,0.024], g[0.840,0.029]
1/1 [=====] - 0s 198ms/step
>5292, dr[0.693,0.557], df[0.688,0.069], g[0.767,0.021]
1/1 [=====] - 0s 208ms/step
>5293, dr[0.648,0.466], df[0.708,0.024], g[0.821,0.027]
1/1 [=====] - 0s 200ms/step
>5294, dr[0.703,0.654], df[0.646,0.024], g[0.908,0.026]
1/1 [=====] - 0s 197ms/step
>5295, dr[0.749,0.657], df[0.631,0.023], g[0.755,0.035]
1/1 [=====] - 0s 188ms/step
>5296, dr[0.587,0.670], df[0.723,0.016], g[0.843,0.051]
1/1 [=====] - 0s 191ms/step
>5297, dr[0.640,0.863], df[0.812,0.041], g[0.822,0.026]
1/1 [=====] - 0s 190ms/step
>5298, dr[0.728,0.359], df[0.725,0.019], g[0.875,0.039]
1/1 [=====] - 0s 187ms/step
>5299, dr[0.673,0.274], df[0.668,0.020], g[0.815,0.042]
1/1 [=====] - 0s 191ms/step
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>5300, dr[0.644,0.333], df[0.667,0.053], g[0.853,0.022]
1/1 [=====] - 0s 189ms/step
>5301, dr[0.736,0.716], df[0.576,0.029], g[0.917,0.037]
1/1 [=====] - 0s 199ms/step
>5302, dr[0.639,0.705], df[0.733,0.028], g[0.906,0.026]
1/1 [=====] - 0s 194ms/step
>5303, dr[0.670,0.461], df[0.734,0.032], g[0.873,0.050]
1/1 [=====] - 0s 188ms/step
>5304, dr[0.734,0.547], df[0.621,0.023], g[0.861,0.032]
1/1 [=====] - 0s 186ms/step
>5305, dr[0.794,0.591], df[0.628,0.017], g[0.835,0.039]
1/1 [=====] - 0s 186ms/step
>5306, dr[0.726,0.302], df[0.630,0.024], g[0.872,0.018]
1/1 [=====] - 0s 188ms/step
>5307, dr[0.706,0.694], df[0.700,0.014], g[0.816,0.026]
1/1 [=====] - 0s 194ms/step
>5308, dr[0.641,0.575], df[0.760,0.032], g[0.862,0.030]
1/1 [=====] - 0s 194ms/step
>5309, dr[0.619,0.453], df[0.714,0.024], g[0.775,0.030]
1/1 [=====] - 0s 185ms/step
>5310, dr[0.645,0.541], df[0.748,0.027], g[0.800,0.030]
1/1 [=====] - 0s 196ms/step
>5311, dr[0.659,0.276], df[0.678,0.028], g[0.800,0.030]
1/1 [=====] - 0s 205ms/step
>5312, dr[0.708,0.495], df[0.697,0.024], g[0.843,0.014]
1/1 [=====] - 0s 208ms/step
>5313, dr[0.625,0.610], df[0.643,0.032], g[0.805,0.021]
1/1 [=====] - 0s 201ms/step
>5314, dr[0.556,0.392], df[0.701,0.021], g[0.835,0.064]
1/1 [=====] - 0s 202ms/step
>5315, dr[0.729,0.356], df[0.685,0.038], g[0.810,0.029]
1/1 [=====] - 0s 201ms/step
>5316, dr[0.720,0.899], df[0.761,0.041], g[0.806,0.024]
1/1 [=====] - 0s 202ms/step
>5317, dr[0.654,0.329], df[0.665,0.114], g[0.838,0.039]
1/1 [=====] - 0s 199ms/step
>5318, dr[0.755,0.533], df[0.645,0.032], g[0.822,0.022]
1/1 [=====] - 0s 204ms/step
>5319, dr[0.741,0.387], df[0.736,0.029], g[0.832,0.029]
1/1 [=====] - 0s 196ms/step
>5320, dr[0.697,0.292], df[0.659,0.041], g[0.793,0.027]
1/1 [=====] - 0s 188ms/step
>5321, dr[0.652,0.531], df[0.671,0.021], g[0.781,0.022]
1/1 [=====] - 0s 191ms/step
>5322, dr[0.605,0.268], df[0.685,0.023], g[0.775,0.020]
1/1 [=====] - 0s 192ms/step
>5323, dr[0.580,0.520], df[0.692,0.035], g[0.876,0.024]
1/1 [=====] - 0s 187ms/step
>5324, dr[0.685,0.471], df[0.809,0.020], g[0.838,0.017]
1/1 [=====] - 0s 198ms/step
>5325, dr[0.665,0.577], df[0.728,0.039], g[0.904,0.015]
1/1 [=====] - 0s 203ms/step
>5326, dr[0.710,0.744], df[0.644,0.022], g[0.805,0.031]
1/1 [=====] - 0s 205ms/step
>5327, dr[0.642,0.582], df[0.711,0.017], g[0.843,0.046]
1/1 [=====] - 0s 203ms/step
>5328, dr[0.648,0.713], df[0.648,0.019], g[0.874,0.049]
1/1 [=====] - 0s 192ms/step
>5329, dr[0.653,0.277], df[0.695,0.023], g[0.767,0.026]
1/1 [=====] - 0s 201ms/step
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>5330, dr[0.533,0.644], df[0.660,0.017], g[0.837,0.044]
1/1 [=====] - 0s 203ms/step
>5331, dr[0.615,0.478], df[0.615,0.029], g[0.950,0.030]
1/1 [=====] - 0s 192ms/step
>5332, dr[0.664,0.410], df[0.621,0.014], g[0.859,0.035]
1/1 [=====] - 0s 190ms/step
>5333, dr[0.682,0.288], df[0.657,0.012], g[0.820,0.036]
1/1 [=====] - 0s 198ms/step
>5334, dr[0.656,0.339], df[0.720,0.018], g[0.846,0.026]
1/1 [=====] - 0s 223ms/step
>5335, dr[0.695,0.282], df[0.613,0.018], g[0.809,0.027]
1/1 [=====] - 0s 190ms/step
>5336, dr[0.620,0.407], df[0.718,0.081], g[0.844,0.024]
1/1 [=====] - 0s 188ms/step
>5337, dr[0.643,0.371], df[0.656,0.016], g[0.776,0.022]
1/1 [=====] - 0s 191ms/step
>5338, dr[0.728,0.318], df[0.634,0.017], g[0.786,0.027]
1/1 [=====] - 0s 186ms/step
>5339, dr[0.686,0.505], df[0.621,0.014], g[0.826,0.024]
1/1 [=====] - 0s 190ms/step
>5340, dr[0.725,0.344], df[0.690,0.077], g[0.855,0.018]
1/1 [=====] - 0s 187ms/step
>5341, dr[0.696,0.608], df[0.660,0.013], g[0.876,0.023]
1/1 [=====] - 0s 189ms/step
>5342, dr[0.646,0.366], df[0.670,0.021], g[0.841,0.036]
1/1 [=====] - 0s 189ms/step
>5343, dr[0.689,0.787], df[0.680,0.076], g[0.901,0.033]
1/1 [=====] - 0s 196ms/step
>5344, dr[0.727,0.423], df[0.704,0.015], g[0.816,0.024]
1/1 [=====] - 0s 192ms/step
>5345, dr[0.657,0.644], df[0.740,0.022], g[0.757,0.025]
1/1 [=====] - 0s 199ms/step
>5346, dr[0.631,0.387], df[0.756,0.035], g[0.871,0.017]
1/1 [=====] - 0s 192ms/step
>5347, dr[0.776,0.947], df[0.726,0.028], g[0.859,0.032]
1/1 [=====] - 0s 191ms/step
>5348, dr[0.722,0.301], df[0.737,0.021], g[0.777,0.034]
1/1 [=====] - 0s 189ms/step
>5349, dr[0.630,0.606], df[0.662,0.024], g[0.790,0.024]
1/1 [=====] - 0s 190ms/step
>5350, dr[0.557,0.195], df[0.659,0.026], g[0.780,0.027]
1/1 [=====] - 0s 191ms/step
>5351, dr[0.631,0.396], df[0.660,0.018], g[0.904,0.033]
1/1 [=====] - 0s 197ms/step
>5352, dr[0.695,0.256], df[0.680,0.012], g[0.890,0.019]
1/1 [=====] - 0s 190ms/step
>5353, dr[0.776,0.487], df[0.642,0.066], g[0.784,0.033]
1/1 [=====] - 0s 194ms/step
>5354, dr[0.574,0.349], df[0.673,0.024], g[0.869,0.026]
1/1 [=====] - 0s 195ms/step
>5355, dr[0.624,0.861], df[0.680,0.046], g[0.836,0.030]
1/1 [=====] - 0s 249ms/step
>5356, dr[0.644,0.599], df[0.670,0.024], g[0.833,0.027]
1/1 [=====] - 0s 224ms/step
>5357, dr[0.648,0.368], df[0.638,0.022], g[0.869,0.060]
1/1 [=====] - 0s 260ms/step
>5358, dr[0.700,0.197], df[0.705,0.013], g[0.828,0.042]
1/1 [=====] - 0s 194ms/step
>5359, dr[0.654,0.537], df[0.608,0.036], g[0.902,0.023]
1/1 [=====] - 0s 252ms/step
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>5360, dr[0.820,0.274], df[0.832,0.028], g[0.794,0.023]
1/1 [=====] - 0s 200ms/step
>5361, dr[0.652,0.568], df[0.741,0.024], g[0.872,0.023]
1/1 [=====] - 0s 197ms/step
>5362, dr[0.667,0.636], df[0.671,0.026], g[0.808,0.041]
1/1 [=====] - 0s 206ms/step
>5363, dr[0.749,0.287], df[0.656,0.014], g[0.831,0.018]
1/1 [=====] - 0s 221ms/step
>5364, dr[0.597,0.302], df[0.656,0.038], g[0.868,0.037]
1/1 [=====] - 0s 195ms/step
>5365, dr[0.682,0.501], df[0.716,0.012], g[0.767,0.028]
1/1 [=====] - 0s 205ms/step
>5366, dr[0.662,0.300], df[0.671,0.012], g[0.812,0.037]
1/1 [=====] - 0s 195ms/step
>5367, dr[0.732,0.309], df[0.723,0.038], g[0.855,0.026]
1/1 [=====] - 0s 192ms/step
>5368, dr[0.610,0.618], df[0.698,0.026], g[0.895,0.034]
1/1 [=====] - 0s 193ms/step
>5369, dr[0.688,0.656], df[0.588,0.021], g[0.791,0.026]
1/1 [=====] - 0s 190ms/step
>5370, dr[0.650,0.507], df[0.722,0.042], g[0.877,0.015]
1/1 [=====] - 0s 191ms/step
>5371, dr[0.652,0.401], df[0.795,0.035], g[0.875,0.062]
1/1 [=====] - 0s 202ms/step
>5372, dr[0.662,0.379], df[0.655,0.028], g[0.865,0.043]
1/1 [=====] - 0s 190ms/step
>5373, dr[0.722,0.609], df[0.652,0.017], g[0.847,0.024]
1/1 [=====] - 0s 189ms/step
>5374, dr[0.655,0.587], df[0.674,0.034], g[0.859,0.020]
1/1 [=====] - 0s 195ms/step
>5375, dr[0.635,0.473], df[0.725,0.020], g[0.829,0.024]
1/1 [=====] - 0s 191ms/step
>5376, dr[0.734,0.394], df[0.643,0.029], g[0.847,0.021]
1/1 [=====] - 0s 191ms/step
>5377, dr[0.726,0.446], df[0.607,0.057], g[0.836,0.033]
1/1 [=====] - 0s 193ms/step
>5378, dr[0.683,0.608], df[0.693,0.026], g[0.843,0.062]
1/1 [=====] - 0s 191ms/step
>5379, dr[0.685,0.443], df[0.709,0.054], g[0.817,0.017]
1/1 [=====] - 0s 197ms/step
>5380, dr[0.673,0.455], df[0.696,0.021], g[0.797,0.033]
1/1 [=====] - 0s 195ms/step
>5381, dr[0.656,0.400], df[0.642,0.020], g[0.812,0.062]
1/1 [=====] - 0s 192ms/step
>5382, dr[0.675,0.809], df[0.674,0.016], g[0.850,0.014]
1/1 [=====] - 0s 190ms/step
>5383, dr[0.566,0.567], df[0.671,0.032], g[0.869,0.039]
1/1 [=====] - 0s 193ms/step
>5384, dr[0.676,0.554], df[0.689,0.015], g[0.860,0.018]
1/1 [=====] - 0s 208ms/step
>5385, dr[0.689,0.638], df[0.649,0.025], g[0.833,0.024]
1/1 [=====] - 0s 206ms/step
>5386, dr[0.653,0.704], df[0.681,0.025], g[0.765,0.040]
1/1 [=====] - 0s 188ms/step
>5387, dr[0.659,0.359], df[0.701,0.036], g[0.780,0.033]
1/1 [=====] - 0s 195ms/step
>5388, dr[0.637,0.720], df[0.740,0.017], g[0.754,0.020]
1/1 [=====] - 0s 190ms/step
>5389, dr[0.753,0.411], df[0.670,0.053], g[0.769,0.056]
1/1 [=====] - 0s 189ms/step
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>5390, dr[0.667,0.652], df[0.673,0.020], g[0.780,0.025]
1/1 [=====] - 0s 189ms/step
>5391, dr[0.667,0.563], df[0.730,0.022], g[0.826,0.026]
1/1 [=====] - 0s 189ms/step
>5392, dr[0.608,0.701], df[0.741,0.041], g[0.785,0.024]
1/1 [=====] - 0s 193ms/step
>5393, dr[0.699,0.279], df[0.658,0.069], g[0.813,0.019]
1/1 [=====] - 0s 197ms/step
>5394, dr[0.702,0.270], df[0.746,0.026], g[0.854,0.012]
1/1 [=====] - 0s 191ms/step
>5395, dr[0.680,0.481], df[0.694,0.024], g[0.766,0.025]
1/1 [=====] - 0s 195ms/step
>5396, dr[0.714,0.425], df[0.692,0.021], g[0.814,0.038]
1/1 [=====] - 0s 196ms/step
>5397, dr[0.697,0.328], df[0.619,0.034], g[0.863,0.028]
1/1 [=====] - 0s 196ms/step
>5398, dr[0.612,0.371], df[0.661,0.039], g[0.782,0.032]
1/1 [=====] - 0s 194ms/step
>5399, dr[0.564,0.397], df[0.631,0.017], g[0.770,0.031]
1/1 [=====] - 0s 197ms/step
>5400, dr[0.680,0.357], df[0.675,0.030], g[0.791,0.015]
1/1 [=====] - 0s 204ms/step
>5401, dr[0.620,0.219], df[0.671,0.023], g[0.748,0.070]
1/1 [=====] - 0s 198ms/step
>5402, dr[0.713,0.217], df[0.721,0.025], g[0.835,0.027]
1/1 [=====] - 0s 205ms/step
>5403, dr[0.792,0.570], df[0.605,0.014], g[0.775,0.021]
1/1 [=====] - 0s 206ms/step
>5404, dr[0.648,0.895], df[0.712,0.081], g[0.722,0.034]
1/1 [=====] - 0s 201ms/step
>5405, dr[0.609,0.287], df[0.740,0.020], g[0.769,0.018]
1/1 [=====] - 0s 198ms/step
>5406, dr[0.559,0.725], df[0.662,0.056], g[0.830,0.018]
1/1 [=====] - 0s 198ms/step
>5407, dr[0.672,0.374], df[0.704,0.012], g[0.826,0.027]
1/1 [=====] - 0s 199ms/step
>5408, dr[0.668,0.185], df[0.671,0.030], g[0.784,0.033]
1/1 [=====] - 0s 196ms/step
>5409, dr[0.693,0.450], df[0.644,0.028], g[0.799,0.033]
1/1 [=====] - 0s 194ms/step
>5410, dr[0.622,1.169], df[0.725,0.031], g[0.810,0.034]
1/1 [=====] - 0s 195ms/step
>5411, dr[0.673,0.359], df[0.731,0.065], g[0.774,0.022]
1/1 [=====] - 0s 192ms/step
>5412, dr[0.576,0.240], df[0.666,0.026], g[0.856,0.024]
1/1 [=====] - 0s 263ms/step
>5413, dr[0.628,0.615], df[0.606,0.056], g[0.865,0.023]
1/1 [=====] - 0s 357ms/step
>5414, dr[0.648,0.463], df[0.655,0.027], g[0.823,0.041]
1/1 [=====] - 0s 205ms/step
>5415, dr[0.683,0.580], df[0.626,0.034], g[0.825,0.029]
1/1 [=====] - 0s 203ms/step
>5416, dr[0.738,0.462], df[0.623,0.037], g[0.826,0.029]
1/1 [=====] - 0s 193ms/step
>5417, dr[0.682,0.517], df[0.682,0.018], g[0.780,0.035]
1/1 [=====] - 0s 193ms/step
>5418, dr[0.646,0.673], df[0.709,0.023], g[0.810,0.037]
1/1 [=====] - 0s 194ms/step
>5419, dr[0.631,0.701], df[0.654,0.018], g[0.817,0.029]
1/1 [=====] - 0s 192ms/step
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>5420, dr[0.574,0.739], df[0.828,0.027], g[0.805,0.029]
1/1 [=====] - 0s 195ms/step
>5421, dr[0.625,0.535], df[0.711,0.044], g[0.835,0.020]
1/1 [=====] - 0s 213ms/step
>5422, dr[0.701,0.348], df[0.656,0.025], g[0.862,0.036]
1/1 [=====] - 0s 206ms/step
>5423, dr[0.633,0.512], df[0.693,0.048], g[0.918,0.021]
1/1 [=====] - 0s 211ms/step
>5424, dr[0.720,0.345], df[0.633,0.022], g[0.906,0.024]
1/1 [=====] - 0s 196ms/step
>5425, dr[0.775,0.438], df[0.698,0.038], g[0.811,0.018]
1/1 [=====] - 0s 192ms/step
>5426, dr[0.695,0.405], df[0.633,0.052], g[0.826,0.020]
1/1 [=====] - 0s 260ms/step
>5427, dr[0.691,0.276], df[0.710,0.015], g[0.809,0.037]
1/1 [=====] - 0s 200ms/step
>5428, dr[0.686,0.843], df[0.773,0.028], g[0.815,0.031]
1/1 [=====] - 0s 200ms/step
>5429, dr[0.710,0.398], df[0.696,0.026], g[0.834,0.024]
1/1 [=====] - 0s 196ms/step
>5430, dr[0.710,0.467], df[0.713,0.040], g[0.805,0.078]
1/1 [=====] - 0s 197ms/step
>5431, dr[0.574,0.402], df[0.621,0.052], g[0.869,0.036]
1/1 [=====] - 0s 196ms/step
>5432, dr[0.677,0.361], df[0.634,0.044], g[0.825,0.019]
1/1 [=====] - 0s 193ms/step
>5433, dr[0.601,0.658], df[0.696,0.025], g[0.853,0.019]
1/1 [=====] - 0s 195ms/step
>5434, dr[0.719,0.539], df[0.735,0.021], g[0.839,0.030]
1/1 [=====] - 0s 200ms/step
>5435, dr[0.695,0.387], df[0.605,0.019], g[0.905,0.029]
1/1 [=====] - 0s 193ms/step
>5436, dr[0.736,0.473], df[0.611,0.027], g[0.860,0.035]
1/1 [=====] - 0s 190ms/step
>5437, dr[0.641,0.289], df[0.699,0.026], g[0.750,0.025]
1/1 [=====] - 0s 202ms/step
>5438, dr[0.602,0.528], df[0.620,0.036], g[0.814,0.014]
1/1 [=====] - 0s 208ms/step
>5439, dr[0.706,0.491], df[0.720,0.016], g[0.709,0.031]
1/1 [=====] - 0s 203ms/step
>5440, dr[0.666,0.498], df[0.662,0.021], g[0.833,0.025]
1/1 [=====] - 0s 206ms/step
>5441, dr[0.639,0.390], df[0.657,0.060], g[0.809,0.027]
1/1 [=====] - 0s 195ms/step
>5442, dr[0.664,0.644], df[0.673,0.028], g[0.910,0.021]
1/1 [=====] - 0s 191ms/step
>5443, dr[0.652,0.715], df[0.692,0.023], g[0.802,0.039]
1/1 [=====] - 0s 188ms/step
>5444, dr[0.653,0.446], df[0.648,0.043], g[0.788,0.021]
1/1 [=====] - 0s 196ms/step
>5445, dr[0.608,0.431], df[0.739,0.032], g[0.858,0.021]
1/1 [=====] - 0s 195ms/step
>5446, dr[0.679,0.392], df[0.654,0.037], g[0.814,0.027]
1/1 [=====] - 0s 191ms/step
>5447, dr[0.721,0.649], df[0.692,0.026], g[0.760,0.024]
1/1 [=====] - 0s 193ms/step
>5448, dr[0.650,0.241], df[0.693,0.014], g[0.851,0.029]
1/1 [=====] - 0s 190ms/step
>5449, dr[0.738,0.406], df[0.648,0.036], g[0.785,0.051]
1/1 [=====] - 0s 192ms/step
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>5450, dr[0.763,0.549], df[0.726,0.019], g[0.809,0.039]
1/1 [=====] - 0s 194ms/step
>5451, dr[0.631,0.419], df[0.687,0.040], g[0.816,0.021]
1/1 [=====] - 0s 190ms/step
>5452, dr[0.619,0.683], df[0.722,0.034], g[0.803,0.033]
1/1 [=====] - 0s 191ms/step
>5453, dr[0.712,1.060], df[0.705,0.021], g[0.807,0.059]
1/1 [=====] - 0s 197ms/step
>5454, dr[0.609,0.518], df[0.724,0.020], g[0.816,0.015]
1/1 [=====] - 0s 201ms/step
>5455, dr[0.638,0.265], df[0.791,0.041], g[0.871,0.021]
1/1 [=====] - 0s 203ms/step
>5456, dr[0.741,0.299], df[0.685,0.059], g[0.814,0.035]
1/1 [=====] - 0s 210ms/step
>5457, dr[0.783,0.730], df[0.715,0.017], g[0.770,0.025]
1/1 [=====] - 0s 202ms/step
>5458, dr[0.625,0.421], df[0.743,0.009], g[0.803,0.031]
1/1 [=====] - 0s 212ms/step
>5459, dr[0.659,0.209], df[0.637,0.027], g[0.843,0.022]
1/1 [=====] - 0s 208ms/step
>5460, dr[0.654,0.559], df[0.675,0.023], g[0.753,0.025]
1/1 [=====] - 0s 198ms/step
>5461, dr[0.713,0.310], df[0.651,0.025], g[0.872,0.043]
1/1 [=====] - 0s 197ms/step
>5462, dr[0.671,0.458], df[0.646,0.026], g[0.777,0.036]
1/1 [=====] - 0s 198ms/step
>5463, dr[0.688,0.626], df[0.685,0.039], g[0.846,0.027]
1/1 [=====] - 0s 195ms/step
>5464, dr[0.700,0.420], df[0.705,0.026], g[0.771,0.030]
1/1 [=====] - 0s 192ms/step
>5465, dr[0.576,0.323], df[0.747,0.032], g[0.825,0.032]
1/1 [=====] - 0s 193ms/step
>5466, dr[0.702,0.409], df[0.732,0.037], g[0.784,0.020]
1/1 [=====] - 0s 194ms/step
>5467, dr[0.818,0.624], df[0.668,0.044], g[0.918,0.030]
1/1 [=====] - 0s 192ms/step
>5468, dr[0.626,0.468], df[0.685,0.017], g[0.786,0.023]
1/1 [=====] - 0s 193ms/step
>5469, dr[0.627,0.413], df[0.759,0.037], g[0.861,0.022]
1/1 [=====] - 0s 194ms/step
>5470, dr[0.623,0.544], df[0.717,0.029], g[0.886,0.024]
1/1 [=====] - 0s 191ms/step
>5471, dr[0.701,0.302], df[0.748,0.035], g[0.787,0.028]
1/1 [=====] - 0s 190ms/step
>5472, dr[0.748,0.415], df[0.623,0.016], g[0.835,0.028]
1/1 [=====] - 0s 191ms/step
>5473, dr[0.710,0.328], df[0.752,0.033], g[0.866,0.032]
1/1 [=====] - 0s 190ms/step
>5474, dr[0.648,0.312], df[0.681,0.028], g[0.795,0.021]
1/1 [=====] - 0s 191ms/step
>5475, dr[0.723,0.309], df[0.719,0.023], g[0.904,0.034]
1/1 [=====] - 0s 192ms/step
>5476, dr[0.638,0.471], df[0.728,0.021], g[0.882,0.058]
1/1 [=====] - 0s 200ms/step
>5477, dr[0.709,0.505], df[0.650,0.018], g[0.847,0.029]
1/1 [=====] - 0s 190ms/step
>5478, dr[0.584,0.336], df[0.709,0.026], g[0.844,0.031]
1/1 [=====] - 0s 196ms/step
>5479, dr[0.679,0.409], df[0.696,0.025], g[0.843,0.025]
1/1 [=====] - 0s 192ms/step
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>5480, dr[0.687,0.693], df[0.718,0.022], g[0.811,0.037]
1/1 [=====] - 0s 189ms/step
>5481, dr[0.641,0.370], df[0.675,0.023], g[0.862,0.019]
1/1 [=====] - 0s 188ms/step
>5482, dr[0.753,0.295], df[0.639,0.014], g[0.765,0.027]
1/1 [=====] - 0s 190ms/step
>5483, dr[0.599,0.513], df[0.684,0.030], g[0.851,0.021]
1/1 [=====] - 0s 200ms/step
>5484, dr[0.623,0.475], df[0.710,0.020], g[0.838,0.016]
1/1 [=====] - 0s 196ms/step
>5485, dr[0.738,0.382], df[0.685,0.033], g[0.834,0.023]
1/1 [=====] - 0s 221ms/step
>5486, dr[0.645,0.349], df[0.649,0.019], g[0.895,0.027]
1/1 [=====] - 0s 197ms/step
>5487, dr[0.777,0.397], df[0.697,0.032], g[0.861,0.036]
1/1 [=====] - 0s 201ms/step
>5488, dr[0.635,0.600], df[0.597,0.039], g[0.861,0.027]
1/1 [=====] - 0s 209ms/step
>5489, dr[0.642,0.284], df[0.624,0.022], g[0.835,0.051]
1/1 [=====] - 0s 197ms/step
>5490, dr[0.716,0.474], df[0.628,0.046], g[0.830,0.018]
1/1 [=====] - 0s 194ms/step
>5491, dr[0.673,0.210], df[0.786,0.066], g[0.922,0.018]
1/1 [=====] - 0s 192ms/step
>5492, dr[0.703,0.549], df[0.723,0.038], g[0.894,0.027]
1/1 [=====] - 0s 190ms/step
>5493, dr[0.654,0.360], df[0.680,0.016], g[0.895,0.016]
1/1 [=====] - 0s 197ms/step
>5494, dr[0.634,0.378], df[0.716,0.043], g[0.898,0.034]
1/1 [=====] - 0s 188ms/step
>5495, dr[0.667,0.893], df[0.707,0.030], g[0.847,0.045]
1/1 [=====] - 0s 190ms/step
>5496, dr[0.779,0.439], df[0.606,0.020], g[0.838,0.019]
1/1 [=====] - 0s 190ms/step
>5497, dr[0.711,0.448], df[0.757,0.034], g[0.824,0.026]
1/1 [=====] - 0s 195ms/step
>5498, dr[0.653,0.176], df[0.600,0.020], g[0.806,0.032]
1/1 [=====] - 0s 192ms/step
>5499, dr[0.629,0.413], df[0.752,0.020], g[0.811,0.030]
1/1 [=====] - 0s 192ms/step
>5500, dr[0.764,0.696], df[0.648,0.030], g[0.771,0.037]
1/1 [=====] - 0s 192ms/step
>5501, dr[0.700,0.396], df[0.666,0.016], g[0.845,0.019]
1/1 [=====] - 0s 197ms/step
>5502, dr[0.660,0.274], df[0.676,0.028], g[0.788,0.031]
1/1 [=====] - 0s 197ms/step
>5503, dr[0.671,0.421], df[0.725,0.020], g[0.814,0.028]
1/1 [=====] - 0s 192ms/step
>5504, dr[0.678,0.318], df[0.737,0.035], g[0.836,0.017]
1/1 [=====] - 0s 194ms/step
>5505, dr[0.659,0.416], df[0.723,0.019], g[0.798,0.026]
1/1 [=====] - 0s 192ms/step
>5506, dr[0.679,0.195], df[0.684,0.021], g[0.869,0.030]
1/1 [=====] - 0s 191ms/step
>5507, dr[0.584,0.435], df[0.752,0.017], g[0.809,0.037]
1/1 [=====] - 0s 189ms/step
>5508, dr[0.764,0.338], df[0.670,0.016], g[0.875,0.024]
1/1 [=====] - 0s 193ms/step
>5509, dr[0.632,0.569], df[0.711,0.039], g[0.813,0.049]
1/1 [=====] - 0s 192ms/step
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>5510, dr[0.689,0.396], df[0.676,0.023], g[0.799,0.030]
1/1 [=====] - 0s 210ms/step
>5511, dr[0.688,0.492], df[0.761,0.022], g[0.802,0.035]
1/1 [=====] - 0s 221ms/step
>5512, dr[0.693,0.405], df[0.642,0.032], g[0.841,0.020]
1/1 [=====] - 0s 218ms/step
>5513, dr[0.695,0.698], df[0.677,0.014], g[0.786,0.045]
1/1 [=====] - 0s 209ms/step
>5514, dr[0.664,0.575], df[0.671,0.038], g[0.805,0.017]
1/1 [=====] - 0s 201ms/step
>5515, dr[0.684,0.452], df[0.775,0.014], g[0.811,0.034]
1/1 [=====] - 0s 194ms/step
>5516, dr[0.732,0.397], df[0.663,0.039], g[0.791,0.037]
1/1 [=====] - 0s 191ms/step
>5517, dr[0.643,0.394], df[0.788,0.075], g[0.765,0.028]
1/1 [=====] - 0s 202ms/step
>5518, dr[0.730,0.526], df[0.706,0.048], g[0.833,0.028]
1/1 [=====] - 0s 191ms/step
>5519, dr[0.733,0.545], df[0.673,0.020], g[0.798,0.022]
1/1 [=====] - 0s 203ms/step
>5520, dr[0.711,0.376], df[0.705,0.020], g[0.851,0.039]
1/1 [=====] - 0s 195ms/step
>5521, dr[0.744,0.458], df[0.705,0.039], g[0.831,0.026]
1/1 [=====] - 0s 195ms/step
>5522, dr[0.725,0.627], df[0.661,0.036], g[0.764,0.021]
1/1 [=====] - 0s 195ms/step
>5523, dr[0.641,0.389], df[0.608,0.036], g[0.801,0.033]
1/1 [=====] - 0s 191ms/step
>5524, dr[0.649,0.407], df[0.660,0.036], g[0.800,0.019]
1/1 [=====] - 0s 195ms/step
>5525, dr[0.669,0.474], df[0.728,0.065], g[0.811,0.027]
1/1 [=====] - 0s 191ms/step
>5526, dr[0.619,0.620], df[0.652,0.021], g[0.869,0.034]
1/1 [=====] - 0s 190ms/step
>5527, dr[0.692,0.287], df[0.602,0.103], g[0.788,0.032]
1/1 [=====] - 0s 191ms/step
>5528, dr[0.683,0.469], df[0.763,0.025], g[0.850,0.016]
1/1 [=====] - 0s 190ms/step
>5529, dr[0.704,0.392], df[0.671,0.009], g[0.749,0.023]
1/1 [=====] - 0s 192ms/step
>5530, dr[0.731,0.228], df[0.730,0.031], g[0.800,0.032]
1/1 [=====] - 0s 204ms/step
>5531, dr[0.670,0.526], df[0.643,0.011], g[0.791,0.026]
1/1 [=====] - 0s 193ms/step
>5532, dr[0.628,0.345], df[0.782,0.038], g[0.826,0.082]
1/1 [=====] - 0s 201ms/step
>5533, dr[0.665,0.252], df[0.731,0.035], g[0.844,0.042]
1/1 [=====] - 0s 199ms/step
>5534, dr[0.621,0.754], df[0.706,0.021], g[0.797,0.022]
1/1 [=====] - 0s 190ms/step
>5535, dr[0.693,0.346], df[0.680,0.048], g[0.844,0.030]
1/1 [=====] - 0s 192ms/step
>5536, dr[0.756,0.553], df[0.643,0.044], g[0.921,0.045]
1/1 [=====] - 0s 192ms/step
>5537, dr[0.633,0.458], df[0.619,0.035], g[0.853,0.036]
1/1 [=====] - 0s 194ms/step
>5538, dr[0.741,0.379], df[0.714,0.025], g[0.828,0.043]
1/1 [=====] - 0s 192ms/step
>5539, dr[0.661,0.516], df[0.762,0.033], g[0.848,0.022]
1/1 [=====] - 0s 194ms/step
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>5540, dr[0.678,0.272], df[0.770,0.024], g[0.771,0.026]
1/1 [=====] - 0s 196ms/step
>5541, dr[0.666,0.354], df[0.692,0.029], g[0.850,0.022]
1/1 [=====] - 0s 192ms/step
>5542, dr[0.669,0.954], df[0.758,0.015], g[0.795,0.025]
1/1 [=====] - 0s 189ms/step
>5543, dr[0.749,0.849], df[0.655,0.017], g[0.865,0.019]
1/1 [=====] - 0s 193ms/step
>5544, dr[0.657,0.620], df[0.605,0.024], g[0.783,0.029]
1/1 [=====] - 0s 194ms/step
>5545, dr[0.707,0.311], df[0.657,0.029], g[0.773,0.035]
1/1 [=====] - 0s 192ms/step
>5546, dr[0.693,1.015], df[0.769,0.038], g[0.814,0.038]
1/1 [=====] - 0s 191ms/step
>5547, dr[0.672,0.622], df[0.639,0.028], g[0.786,0.045]
1/1 [=====] - 0s 192ms/step
>5548, dr[0.717,0.395], df[0.686,0.017], g[0.808,0.028]
1/1 [=====] - 0s 194ms/step
>5549, dr[0.700,0.268], df[0.704,0.024], g[0.820,0.024]
1/1 [=====] - 0s 190ms/step
>5550, dr[0.670,0.367], df[0.670,0.020], g[0.827,0.034]
1/1 [=====] - 0s 193ms/step
>5551, dr[0.656,0.493], df[0.726,0.020], g[0.797,0.031]
1/1 [=====] - 0s 199ms/step
>5552, dr[0.626,0.527], df[0.645,0.039], g[0.895,0.039]
1/1 [=====] - 0s 203ms/step
>5553, dr[0.639,0.465], df[0.775,0.012], g[0.883,0.019]
1/1 [=====] - 0s 198ms/step
>5554, dr[0.671,0.437], df[0.777,0.016], g[0.830,0.053]
1/1 [=====] - 0s 197ms/step
>5555, dr[0.778,0.418], df[0.734,0.020], g[0.795,0.019]
1/1 [=====] - 0s 196ms/step
>5556, dr[0.634,0.283], df[0.616,0.052], g[0.833,0.032]
1/1 [=====] - 0s 203ms/step
>5557, dr[0.695,0.366], df[0.625,0.022], g[0.823,0.040]
1/1 [=====] - 0s 200ms/step
>5558, dr[0.702,0.941], df[0.593,0.019], g[0.847,0.019]
1/1 [=====] - 0s 207ms/step
>5559, dr[0.660,0.515], df[0.690,0.027], g[0.766,0.023]
1/1 [=====] - 0s 195ms/step
>5560, dr[0.672,0.530], df[0.666,0.023], g[0.780,0.014]
1/1 [=====] - 0s 259ms/step
>5561, dr[0.573,0.424], df[0.687,0.014], g[0.828,0.021]
1/1 [=====] - 0s 227ms/step
>5562, dr[0.670,0.367], df[0.670,0.019], g[0.808,0.015]
1/1 [=====] - 0s 204ms/step
>5563, dr[0.597,0.498], df[0.611,0.022], g[0.859,0.026]
1/1 [=====] - 0s 203ms/step
>5564, dr[0.744,0.477], df[0.844,0.017], g[0.830,0.032]
1/1 [=====] - 0s 200ms/step
>5565, dr[0.603,0.249], df[0.692,0.030], g[0.794,0.036]
1/1 [=====] - 0s 206ms/step
>5566, dr[0.678,0.231], df[0.608,0.011], g[0.790,0.035]
1/1 [=====] - 0s 196ms/step
>5567, dr[0.803,0.727], df[0.667,0.021], g[0.695,0.033]
1/1 [=====] - 0s 199ms/step
>5568, dr[0.622,0.419], df[0.728,0.033], g[0.758,0.027]
1/1 [=====] - 0s 197ms/step
>5569, dr[0.619,0.833], df[0.630,0.035], g[0.808,0.035]
1/1 [=====] - 0s 194ms/step
```

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>5570, dr[0.617,0.392], df[0.689,0.033], g[0.760,0.032]
1/1 [=====] - 0s 195ms/step
>5571, dr[0.667,0.638], df[0.725,0.019], g[0.772,0.023]
1/1 [=====] - 0s 194ms/step
>5572, dr[0.588,0.376], df[0.626,0.020], g[0.815,0.029]
1/1 [=====] - 0s 194ms/step
>5573, dr[0.736,0.323], df[0.657,0.098], g[0.826,0.019]
1/1 [=====] - 0s 193ms/step
>5574, dr[0.675,0.618], df[0.678,0.052], g[0.769,0.026]
1/1 [=====] - 0s 193ms/step
>5575, dr[0.737,0.729], df[0.668,0.043], g[0.796,0.020]
1/1 [=====] - 0s 196ms/step
>5576, dr[0.636,0.492], df[0.728,0.018], g[0.796,0.045]
1/1 [=====] - 0s 196ms/step
>5577, dr[0.563,0.579], df[0.696,0.019], g[0.769,0.043]
1/1 [=====] - 0s 197ms/step
>5578, dr[0.675,0.428], df[0.696,0.042], g[0.801,0.012]
1/1 [=====] - 0s 209ms/step
>5579, dr[0.705,0.240], df[0.659,0.020], g[0.802,0.028]
1/1 [=====] - 0s 192ms/step
>5580, dr[0.704,0.469], df[0.733,0.014], g[0.801,0.019]
1/1 [=====] - 0s 192ms/step
>5581, dr[0.663,0.596], df[0.752,0.036], g[0.756,0.017]
1/1 [=====] - 0s 214ms/step
>5582, dr[0.657,0.620], df[0.637,0.039], g[0.873,0.072]
1/1 [=====] - 0s 204ms/step
>5583, dr[0.624,0.337], df[0.742,0.023], g[0.836,0.020]
1/1 [=====] - 0s 199ms/step
>5584, dr[0.701,0.439], df[0.686,0.035], g[0.882,0.026]
1/1 [=====] - 0s 195ms/step
>5585, dr[0.688,0.494], df[0.769,0.024], g[0.834,0.029]
1/1 [=====] - 0s 193ms/step
>5586, dr[0.663,0.750], df[0.724,0.023], g[0.828,0.022]
1/1 [=====] - 0s 195ms/step
>5587, dr[0.753,0.274], df[0.662,0.072], g[0.817,0.054]
1/1 [=====] - 0s 215ms/step
>5588, dr[0.666,0.393], df[0.695,0.019], g[0.808,0.044]
1/1 [=====] - 0s 193ms/step
>5589, dr[0.594,0.596], df[0.733,0.026], g[0.897,0.029]
1/1 [=====] - 0s 194ms/step
>5590, dr[0.708,0.353], df[0.745,0.033], g[0.829,0.026]
1/1 [=====] - 0s 191ms/step
>5591, dr[0.703,0.917], df[0.618,0.018], g[0.839,0.013]
1/1 [=====] - 0s 193ms/step
>5592, dr[0.784,0.654], df[0.717,0.020], g[0.770,0.022]
1/1 [=====] - 0s 191ms/step
>5593, dr[0.678,0.345], df[0.644,0.054], g[0.778,0.040]
1/1 [=====] - 0s 199ms/step
>5594, dr[0.712,0.621], df[0.718,0.020], g[0.801,0.023]
1/1 [=====] - 0s 203ms/step
>5595, dr[0.712,0.424], df[0.648,0.025], g[0.794,0.027]
1/1 [=====] - 0s 203ms/step
>5596, dr[0.628,0.514], df[0.672,0.021], g[0.878,0.070]
1/1 [=====] - 0s 214ms/step
>5597, dr[0.642,0.105], df[0.760,0.035], g[0.788,0.021]
1/1 [=====] - 0s 270ms/step
>5598, dr[0.779,0.654], df[0.721,0.034], g[0.788,0.017]
1/1 [=====] - 0s 241ms/step
>5599, dr[0.677,0.447], df[0.666,0.022], g[0.792,0.025]
1/1 [=====] - 0s 357ms/step
```

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>5600, dr[0.736,0.285], df[0.721,0.012], g[0.845,0.024]
1/1 [=====] - 0s 259ms/step
>5601, dr[0.647,0.495], df[0.676,0.017], g[0.825,0.050]
1/1 [=====] - 0s 226ms/step
>5602, dr[0.677,0.332], df[0.670,0.029], g[0.815,0.023]
1/1 [=====] - 0s 225ms/step
>5603, dr[0.689,0.185], df[0.722,0.046], g[0.812,0.059]
1/1 [=====] - 0s 215ms/step
>5604, dr[0.675,0.667], df[0.717,0.029], g[0.881,0.018]
1/1 [=====] - 0s 241ms/step
>5605, dr[0.686,0.167], df[0.756,0.025], g[0.833,0.035]
1/1 [=====] - 0s 205ms/step
>5606, dr[0.698,0.462], df[0.691,0.014], g[0.834,0.053]
1/1 [=====] - 0s 213ms/step
>5607, dr[0.610,0.311], df[0.654,0.025], g[0.769,0.029]
1/1 [=====] - 0s 201ms/step
>5608, dr[0.636,0.541], df[0.633,0.015], g[0.781,0.032]
1/1 [=====] - 0s 204ms/step
>5609, dr[0.645,0.530], df[0.656,0.015], g[0.765,0.014]
1/1 [=====] - 0s 203ms/step
>5610, dr[0.694,0.258], df[0.707,0.027], g[0.784,0.021]
1/1 [=====] - 0s 209ms/step
>5611, dr[0.521,0.357], df[0.643,0.009], g[0.800,0.016]
1/1 [=====] - 0s 199ms/step
>5612, dr[0.654,0.508], df[0.631,0.055], g[0.749,0.033]
1/1 [=====] - 0s 223ms/step
>5613, dr[0.650,0.421], df[0.758,0.039], g[0.889,0.024]
1/1 [=====] - 0s 205ms/step
>5614, dr[0.626,0.516], df[0.746,0.028], g[0.848,0.051]
1/1 [=====] - 0s 217ms/step
>5615, dr[0.713,0.478], df[0.725,0.020], g[0.818,0.035]
1/1 [=====] - 0s 220ms/step
>5616, dr[0.655,0.302], df[0.651,0.036], g[0.835,0.045]
1/1 [=====] - 0s 209ms/step
>5617, dr[0.676,0.368], df[0.752,0.012], g[0.820,0.060]
1/1 [=====] - 0s 197ms/step
>5618, dr[0.638,0.477], df[0.691,0.017], g[0.782,0.049]
1/1 [=====] - 0s 265ms/step
>5619, dr[0.725,0.242], df[0.726,0.027], g[0.804,0.019]
1/1 [=====] - 0s 249ms/step
>5620, dr[0.652,0.269], df[0.609,0.022], g[0.824,0.020]
1/1 [=====] - 0s 224ms/step
>5621, dr[0.736,0.298], df[0.835,0.037], g[0.849,0.047]
1/1 [=====] - 0s 198ms/step
>5622, dr[0.716,0.649], df[0.760,0.019], g[0.847,0.034]
4/4 [=====] - 1s 139ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_5622.png and model_5622.h5
1/1 [=====] - 0s 245ms/step
>5623, dr[0.720,0.339], df[0.726,0.022], g[0.848,0.019]
1/1 [=====] - 0s 205ms/step
>5624, dr[0.677,0.355], df[0.709,0.028], g[0.869,0.018]
1/1 [=====] - 0s 269ms/step
>5625, dr[0.703,0.576], df[0.687,0.029], g[0.798,0.060]
1/1 [=====] - 0s 210ms/step
>5626, dr[0.683,0.254], df[0.693,0.061], g[0.815,0.049]
1/1 [=====] - 0s 210ms/step
>5627, dr[0.597,0.493], df[0.592,0.013], g[0.819,0.032]
1/1 [=====] - 0s 221ms/step
```

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>5628, dr[0.776,0.437], df[0.667,0.032], g[0.783,0.033]
1/1 [=====] - 0s 200ms/step
>5629, dr[0.660,0.394], df[0.703,0.024], g[0.854,0.032]
1/1 [=====] - 0s 199ms/step
>5630, dr[0.619,0.425], df[0.797,0.067], g[0.792,0.014]
1/1 [=====] - 0s 199ms/step
>5631, dr[0.752,0.647], df[0.739,0.020], g[0.832,0.023]
1/1 [=====] - 0s 196ms/step
>5632, dr[0.645,0.260], df[0.777,0.050], g[0.874,0.021]
1/1 [=====] - 0s 196ms/step
>5633, dr[0.695,0.311], df[0.561,0.020], g[0.892,0.053]
1/1 [=====] - 0s 209ms/step
>5634, dr[0.710,0.378], df[0.656,0.021], g[0.741,0.030]
1/1 [=====] - 0s 207ms/step
>5635, dr[0.684,0.380], df[0.667,0.033], g[0.872,0.030]
1/1 [=====] - 0s 194ms/step
>5636, dr[0.668,0.610], df[0.726,0.031], g[0.752,0.032]
1/1 [=====] - 0s 204ms/step
>5637, dr[0.575,0.493], df[0.681,0.038], g[0.856,0.025]
1/1 [=====] - 0s 201ms/step
>5638, dr[0.727,0.212], df[0.717,0.038], g[0.817,0.053]
1/1 [=====] - 0s 202ms/step
>5639, dr[0.673,0.422], df[0.637,0.029], g[0.821,0.032]
1/1 [=====] - 0s 195ms/step
>5640, dr[0.686,0.621], df[0.702,0.013], g[0.820,0.031]
1/1 [=====] - 0s 193ms/step
>5641, dr[0.663,0.616], df[0.708,0.017], g[0.762,0.019]
1/1 [=====] - 0s 214ms/step
>5642, dr[0.680,0.541], df[0.744,0.028], g[0.782,0.033]
1/1 [=====] - 0s 196ms/step
>5643, dr[0.704,0.237], df[0.691,0.027], g[0.805,0.020]
1/1 [=====] - 0s 204ms/step
>5644, dr[0.709,0.477], df[0.703,0.017], g[0.776,0.027]
1/1 [=====] - 0s 206ms/step
>5645, dr[0.770,0.759], df[0.703,0.015], g[0.800,0.062]
1/1 [=====] - 0s 212ms/step
>5646, dr[0.647,0.325], df[0.776,0.018], g[0.772,0.036]
1/1 [=====] - 0s 195ms/step
>5647, dr[0.639,0.478], df[0.828,0.020], g[0.821,0.020]
1/1 [=====] - 0s 195ms/step
>5648, dr[0.740,0.515], df[0.651,0.028], g[0.793,0.028]
1/1 [=====] - 0s 198ms/step
>5649, dr[0.654,0.371], df[0.633,0.019], g[0.839,0.037]
1/1 [=====] - 0s 293ms/step
>5650, dr[0.759,0.402], df[0.686,0.012], g[0.797,0.025]
1/1 [=====] - 0s 438ms/step
>5651, dr[0.564,0.385], df[0.728,0.034], g[0.829,0.031]
1/1 [=====] - 0s 492ms/step
>5652, dr[0.640,0.317], df[0.710,0.021], g[0.852,0.021]
1/1 [=====] - 1s 589ms/step
>5653, dr[0.680,0.310], df[0.709,0.026], g[0.855,0.034]
1/1 [=====] - 0s 463ms/step
>5654, dr[0.806,0.461], df[0.741,0.027], g[0.823,0.049]
1/1 [=====] - 0s 459ms/step
>5655, dr[0.714,0.554], df[0.707,0.023], g[0.832,0.033]
1/1 [=====] - 0s 367ms/step
>5656, dr[0.679,0.558], df[0.683,0.030], g[0.780,0.026]
1/1 [=====] - 0s 218ms/step
>5657, dr[0.661,0.214], df[0.759,0.024], g[0.835,0.019]
1/1 [=====] - 0s 213ms/step
```

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>5658, dr[0.682,0.534], df[0.695,0.008], g[0.796,0.016]
1/1 [=====] - 0s 233ms/step
>5659, dr[0.650,0.553], df[0.683,0.011], g[0.775,0.023]
1/1 [=====] - 0s 206ms/step
>5660, dr[0.699,0.552], df[0.661,0.021], g[0.885,0.033]
1/1 [=====] - 0s 233ms/step
>5661, dr[0.614,0.200], df[0.662,0.015], g[0.863,0.021]
1/1 [=====] - 0s 208ms/step
>5662, dr[0.651,0.390], df[0.601,0.018], g[0.936,0.023]
1/1 [=====] - 0s 207ms/step
>5663, dr[0.734,0.369], df[0.700,0.021], g[0.779,0.035]
1/1 [=====] - 0s 206ms/step
>5664, dr[0.718,0.320], df[0.661,0.026], g[0.799,0.027]
1/1 [=====] - 0s 201ms/step
>5665, dr[0.713,0.433], df[0.871,0.017], g[0.774,0.043]
1/1 [=====] - 0s 208ms/step
>5666, dr[0.717,0.373], df[0.677,0.018], g[0.806,0.024]
1/1 [=====] - 0s 206ms/step
>5667, dr[0.636,0.456], df[0.650,0.015], g[0.835,0.031]
1/1 [=====] - 0s 232ms/step
>5668, dr[0.675,0.895], df[0.719,0.038], g[0.869,0.025]
1/1 [=====] - 0s 217ms/step
>5669, dr[0.588,0.093], df[0.674,0.021], g[0.765,0.018]
1/1 [=====] - 0s 213ms/step
>5670, dr[0.649,0.635], df[0.729,0.032], g[0.812,0.032]
1/1 [=====] - 0s 356ms/step
>5671, dr[0.730,0.409], df[0.701,0.017], g[0.820,0.027]
1/1 [=====] - 0s 212ms/step
>5672, dr[0.705,0.293], df[0.735,0.047], g[0.814,0.030]
1/1 [=====] - 0s 214ms/step
>5673, dr[0.761,0.542], df[0.768,0.014], g[0.787,0.024]
1/1 [=====] - 0s 208ms/step
>5674, dr[0.684,0.242], df[0.662,0.029], g[0.823,0.048]
1/1 [=====] - 0s 215ms/step
>5675, dr[0.667,0.482], df[0.697,0.018], g[0.785,0.031]
1/1 [=====] - 0s 269ms/step
>5676, dr[0.654,0.949], df[0.662,0.028], g[0.800,0.027]
1/1 [=====] - 0s 205ms/step
>5677, dr[0.600,0.312], df[0.655,0.021], g[0.860,0.033]
1/1 [=====] - 0s 269ms/step
>5678, dr[0.660,0.553], df[0.721,0.049], g[0.815,0.027]
1/1 [=====] - 0s 475ms/step
>5679, dr[0.633,0.430], df[0.673,0.022], g[0.797,0.047]
1/1 [=====] - 0s 244ms/step
>5680, dr[0.708,0.453], df[0.662,0.044], g[0.772,0.026]
1/1 [=====] - 0s 376ms/step
>5681, dr[0.661,0.762], df[0.661,0.045], g[0.801,0.029]
1/1 [=====] - 0s 227ms/step
>5682, dr[0.713,0.396], df[0.736,0.018], g[0.757,0.052]
1/1 [=====] - 0s 233ms/step
>5683, dr[0.695,0.359], df[0.740,0.025], g[0.922,0.023]
1/1 [=====] - 0s 287ms/step
>5684, dr[0.690,0.295], df[0.734,0.054], g[0.903,0.040]
1/1 [=====] - 0s 261ms/step
>5685, dr[0.764,0.600], df[0.673,0.026], g[0.839,0.029]
1/1 [=====] - 0s 229ms/step
>5686, dr[0.637,0.267], df[0.697,0.028], g[0.855,0.038]
1/1 [=====] - 0s 229ms/step
>5687, dr[0.689,0.570], df[0.638,0.033], g[0.882,0.030]
1/1 [=====] - 0s 264ms/step
```

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>5688, dr[0.615,0.301], df[0.660,0.024], g[0.783,0.035]
1/1 [=====] - 0s 247ms/step
>5689, dr[0.675,0.699], df[0.706,0.021], g[0.832,0.022]
1/1 [=====] - 0s 207ms/step
>5690, dr[0.680,0.417], df[0.671,0.026], g[0.821,0.028]
1/1 [=====] - 0s 216ms/step
>5691, dr[0.715,0.419], df[0.735,0.060], g[0.845,0.026]
1/1 [=====] - 0s 214ms/step
>5692, dr[0.700,0.303], df[0.614,0.021], g[0.835,0.035]
1/1 [=====] - 0s 218ms/step
>5693, dr[0.715,0.286], df[0.630,0.062], g[0.803,0.026]
1/1 [=====] - 0s 239ms/step
>5694, dr[0.667,0.438], df[0.703,0.017], g[0.804,0.025]
1/1 [=====] - 0s 229ms/step
>5695, dr[0.664,0.246], df[0.719,0.026], g[0.810,0.023]
1/1 [=====] - 0s 221ms/step
>5696, dr[0.638,0.323], df[0.708,0.028], g[0.841,0.030]
1/1 [=====] - 0s 227ms/step
>5697, dr[0.642,0.744], df[0.630,0.035], g[0.855,0.053]
1/1 [=====] - 0s 205ms/step
>5698, dr[0.758,0.745], df[0.648,0.017], g[0.769,0.034]
1/1 [=====] - 0s 197ms/step
>5699, dr[0.659,0.172], df[0.752,0.029], g[0.821,0.033]
1/1 [=====] - 0s 199ms/step
>5700, dr[0.687,0.405], df[0.674,0.050], g[0.779,0.020]
1/1 [=====] - 0s 192ms/step
>5701, dr[0.686,0.413], df[0.664,0.020], g[0.769,0.036]
1/1 [=====] - 0s 202ms/step
>5702, dr[0.675,0.458], df[0.657,0.034], g[0.793,0.071]
1/1 [=====] - 0s 201ms/step
>5703, dr[0.745,0.298], df[0.690,0.025], g[0.828,0.043]
1/1 [=====] - 0s 199ms/step
>5704, dr[0.684,0.406], df[0.731,0.018], g[0.791,0.048]
1/1 [=====] - 0s 202ms/step
>5705, dr[0.649,0.409], df[0.682,0.040], g[0.795,0.027]
1/1 [=====] - 0s 198ms/step
>5706, dr[0.665,0.480], df[0.623,0.021], g[0.812,0.052]
1/1 [=====] - 0s 213ms/step
>5707, dr[0.679,0.438], df[0.648,0.034], g[0.786,0.048]
1/1 [=====] - 0s 205ms/step
>5708, dr[0.692,0.511], df[0.713,0.042], g[0.794,0.023]
1/1 [=====] - 0s 200ms/step
>5709, dr[0.646,0.280], df[0.735,0.037], g[0.793,0.027]
1/1 [=====] - 0s 203ms/step
>5710, dr[0.628,0.329], df[0.731,0.020], g[0.811,0.017]
1/1 [=====] - 0s 238ms/step
>5711, dr[0.639,0.510], df[0.695,0.013], g[0.791,0.028]
1/1 [=====] - 0s 287ms/step
>5712, dr[0.657,0.513], df[0.749,0.024], g[0.828,0.022]
1/1 [=====] - 0s 226ms/step
>5713, dr[0.624,0.652], df[0.706,0.026], g[0.855,0.031]
1/1 [=====] - 1s 1s/step
>5714, dr[0.638,0.541], df[0.710,0.032], g[0.805,0.028]
1/1 [=====] - 0s 280ms/step
>5715, dr[0.752,0.800], df[0.667,0.028], g[0.843,0.020]
1/1 [=====] - 0s 342ms/step
>5716, dr[0.601,0.352], df[0.640,0.033], g[0.874,0.036]
1/1 [=====] - 0s 224ms/step
>5717, dr[0.697,0.561], df[0.598,0.018], g[0.883,0.044]
1/1 [=====] - 0s 291ms/step
```

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>5718, dr[0.654,0.282], df[0.699,0.019], g[0.784,0.030]
1/1 [=====] - 0s 222ms/step
>5719, dr[0.712,0.380], df[0.720,0.028], g[0.812,0.034]
1/1 [=====] - 0s 230ms/step
>5720, dr[0.720,0.384], df[0.698,0.027], g[0.777,0.025]
1/1 [=====] - 0s 218ms/step
>5721, dr[0.633,0.600], df[0.725,0.030], g[0.830,0.027]
1/1 [=====] - 0s 244ms/step
>5722, dr[0.637,0.411], df[0.677,0.029], g[0.788,0.025]
1/1 [=====] - 0s 278ms/step
>5723, dr[0.684,0.430], df[0.671,0.024], g[0.783,0.048]
1/1 [=====] - 0s 467ms/step
>5724, dr[0.674,0.351], df[0.647,0.014], g[0.735,0.029]
1/1 [=====] - 0s 215ms/step
>5725, dr[0.735,0.596], df[0.649,0.037], g[0.792,0.041]
1/1 [=====] - 0s 213ms/step
>5726, dr[0.649,0.159], df[0.668,0.023], g[0.785,0.028]
1/1 [=====] - 0s 228ms/step
>5727, dr[0.633,0.495], df[0.773,0.065], g[0.863,0.020]
1/1 [=====] - 0s 226ms/step
>5728, dr[0.653,0.700], df[0.705,0.028], g[0.790,0.021]
1/1 [=====] - 0s 215ms/step
>5729, dr[0.755,0.400], df[0.713,0.020], g[0.889,0.022]
1/1 [=====] - 0s 216ms/step
>5730, dr[0.648,0.379], df[0.702,0.024], g[0.830,0.034]
1/1 [=====] - 0s 245ms/step
>5731, dr[0.627,0.725], df[0.799,0.030], g[0.837,0.019]
1/1 [=====] - 0s 202ms/step
>5732, dr[0.718,0.231], df[0.655,0.019], g[0.781,0.019]
1/1 [=====] - 0s 198ms/step
>5733, dr[0.570,0.469], df[0.672,0.028], g[0.825,0.034]
1/1 [=====] - 0s 202ms/step
>5734, dr[0.656,0.178], df[0.687,0.028], g[0.781,0.032]
1/1 [=====] - 0s 240ms/step
>5735, dr[0.660,0.254], df[0.672,0.019], g[0.861,0.022]
1/1 [=====] - 0s 217ms/step
>5736, dr[0.746,0.542], df[0.649,0.023], g[0.816,0.034]
1/1 [=====] - 0s 197ms/step
>5737, dr[0.666,0.605], df[0.785,0.037], g[0.801,0.028]
1/1 [=====] - 0s 203ms/step
>5738, dr[0.663,0.451], df[0.757,0.022], g[0.832,0.020]
1/1 [=====] - 0s 206ms/step
>5739, dr[0.631,0.256], df[0.733,0.027], g[0.866,0.027]
1/1 [=====] - 0s 239ms/step
>5740, dr[0.786,0.434], df[0.667,0.088], g[0.886,0.035]
1/1 [=====] - 0s 213ms/step
>5741, dr[0.675,0.827], df[0.632,0.020], g[0.846,0.034]
1/1 [=====] - 0s 208ms/step
>5742, dr[0.669,0.407], df[0.656,0.031], g[0.822,0.036]
1/1 [=====] - 0s 219ms/step
>5743, dr[0.710,0.926], df[0.713,0.041], g[0.784,0.035]
1/1 [=====] - 0s 233ms/step
>5744, dr[0.693,0.381], df[0.653,0.056], g[0.841,0.048]
1/1 [=====] - 0s 198ms/step
>5745, dr[0.600,0.213], df[0.582,0.022], g[0.836,0.052]
1/1 [=====] - 0s 198ms/step
>5746, dr[0.606,0.340], df[0.740,0.025], g[0.909,0.051]
1/1 [=====] - 0s 199ms/step
>5747, dr[0.720,0.608], df[0.637,0.056], g[0.807,0.033]
1/1 [=====] - 0s 202ms/step
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>5748, dr[0.667,0.409], df[0.692,0.033], g[0.749,0.022]
1/1 [=====] - 0s 212ms/step
>5749, dr[0.666,0.904], df[0.719,0.012], g[0.734,0.020]
1/1 [=====] - 0s 204ms/step
>5750, dr[0.700,0.634], df[0.699,0.039], g[0.729,0.035]
1/1 [=====] - 0s 207ms/step
>5751, dr[0.632,0.473], df[0.740,0.014], g[0.835,0.019]
1/1 [=====] - 0s 200ms/step
>5752, dr[0.752,0.239], df[0.725,0.018], g[0.834,0.016]
1/1 [=====] - 0s 228ms/step
>5753, dr[0.723,0.490], df[0.669,0.019], g[0.812,0.012]
1/1 [=====] - 0s 247ms/step
>5754, dr[0.695,0.497], df[0.616,0.037], g[0.826,0.033]
1/1 [=====] - 0s 212ms/step
>5755, dr[0.637,0.438], df[0.728,0.016], g[0.782,0.038]
1/1 [=====] - 0s 201ms/step
>5756, dr[0.639,0.407], df[0.608,0.028], g[0.730,0.019]
1/1 [=====] - 0s 204ms/step
>5757, dr[0.644,0.208], df[0.725,0.029], g[0.823,0.019]
1/1 [=====] - 0s 221ms/step
>5758, dr[0.729,0.916], df[0.755,0.008], g[0.809,0.034]
1/1 [=====] - 0s 232ms/step
>5759, dr[0.562,0.476], df[0.662,0.037], g[0.848,0.023]
1/1 [=====] - 0s 200ms/step
>5760, dr[0.604,0.400], df[0.647,0.041], g[0.863,0.020]
1/1 [=====] - 0s 202ms/step
>5761, dr[0.632,0.440], df[0.755,0.036], g[0.875,0.013]
1/1 [=====] - 0s 207ms/step
>5762, dr[0.656,0.360], df[0.738,0.039], g[0.814,0.028]
1/1 [=====] - 0s 201ms/step
>5763, dr[0.774,0.563], df[0.703,0.051], g[0.940,0.024]
1/1 [=====] - 0s 202ms/step
>5764, dr[0.727,0.313], df[0.590,0.026], g[0.773,0.023]
1/1 [=====] - 0s 200ms/step
>5765, dr[0.711,0.884], df[0.718,0.020], g[0.799,0.023]
1/1 [=====] - 0s 200ms/step
>5766, dr[0.641,0.221], df[0.719,0.023], g[0.857,0.017]
1/1 [=====] - 0s 205ms/step
>5767, dr[0.647,0.902], df[0.740,0.028], g[0.826,0.026]
1/1 [=====] - 0s 203ms/step
>5768, dr[0.720,0.516], df[0.719,0.018], g[0.910,0.029]
1/1 [=====] - 0s 200ms/step
>5769, dr[0.742,0.529], df[0.723,0.032], g[0.835,0.016]
1/1 [=====] - 0s 204ms/step
>5770, dr[0.769,0.416], df[0.709,0.028], g[0.775,0.032]
1/1 [=====] - 0s 209ms/step
>5771, dr[0.674,0.454], df[0.744,0.026], g[0.788,0.024]
1/1 [=====] - 0s 208ms/step
>5772, dr[0.784,0.572], df[0.726,0.010], g[0.825,0.015]
1/1 [=====] - 0s 208ms/step
>5773, dr[0.639,0.480], df[0.703,0.043], g[0.810,0.043]
1/1 [=====] - 0s 247ms/step
>5774, dr[0.719,0.476], df[0.684,0.015], g[0.836,0.022]
1/1 [=====] - 0s 203ms/step
>5775, dr[0.689,0.317], df[0.644,0.024], g[0.830,0.024]
1/1 [=====] - 0s 202ms/step
>5776, dr[0.697,0.290], df[0.666,0.020], g[0.780,0.025]
1/1 [=====] - 0s 202ms/step
>5777, dr[0.768,0.383], df[0.649,0.025], g[0.791,0.018]
1/1 [=====] - 0s 200ms/step
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>5778, dr[0.727,0.351], df[0.745,0.031], g[0.852,0.025]
1/1 [=====] - 0s 240ms/step
>5779, dr[0.702,0.462], df[0.787,0.033], g[0.764,0.043]
1/1 [=====] - 0s 199ms/step
>5780, dr[0.664,0.503], df[0.693,0.026], g[0.792,0.032]
1/1 [=====] - 0s 202ms/step
>5781, dr[0.715,0.391], df[0.720,0.068], g[0.761,0.032]
1/1 [=====] - 0s 205ms/step
>5782, dr[0.560,0.489], df[0.635,0.019], g[0.821,0.039]
1/1 [=====] - 0s 196ms/step
>5783, dr[0.663,0.328], df[0.631,0.055], g[0.762,0.031]
1/1 [=====] - 0s 203ms/step
>5784, dr[0.683,0.477], df[0.689,0.058], g[0.817,0.023]
1/1 [=====] - 0s 205ms/step
>5785, dr[0.671,0.529], df[0.671,0.027], g[0.784,0.063]
1/1 [=====] - 0s 207ms/step
>5786, dr[0.660,0.159], df[0.693,0.020], g[0.845,0.025]
1/1 [=====] - 0s 205ms/step
>5787, dr[0.724,0.691], df[0.703,0.096], g[0.761,0.020]
1/1 [=====] - 0s 202ms/step
>5788, dr[0.662,0.418], df[0.715,0.016], g[0.818,0.012]
1/1 [=====] - 0s 202ms/step
>5789, dr[0.657,0.245], df[0.668,0.010], g[0.798,0.019]
1/1 [=====] - 0s 201ms/step
>5790, dr[0.675,0.419], df[0.604,0.022], g[0.775,0.018]
1/1 [=====] - 0s 204ms/step
>5791, dr[0.674,0.679], df[0.776,0.071], g[0.751,0.018]
1/1 [=====] - 0s 202ms/step
>5792, dr[0.714,0.634], df[0.670,0.021], g[0.815,0.013]
1/1 [=====] - 0s 206ms/step
>5793, dr[0.639,0.269], df[0.693,0.015], g[0.763,0.017]
1/1 [=====] - 0s 204ms/step
>5794, dr[0.736,0.427], df[0.629,0.046], g[0.784,0.026]
1/1 [=====] - 0s 221ms/step
>5795, dr[0.650,0.257], df[0.743,0.019], g[0.746,0.030]
1/1 [=====] - 0s 203ms/step
>5796, dr[0.578,0.359], df[0.735,0.022], g[0.818,0.016]
1/1 [=====] - 0s 210ms/step
>5797, dr[0.716,0.580], df[0.723,0.036], g[0.838,0.029]
1/1 [=====] - 0s 207ms/step
>5798, dr[0.639,0.483], df[0.690,0.016], g[0.784,0.030]
1/1 [=====] - 0s 202ms/step
>5799, dr[0.687,0.397], df[0.743,0.020], g[0.813,0.031]
1/1 [=====] - 0s 201ms/step
>5800, dr[0.720,0.352], df[0.711,0.050], g[0.859,0.017]
1/1 [=====] - 0s 209ms/step
>5801, dr[0.765,0.586], df[0.684,0.021], g[0.797,0.015]
1/1 [=====] - 0s 205ms/step
>5802, dr[0.659,0.137], df[0.638,0.041], g[0.777,0.025]
1/1 [=====] - 0s 201ms/step
>5803, dr[0.745,0.915], df[0.652,0.015], g[0.800,0.042]
1/1 [=====] - 0s 202ms/step
>5804, dr[0.670,0.588], df[0.642,0.049], g[0.809,0.032]
1/1 [=====] - 0s 219ms/step
>5805, dr[0.677,0.397], df[0.652,0.067], g[0.829,0.019]
1/1 [=====] - 0s 203ms/step
>5806, dr[0.688,0.613], df[0.766,0.021], g[0.780,0.022]
1/1 [=====] - 0s 201ms/step
>5807, dr[0.639,0.364], df[0.680,0.014], g[0.817,0.021]
1/1 [=====] - 0s 200ms/step
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>5808, dr[0.668,0.539], df[0.733,0.016], g[0.794,0.037]
1/1 [=====] - 0s 203ms/step
>5809, dr[0.693,0.458], df[0.827,0.046], g[0.745,0.018]
1/1 [=====] - 0s 207ms/step
>5810, dr[0.679,0.551], df[0.724,0.023], g[0.751,0.026]
1/1 [=====] - 0s 201ms/step
>5811, dr[0.648,0.474], df[0.752,0.018], g[0.874,0.021]
1/1 [=====] - 0s 206ms/step
>5812, dr[0.676,0.502], df[0.686,0.022], g[0.840,0.037]
1/1 [=====] - 0s 207ms/step
>5813, dr[0.703,0.339], df[0.736,0.017], g[0.811,0.023]
1/1 [=====] - 0s 203ms/step
>5814, dr[0.690,0.341], df[0.689,0.027], g[0.823,0.026]
1/1 [=====] - 0s 208ms/step
>5815, dr[0.765,0.210], df[0.682,0.027], g[0.764,0.033]
1/1 [=====] - 0s 201ms/step
>5816, dr[0.670,0.565], df[0.690,0.028], g[0.819,0.039]
1/1 [=====] - 0s 203ms/step
>5817, dr[0.660,0.339], df[0.677,0.016], g[0.875,0.013]
1/1 [=====] - 0s 202ms/step
>5818, dr[0.619,0.673], df[0.729,0.011], g[0.820,0.020]
1/1 [=====] - 0s 257ms/step
>5819, dr[0.664,0.450], df[0.650,0.024], g[0.857,0.016]
1/1 [=====] - 0s 204ms/step
>5820, dr[0.626,0.376], df[0.708,0.026], g[0.770,0.034]
1/1 [=====] - 0s 203ms/step
>5821, dr[0.689,0.328], df[0.662,0.022], g[0.795,0.040]
1/1 [=====] - 0s 222ms/step
>5822, dr[0.718,0.292], df[0.700,0.019], g[0.835,0.035]
1/1 [=====] - 0s 347ms/step
>5823, dr[0.645,0.381], df[0.747,0.020], g[0.799,0.072]
1/1 [=====] - 0s 248ms/step
>5824, dr[0.742,0.295], df[0.650,0.025], g[0.740,0.017]
1/1 [=====] - 0s 253ms/step
>5825, dr[0.587,0.340], df[0.673,0.018], g[0.934,0.012]
1/1 [=====] - 0s 254ms/step
>5826, dr[0.690,0.626], df[0.609,0.030], g[0.781,0.018]
1/1 [=====] - 0s 236ms/step
>5827, dr[0.719,0.314], df[0.746,0.032], g[0.796,0.019]
1/1 [=====] - 0s 243ms/step
>5828, dr[0.675,0.535], df[0.826,0.016], g[0.872,0.027]
1/1 [=====] - 0s 264ms/step
>5829, dr[0.746,0.368], df[0.755,0.027], g[0.811,0.020]
1/1 [=====] - 0s 230ms/step
>5830, dr[0.789,0.353], df[0.644,0.016], g[0.788,0.036]
1/1 [=====] - 0s 215ms/step
>5831, dr[0.722,0.338], df[0.710,0.105], g[0.816,0.015]
1/1 [=====] - 0s 216ms/step
>5832, dr[0.716,0.394], df[0.734,0.031], g[0.853,0.026]
1/1 [=====] - 0s 228ms/step
>5833, dr[0.696,0.467], df[0.709,0.017], g[0.765,0.022]
1/1 [=====] - 0s 223ms/step
>5834, dr[0.723,0.486], df[0.737,0.032], g[0.794,0.031]
1/1 [=====] - 0s 211ms/step
>5835, dr[0.688,0.569], df[0.731,0.039], g[0.758,0.033]
1/1 [=====] - 0s 216ms/step
>5836, dr[0.706,0.467], df[0.793,0.029], g[0.811,0.036]
1/1 [=====] - 0s 203ms/step
>5837, dr[0.743,0.335], df[0.690,0.016], g[0.785,0.023]
1/1 [=====] - 0s 210ms/step
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>5838, dr[0.680,0.255], df[0.687,0.017], g[0.800,0.030]
1/1 [=====] - 0s 198ms/step
>5839, dr[0.684,0.422], df[0.804,0.012], g[0.764,0.019]
1/1 [=====] - 0s 221ms/step
>5840, dr[0.589,0.203], df[0.694,0.042], g[0.752,0.044]
1/1 [=====] - 0s 200ms/step
>5841, dr[0.682,0.505], df[0.738,0.029], g[0.792,0.022]
1/1 [=====] - 0s 202ms/step
>5842, dr[0.631,0.428], df[0.655,0.008], g[0.769,0.032]
1/1 [=====] - 0s 210ms/step
>5843, dr[0.749,0.652], df[0.738,0.026], g[0.840,0.019]
1/1 [=====] - 0s 204ms/step
>5844, dr[0.837,0.597], df[0.795,0.041], g[0.802,0.030]
1/1 [=====] - 0s 206ms/step
>5845, dr[0.701,0.504], df[0.666,0.033], g[0.817,0.031]
1/1 [=====] - 0s 205ms/step
>5846, dr[0.648,0.253], df[0.668,0.025], g[0.834,0.019]
1/1 [=====] - 0s 204ms/step
>5847, dr[0.569,0.804], df[0.624,0.027], g[0.783,0.023]
1/1 [=====] - 0s 204ms/step
>5848, dr[0.640,0.199], df[0.622,0.022], g[0.770,0.046]
1/1 [=====] - 0s 209ms/step
>5849, dr[0.684,0.560], df[0.799,0.037], g[0.791,0.020]
1/1 [=====] - 0s 205ms/step
>5850, dr[0.740,0.244], df[0.760,0.036], g[0.758,0.018]
1/1 [=====] - 0s 214ms/step
>5851, dr[0.717,0.411], df[0.637,0.024], g[0.848,0.020]
1/1 [=====] - 0s 211ms/step
>5852, dr[0.655,0.281], df[0.687,0.032], g[0.828,0.017]
1/1 [=====] - 0s 207ms/step
>5853, dr[0.679,0.424], df[0.605,0.023], g[0.784,0.019]
1/1 [=====] - 0s 202ms/step
>5854, dr[0.658,0.618], df[0.656,0.013], g[0.790,0.024]
1/1 [=====] - 0s 209ms/step
>5855, dr[0.697,0.182], df[0.656,0.021], g[0.776,0.032]
1/1 [=====] - 0s 204ms/step
>5856, dr[0.682,0.505], df[0.745,0.016], g[0.763,0.016]
1/1 [=====] - 0s 205ms/step
>5857, dr[0.609,0.219], df[0.651,0.010], g[0.729,0.039]
1/1 [=====] - 0s 204ms/step
>5858, dr[0.653,0.280], df[0.713,0.012], g[0.763,0.025]
1/1 [=====] - 0s 201ms/step
>5859, dr[0.777,0.429], df[0.616,0.015], g[0.825,0.015]
1/1 [=====] - 0s 205ms/step
>5860, dr[0.619,0.236], df[0.709,0.016], g[0.744,0.017]
1/1 [=====] - 0s 200ms/step
>5861, dr[0.648,0.124], df[0.671,0.018], g[0.778,0.021]
1/1 [=====] - 0s 205ms/step
>5862, dr[0.618,0.417], df[0.622,0.014], g[0.721,0.017]
1/1 [=====] - 0s 202ms/step
>5863, dr[0.634,0.212], df[0.616,0.020], g[0.792,0.024]
1/1 [=====] - 0s 205ms/step
>5864, dr[0.639,0.651], df[0.736,0.020], g[0.762,0.036]
1/1 [=====] - 0s 202ms/step
>5865, dr[0.725,0.619], df[0.716,0.024], g[0.817,0.014]
1/1 [=====] - 0s 203ms/step
>5866, dr[0.692,0.374], df[0.725,0.050], g[0.761,0.023]
1/1 [=====] - 0s 215ms/step
>5867, dr[0.660,0.389], df[0.659,0.026], g[0.816,0.040]
1/1 [=====] - 0s 204ms/step
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>5868, dr[0.618,0.646], df[0.708,0.014], g[0.826,0.017]
1/1 [=====] - 0s 203ms/step
>5869, dr[0.622,0.447], df[0.719,0.023], g[0.805,0.028]
1/1 [=====] - 0s 202ms/step
>5870, dr[0.627,0.492], df[0.765,0.020], g[0.796,0.028]
1/1 [=====] - 0s 207ms/step
>5871, dr[0.675,0.304], df[0.751,0.026], g[0.807,0.014]
1/1 [=====] - 0s 213ms/step
>5872, dr[0.672,0.449], df[0.744,0.030], g[0.896,0.015]
1/1 [=====] - 0s 206ms/step
>5873, dr[0.646,0.244], df[0.580,0.023], g[0.817,0.018]
1/1 [=====] - 0s 206ms/step
>5874, dr[0.768,0.229], df[0.641,0.019], g[0.819,0.034]
1/1 [=====] - 0s 200ms/step
>5875, dr[0.703,0.525], df[0.633,0.010], g[0.857,0.039]
1/1 [=====] - 0s 206ms/step
>5876, dr[0.734,0.175], df[0.691,0.019], g[0.797,0.023]
1/1 [=====] - 0s 210ms/step
>5877, dr[0.591,0.289], df[0.662,0.014], g[0.811,0.021]
1/1 [=====] - 0s 201ms/step
>5878, dr[0.721,0.936], df[0.654,0.006], g[0.822,0.013]
1/1 [=====] - 0s 203ms/step
>5879, dr[0.621,0.338], df[0.738,0.015], g[0.796,0.022]
1/1 [=====] - 0s 201ms/step
>5880, dr[0.517,0.475], df[0.679,0.019], g[0.790,0.019]
1/1 [=====] - 0s 204ms/step
>5881, dr[0.721,0.535], df[0.722,0.106], g[0.796,0.013]
1/1 [=====] - 0s 207ms/step
>5882, dr[0.744,0.393], df[0.643,0.015], g[0.821,0.022]
1/1 [=====] - 0s 202ms/step
>5883, dr[0.712,0.483], df[0.650,0.024], g[0.807,0.023]
1/1 [=====] - 0s 203ms/step
>5884, dr[0.699,0.505], df[0.698,0.027], g[0.775,0.018]
1/1 [=====] - 0s 204ms/step
>5885, dr[0.621,0.429], df[0.681,0.028], g[0.800,0.035]
1/1 [=====] - 0s 206ms/step
>5886, dr[0.679,0.493], df[0.810,0.013], g[0.832,0.027]
1/1 [=====] - 0s 206ms/step
>5887, dr[0.780,0.556], df[0.676,0.030], g[0.701,0.025]
1/1 [=====] - 0s 207ms/step
>5888, dr[0.700,0.318], df[0.655,0.022], g[0.835,0.014]
1/1 [=====] - 0s 206ms/step
>5889, dr[0.719,0.452], df[0.832,0.019], g[0.787,0.028]
1/1 [=====] - 0s 206ms/step
>5890, dr[0.699,0.347], df[0.703,0.031], g[0.760,0.029]
1/1 [=====] - 0s 203ms/step
>5891, dr[0.688,0.466], df[0.745,0.032], g[0.794,0.033]
1/1 [=====] - 0s 209ms/step
>5892, dr[0.612,0.412], df[0.691,0.015], g[0.826,0.024]
1/1 [=====] - 0s 205ms/step
>5893, dr[0.696,0.408], df[0.734,0.022], g[0.799,0.060]
1/1 [=====] - 0s 206ms/step
>5894, dr[0.704,0.297], df[0.699,0.015], g[0.808,0.026]
1/1 [=====] - 0s 207ms/step
>5895, dr[0.648,0.220], df[0.743,0.039], g[0.769,0.023]
1/1 [=====] - 0s 207ms/step
>5896, dr[0.621,0.456], df[0.764,0.028], g[0.804,0.028]
1/1 [=====] - 0s 206ms/step
>5897, dr[0.674,0.530], df[0.662,0.019], g[0.812,0.016]
1/1 [=====] - 0s 207ms/step
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>5898, dr[0.572,0.498], df[0.738,0.018], g[0.819,0.018]
1/1 [=====] - 0s 208ms/step
>5899, dr[0.706,0.539], df[0.688,0.028], g[0.852,0.020]
1/1 [=====] - 0s 205ms/step
>5900, dr[0.682,0.364], df[0.768,0.026], g[0.851,0.031]
1/1 [=====] - 0s 199ms/step
>5901, dr[0.708,0.414], df[0.656,0.030], g[0.831,0.032]
1/1 [=====] - 0s 204ms/step
>5902, dr[0.649,0.578], df[0.676,0.016], g[0.807,0.022]
1/1 [=====] - 0s 203ms/step
>5903, dr[0.728,0.461], df[0.641,0.021], g[0.736,0.023]
1/1 [=====] - 0s 203ms/step
>5904, dr[0.655,0.555], df[0.660,0.020], g[0.788,0.028]
1/1 [=====] - 0s 201ms/step
>5905, dr[0.686,0.369], df[0.709,0.049], g[0.723,0.023]
1/1 [=====] - 0s 197ms/step
>5906, dr[0.684,0.564], df[0.774,0.028], g[0.811,0.023]
1/1 [=====] - 0s 202ms/step
>5907, dr[0.627,0.391], df[0.659,0.020], g[0.770,0.025]
1/1 [=====] - 0s 202ms/step
>5908, dr[0.677,0.690], df[0.753,0.036], g[0.786,0.046]
1/1 [=====] - 0s 201ms/step
>5909, dr[0.686,0.287], df[0.720,0.029], g[0.784,0.024]
1/1 [=====] - 0s 202ms/step
>5910, dr[0.693,0.777], df[0.716,0.036], g[0.851,0.022]
1/1 [=====] - 0s 204ms/step
>5911, dr[0.825,0.552], df[0.694,0.019], g[0.810,0.020]
1/1 [=====] - 0s 204ms/step
>5912, dr[0.714,0.392], df[0.647,0.050], g[0.821,0.023]
1/1 [=====] - 0s 203ms/step
>5913, dr[0.614,0.225], df[0.761,0.016], g[0.823,0.023]
1/1 [=====] - 0s 201ms/step
>5914, dr[0.665,0.399], df[0.765,0.024], g[0.814,0.037]
1/1 [=====] - 0s 203ms/step
>5915, dr[0.629,0.492], df[0.722,0.030], g[0.739,0.016]
1/1 [=====] - 0s 198ms/step
>5916, dr[0.760,0.557], df[0.634,0.038], g[0.740,0.036]
1/1 [=====] - 0s 204ms/step
>5917, dr[0.651,0.388], df[0.626,0.032], g[0.838,0.027]
1/1 [=====] - 0s 202ms/step
>5918, dr[0.686,0.474], df[0.693,0.014], g[0.754,0.026]
1/1 [=====] - 0s 200ms/step
>5919, dr[0.674,0.604], df[0.667,0.025], g[0.792,0.023]
1/1 [=====] - 0s 199ms/step
>5920, dr[0.690,0.416], df[0.647,0.026], g[0.753,0.020]
1/1 [=====] - 0s 201ms/step
>5921, dr[0.698,0.349], df[0.775,0.013], g[0.817,0.016]
1/1 [=====] - 0s 201ms/step
>5922, dr[0.639,0.510], df[0.690,0.017], g[0.760,0.030]
1/1 [=====] - 0s 203ms/step
>5923, dr[0.687,0.517], df[0.699,0.019], g[0.806,0.021]
1/1 [=====] - 0s 202ms/step
>5924, dr[0.683,0.522], df[0.726,0.021], g[0.835,0.036]
1/1 [=====] - 0s 203ms/step
>5925, dr[0.634,0.723], df[0.667,0.033], g[0.754,0.026]
1/1 [=====] - 0s 204ms/step
>5926, dr[0.678,0.140], df[0.716,0.032], g[0.752,0.018]
1/1 [=====] - 0s 202ms/step
>5927, dr[0.658,0.320], df[0.686,0.009], g[0.765,0.024]
1/1 [=====] - 0s 203ms/step
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>5928, dr[0.699,0.607], df[0.642,0.021], g[0.816,0.033]
1/1 [=====] - 0s 224ms/step
>5929, dr[0.652,0.358], df[0.702,0.025], g[0.760,0.044]
1/1 [=====] - 0s 211ms/step
>5930, dr[0.630,0.670], df[0.760,0.026], g[0.789,0.023]
1/1 [=====] - 0s 229ms/step
>5931, dr[0.677,0.582], df[0.713,0.023], g[0.841,0.025]
1/1 [=====] - 0s 228ms/step
>5932, dr[0.753,0.473], df[0.641,0.029], g[0.836,0.016]
1/1 [=====] - 0s 228ms/step
>5933, dr[0.627,0.489], df[0.767,0.026], g[0.807,0.018]
1/1 [=====] - 0s 221ms/step
>5934, dr[0.683,0.251], df[0.745,0.024], g[0.776,0.030]
1/1 [=====] - 0s 220ms/step
>5935, dr[0.699,1.051], df[0.670,0.037], g[0.739,0.039]
1/1 [=====] - 0s 218ms/step
>5936, dr[0.610,0.253], df[0.663,0.048], g[0.770,0.019]
1/1 [=====] - 0s 220ms/step
>5937, dr[0.690,0.425], df[0.710,0.028], g[0.801,0.035]
1/1 [=====] - 0s 216ms/step
>5938, dr[0.681,0.335], df[0.706,0.028], g[0.800,0.021]
1/1 [=====] - 0s 215ms/step
>5939, dr[0.696,0.702], df[0.663,0.016], g[0.872,0.019]
1/1 [=====] - 0s 222ms/step
>5940, dr[0.686,0.578], df[0.762,0.038], g[0.768,0.019]
1/1 [=====] - 0s 210ms/step
>5941, dr[0.695,0.313], df[0.704,0.040], g[0.931,0.049]
1/1 [=====] - 0s 214ms/step
>5942, dr[0.692,0.516], df[0.664,0.051], g[0.807,0.017]
1/1 [=====] - 0s 207ms/step
>5943, dr[0.627,0.388], df[0.716,0.025], g[0.836,0.043]
1/1 [=====] - 0s 215ms/step
>5944, dr[0.637,0.381], df[0.742,0.014], g[0.816,0.030]
1/1 [=====] - 0s 202ms/step
>5945, dr[0.679,0.167], df[0.650,0.020], g[0.825,0.022]
1/1 [=====] - 0s 204ms/step
>5946, dr[0.727,0.466], df[0.654,0.013], g[0.808,0.021]
1/1 [=====] - 0s 206ms/step
>5947, dr[0.694,0.475], df[0.635,0.030], g[0.746,0.039]
1/1 [=====] - 0s 209ms/step
>5948, dr[0.579,0.523], df[0.740,0.021], g[0.824,0.026]
1/1 [=====] - 0s 206ms/step
>5949, dr[0.636,0.357], df[0.630,0.022], g[0.828,0.022]
1/1 [=====] - 0s 207ms/step
>5950, dr[0.678,0.548], df[0.683,0.019], g[0.818,0.026]
1/1 [=====] - 0s 203ms/step
>5951, dr[0.680,0.634], df[0.783,0.036], g[0.842,0.022]
1/1 [=====] - 0s 203ms/step
>5952, dr[0.669,0.335], df[0.652,0.017], g[0.780,0.034]
1/1 [=====] - 0s 204ms/step
>5953, dr[0.634,0.577], df[0.744,0.041], g[0.847,0.027]
1/1 [=====] - 0s 202ms/step
>5954, dr[0.722,0.517], df[0.710,0.018], g[0.817,0.020]
1/1 [=====] - 0s 204ms/step
>5955, dr[0.711,0.321], df[0.693,0.027], g[0.837,0.019]
1/1 [=====] - 0s 211ms/step
>5956, dr[0.674,0.356], df[0.752,0.015], g[0.862,0.033]
1/1 [=====] - 0s 206ms/step
>5957, dr[0.723,0.520], df[0.695,0.012], g[0.814,0.021]
1/1 [=====] - 0s 246ms/step
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>5958, dr[0.709,0.214], df[0.686,0.024], g[0.787,0.032]
1/1 [=====] - 0s 206ms/step
>5959, dr[0.760,0.620], df[0.772,0.033], g[0.823,0.037]
1/1 [=====] - 0s 201ms/step
>5960, dr[0.686,0.498], df[0.657,0.021], g[0.781,0.049]
1/1 [=====] - 0s 201ms/step
>5961, dr[0.613,0.305], df[0.650,0.015], g[0.767,0.019]
1/1 [=====] - 0s 197ms/step
>5962, dr[0.671,0.602], df[0.808,0.030], g[0.801,0.021]
1/1 [=====] - 0s 203ms/step
>5963, dr[0.692,0.544], df[0.624,0.012], g[0.823,0.020]
1/1 [=====] - 0s 205ms/step
>5964, dr[0.724,0.354], df[0.638,0.009], g[0.782,0.031]
1/1 [=====] - 0s 205ms/step
>5965, dr[0.729,0.424], df[0.700,0.039], g[0.758,0.020]
1/1 [=====] - 0s 229ms/step
>5966, dr[0.694,0.737], df[0.739,0.043], g[0.775,0.025]
1/1 [=====] - 0s 214ms/step
>5967, dr[0.700,0.399], df[0.697,0.038], g[0.759,0.046]
1/1 [=====] - 0s 217ms/step
>5968, dr[0.648,0.523], df[0.706,0.028], g[0.819,0.033]
1/1 [=====] - 0s 214ms/step
>5969, dr[0.700,0.337], df[0.724,0.023], g[0.781,0.031]
1/1 [=====] - 0s 203ms/step
>5970, dr[0.715,0.551], df[0.629,0.015], g[0.818,0.036]
1/1 [=====] - 0s 218ms/step
>5971, dr[0.622,0.434], df[0.675,0.022], g[0.811,0.045]
1/1 [=====] - 0s 210ms/step
>5972, dr[0.680,0.652], df[0.671,0.027], g[0.903,0.041]
1/1 [=====] - 0s 202ms/step
>5973, dr[0.662,0.344], df[0.626,0.011], g[0.800,0.024]
1/1 [=====] - 0s 203ms/step
>5974, dr[0.630,0.570], df[0.654,0.034], g[0.811,0.020]
1/1 [=====] - 0s 221ms/step
>5975, dr[0.751,0.569], df[0.681,0.023], g[0.864,0.022]
1/1 [=====] - 0s 207ms/step
>5976, dr[0.656,0.477], df[0.662,0.026], g[0.784,0.062]
1/1 [=====] - 0s 201ms/step
>5977, dr[0.678,0.483], df[0.709,0.071], g[0.772,0.028]
1/1 [=====] - 0s 202ms/step
>5978, dr[0.729,0.294], df[0.693,0.015], g[0.828,0.042]
1/1 [=====] - 0s 201ms/step
>5979, dr[0.677,0.542], df[0.690,0.015], g[0.793,0.034]
1/1 [=====] - 0s 209ms/step
>5980, dr[0.643,0.655], df[0.742,0.021], g[0.763,0.020]
1/1 [=====] - 0s 216ms/step
>5981, dr[0.720,0.359], df[0.730,0.011], g[0.784,0.028]
1/1 [=====] - 0s 215ms/step
>5982, dr[0.646,0.341], df[0.659,0.026], g[0.838,0.031]
1/1 [=====] - 0s 205ms/step
>5983, dr[0.683,0.485], df[0.619,0.026], g[0.814,0.033]
1/1 [=====] - 0s 206ms/step
>5984, dr[0.713,0.431], df[0.702,0.024], g[0.801,0.043]
1/1 [=====] - 0s 204ms/step
>5985, dr[0.671,0.508], df[0.707,0.011], g[0.795,0.039]
1/1 [=====] - 0s 204ms/step
>5986, dr[0.744,0.344], df[0.780,0.030], g[0.816,0.016]
1/1 [=====] - 0s 204ms/step
>5987, dr[0.686,0.306], df[0.748,0.028], g[0.794,0.032]
1/1 [=====] - 0s 204ms/step
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>5988, dr[0.703,0.370], df[0.644,0.019], g[0.778,0.014]
1/1 [=====] - 0s 206ms/step
>5989, dr[0.701,0.425], df[0.747,0.028], g[0.784,0.035]
1/1 [=====] - 0s 204ms/step
>5990, dr[0.735,0.492], df[0.646,0.011], g[0.810,0.025]
1/1 [=====] - 0s 203ms/step
>5991, dr[0.697,0.609], df[0.660,0.038], g[0.807,0.017]
1/1 [=====] - 0s 210ms/step
>5992, dr[0.615,0.476], df[0.750,0.013], g[0.841,0.011]
1/1 [=====] - 0s 207ms/step
>5993, dr[0.662,0.588], df[0.699,0.014], g[0.785,0.019]
1/1 [=====] - 0s 351ms/step
>5994, dr[0.716,0.530], df[0.789,0.028], g[0.812,0.039]
1/1 [=====] - 0s 305ms/step
>5995, dr[0.679,0.739], df[0.627,0.034], g[0.824,0.028]
1/1 [=====] - 0s 314ms/step
>5996, dr[0.731,0.295], df[0.765,0.038], g[0.778,0.028]
1/1 [=====] - 1s 589ms/step
>5997, dr[0.729,0.362], df[0.629,0.041], g[0.794,0.023]
1/1 [=====] - 0s 328ms/step
>5998, dr[0.612,0.204], df[0.711,0.015], g[0.831,0.041]
1/1 [=====] - 0s 339ms/step
>5999, dr[0.645,0.682], df[0.666,0.011], g[0.783,0.046]
1/1 [=====] - 0s 215ms/step
>6000, dr[0.613,0.562], df[0.740,0.025], g[0.845,0.027]
1/1 [=====] - 0s 240ms/step
>6001, dr[0.664,0.550], df[0.687,0.016], g[0.799,0.037]
1/1 [=====] - 0s 235ms/step
>6002, dr[0.716,0.759], df[0.763,0.016], g[0.838,0.037]
1/1 [=====] - 0s 228ms/step
>6003, dr[0.742,0.708], df[0.693,0.020], g[0.827,0.020]
1/1 [=====] - 0s 232ms/step
>6004, dr[0.724,0.379], df[0.670,0.016], g[0.844,0.027]
1/1 [=====] - 0s 221ms/step
>6005, dr[0.626,0.511], df[0.664,0.027], g[0.809,0.033]
1/1 [=====] - 0s 219ms/step
>6006, dr[0.668,0.186], df[0.654,0.019], g[0.850,0.027]
1/1 [=====] - 0s 255ms/step
>6007, dr[0.618,0.539], df[0.658,0.011], g[0.807,0.051]
1/1 [=====] - 0s 253ms/step
>6008, dr[0.665,0.383], df[0.651,0.012], g[0.792,0.018]
1/1 [=====] - 0s 230ms/step
>6009, dr[0.731,0.451], df[0.743,0.014], g[0.768,0.019]
1/1 [=====] - 0s 233ms/step
>6010, dr[0.624,0.621], df[0.746,0.025], g[0.841,0.031]
1/1 [=====] - 0s 238ms/step
>6011, dr[0.580,0.389], df[0.698,0.021], g[0.834,0.012]
1/1 [=====] - 0s 230ms/step
>6012, dr[0.704,0.560], df[0.748,0.029], g[0.794,0.038]
1/1 [=====] - 0s 225ms/step
>6013, dr[0.677,0.584], df[0.693,0.030], g[0.850,0.098]
1/1 [=====] - 0s 238ms/step
>6014, dr[0.728,0.518], df[0.678,0.023], g[0.819,0.017]
1/1 [=====] - 0s 244ms/step
>6015, dr[0.678,0.450], df[0.730,0.011], g[0.780,0.037]
1/1 [=====] - 0s 257ms/step
>6016, dr[0.662,0.407], df[0.721,0.039], g[0.767,0.022]
1/1 [=====] - 0s 215ms/step
>6017, dr[0.723,0.650], df[0.750,0.021], g[0.800,0.017]
1/1 [=====] - 0s 221ms/step
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>6018, dr[0.658,0.614], df[0.760,0.033], g[0.783,0.020]
1/1 [=====] - 0s 224ms/step
>6019, dr[0.722,0.442], df[0.739,0.023], g[0.793,0.036]
1/1 [=====] - 0s 386ms/step
>6020, dr[0.660,0.810], df[0.795,0.037], g[0.736,0.040]
1/1 [=====] - 0s 227ms/step
>6021, dr[0.730,0.440], df[0.619,0.019], g[0.767,0.019]
1/1 [=====] - 0s 203ms/step
>6022, dr[0.573,0.386], df[0.699,0.033], g[0.824,0.022]
1/1 [=====] - 0s 214ms/step
>6023, dr[0.728,0.356], df[0.680,0.011], g[0.764,0.019]
1/1 [=====] - 0s 246ms/step
>6024, dr[0.674,0.335], df[0.702,0.018], g[0.820,0.016]
1/1 [=====] - 0s 228ms/step
>6025, dr[0.692,0.487], df[0.770,0.017], g[0.817,0.015]
1/1 [=====] - 0s 219ms/step
>6026, dr[0.738,0.264], df[0.720,0.025], g[0.781,0.014]
1/1 [=====] - 0s 220ms/step
>6027, dr[0.651,0.407], df[0.611,0.015], g[0.794,0.029]
1/1 [=====] - 0s 224ms/step
>6028, dr[0.685,0.619], df[0.614,0.018], g[0.802,0.024]
1/1 [=====] - 0s 229ms/step
>6029, dr[0.620,0.378], df[0.703,0.016], g[0.770,0.026]
1/1 [=====] - 0s 255ms/step
>6030, dr[0.705,0.399], df[0.741,0.040], g[0.808,0.025]
1/1 [=====] - 0s 213ms/step
>6031, dr[0.640,0.585], df[0.717,0.021], g[0.766,0.031]
1/1 [=====] - 0s 237ms/step
>6032, dr[0.759,0.377], df[0.702,0.069], g[0.783,0.022]
1/1 [=====] - 0s 215ms/step
>6033, dr[0.776,0.514], df[0.733,0.020], g[0.820,0.032]
1/1 [=====] - 0s 221ms/step
>6034, dr[0.668,0.627], df[0.760,0.015], g[0.850,0.025]
1/1 [=====] - 0s 213ms/step
>6035, dr[0.716,0.554], df[0.763,0.016], g[0.731,0.015]
1/1 [=====] - 0s 204ms/step
>6036, dr[0.681,0.656], df[0.734,0.019], g[0.769,0.020]
1/1 [=====] - 0s 416ms/step
>6037, dr[0.678,0.632], df[0.687,0.027], g[0.809,0.013]
1/1 [=====] - 0s 214ms/step
>6038, dr[0.665,0.788], df[0.611,0.015], g[0.717,0.031]
1/1 [=====] - 0s 223ms/step
>6039, dr[0.648,0.439], df[0.668,0.027], g[0.808,0.024]
1/1 [=====] - 0s 218ms/step
>6040, dr[0.638,0.537], df[0.652,0.021], g[0.745,0.036]
1/1 [=====] - 0s 238ms/step
>6041, dr[0.601,0.385], df[0.620,0.028], g[0.793,0.064]
1/1 [=====] - 0s 217ms/step
>6042, dr[0.666,0.757], df[0.696,0.036], g[0.777,0.017]
1/1 [=====] - 0s 211ms/step
>6043, dr[0.637,0.453], df[0.644,0.014], g[0.767,0.023]
1/1 [=====] - 0s 248ms/step
>6044, dr[0.689,0.260], df[0.630,0.020], g[0.812,0.030]
1/1 [=====] - 0s 219ms/step
>6045, dr[0.731,0.182], df[0.753,0.021], g[0.770,0.032]
1/1 [=====] - 0s 213ms/step
>6046, dr[0.649,0.387], df[0.765,0.039], g[0.846,0.026]
1/1 [=====] - 0s 245ms/step
>6047, dr[0.694,0.321], df[0.737,0.019], g[0.821,0.040]
1/1 [=====] - 0s 207ms/step
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>6048, dr[0.805,0.692], df[0.627,0.044], g[0.815,0.014]
1/1 [=====] - 0s 210ms/step
>6049, dr[0.617,0.352], df[0.670,0.013], g[0.827,0.029]
1/1 [=====] - 0s 213ms/step
>6050, dr[0.666,0.700], df[0.708,0.013], g[0.768,0.015]
1/1 [=====] - 0s 208ms/step
>6051, dr[0.694,0.461], df[0.664,0.014], g[0.747,0.023]
1/1 [=====] - 0s 209ms/step
>6052, dr[0.653,0.620], df[0.723,0.035], g[0.835,0.024]
1/1 [=====] - 0s 212ms/step
>6053, dr[0.664,0.727], df[0.631,0.014], g[0.772,0.021]
1/1 [=====] - 0s 222ms/step
>6054, dr[0.609,0.607], df[0.755,0.018], g[0.839,0.037]
1/1 [=====] - 0s 248ms/step
>6055, dr[0.583,0.392], df[0.779,0.084], g[0.720,0.042]
1/1 [=====] - 0s 287ms/step
>6056, dr[0.689,0.489], df[0.729,0.024], g[0.805,0.017]
1/1 [=====] - 0s 245ms/step
>6057, dr[0.668,0.653], df[0.695,0.026], g[0.835,0.032]
1/1 [=====] - 0s 220ms/step
>6058, dr[0.709,0.557], df[0.751,0.021], g[0.795,0.020]
1/1 [=====] - 0s 224ms/step
>6059, dr[0.622,0.786], df[0.679,0.019], g[0.801,0.026]
1/1 [=====] - 0s 246ms/step
>6060, dr[0.726,0.573], df[0.656,0.017], g[0.777,0.023]
1/1 [=====] - 0s 257ms/step
>6061, dr[0.690,0.645], df[0.701,0.030], g[0.847,0.053]
1/1 [=====] - 0s 246ms/step
>6062, dr[0.758,0.771], df[0.678,0.133], g[0.827,0.023]
1/1 [=====] - 0s 221ms/step
>6063, dr[0.737,0.274], df[0.718,0.018], g[0.811,0.023]
1/1 [=====] - 0s 207ms/step
>6064, dr[0.697,0.619], df[0.737,0.032], g[0.805,0.022]
1/1 [=====] - 0s 224ms/step
>6065, dr[0.671,0.285], df[0.640,0.013], g[0.804,0.026]
1/1 [=====] - 0s 216ms/step
>6066, dr[0.676,0.402], df[0.755,0.021], g[0.787,0.026]
1/1 [=====] - 0s 213ms/step
>6067, dr[0.604,0.380], df[0.683,0.013], g[0.779,0.020]
1/1 [=====] - 0s 226ms/step
>6068, dr[0.630,0.461], df[0.640,0.023], g[0.793,0.024]
1/1 [=====] - 0s 210ms/step
>6069, dr[0.689,0.210], df[0.705,0.018], g[0.858,0.026]
1/1 [=====] - 0s 211ms/step
>6070, dr[0.676,0.200], df[0.673,0.044], g[0.802,0.021]
1/1 [=====] - 0s 210ms/step
>6071, dr[0.654,0.482], df[0.686,0.054], g[0.818,0.027]
1/1 [=====] - 0s 210ms/step
>6072, dr[0.671,0.288], df[0.589,0.015], g[0.792,0.025]
1/1 [=====] - 0s 210ms/step
>6073, dr[0.748,0.246], df[0.736,0.016], g[0.850,0.015]
1/1 [=====] - 0s 211ms/step
>6074, dr[0.715,0.252], df[0.717,0.028], g[0.778,0.031]
1/1 [=====] - 0s 214ms/step
>6075, dr[0.671,0.415], df[0.662,0.024], g[0.842,0.037]
1/1 [=====] - 0s 209ms/step
>6076, dr[0.747,0.784], df[0.674,0.033], g[0.749,0.038]
1/1 [=====] - 0s 213ms/step
>6077, dr[0.669,0.473], df[0.803,0.017], g[0.761,0.025]
1/1 [=====] - 0s 212ms/step
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>6078, dr[0.660,0.273], df[0.744,0.024], g[0.821,0.029]
1/1 [=====] - 0s 211ms/step
>6079, dr[0.685,0.481], df[0.760,0.014], g[0.795,0.019]
1/1 [=====] - 0s 211ms/step
>6080, dr[0.671,0.345], df[0.740,0.021], g[0.827,0.021]
1/1 [=====] - 0s 208ms/step
>6081, dr[0.686,0.604], df[0.639,0.008], g[0.819,0.017]
1/1 [=====] - 0s 217ms/step
>6082, dr[0.785,0.496], df[0.611,0.028], g[0.838,0.061]
1/1 [=====] - 0s 209ms/step
>6083, dr[0.732,0.505], df[0.716,0.033], g[0.792,0.024]
1/1 [=====] - 0s 214ms/step
>6084, dr[0.737,0.536], df[0.688,0.022], g[0.801,0.011]
1/1 [=====] - 0s 210ms/step
>6085, dr[0.738,0.594], df[0.719,0.021], g[0.746,0.018]
1/1 [=====] - 0s 209ms/step
>6086, dr[0.716,0.415], df[0.684,0.013], g[0.742,0.015]
1/1 [=====] - 0s 209ms/step
>6087, dr[0.634,0.328], df[0.784,0.020], g[0.789,0.017]
1/1 [=====] - 0s 209ms/step
>6088, dr[0.675,0.767], df[0.702,0.060], g[0.795,0.023]
1/1 [=====] - 0s 213ms/step
>6089, dr[0.678,0.418], df[0.746,0.009], g[0.779,0.016]
1/1 [=====] - 0s 216ms/step
>6090, dr[0.720,0.165], df[0.642,0.027], g[0.756,0.019]
1/1 [=====] - 0s 211ms/step
>6091, dr[0.755,0.702], df[0.689,0.016], g[0.788,0.025]
1/1 [=====] - 0s 221ms/step
>6092, dr[0.690,0.730], df[0.739,0.048], g[0.817,0.022]
1/1 [=====] - 0s 212ms/step
>6093, dr[0.690,0.243], df[0.684,0.022], g[0.815,0.017]
1/1 [=====] - 0s 210ms/step
>6094, dr[0.727,0.340], df[0.719,0.020], g[0.766,0.018]
1/1 [=====] - 0s 216ms/step
>6095, dr[0.713,0.416], df[0.690,0.025], g[0.789,0.020]
1/1 [=====] - 0s 212ms/step
>6096, dr[0.694,0.591], df[0.762,0.032], g[0.760,0.018]
1/1 [=====] - 0s 214ms/step
>6097, dr[0.733,0.796], df[0.705,0.020], g[0.776,0.028]
1/1 [=====] - 0s 213ms/step
>6098, dr[0.670,0.297], df[0.687,0.058], g[0.810,0.025]
1/1 [=====] - 0s 215ms/step
>6099, dr[0.598,0.491], df[0.625,0.035], g[0.841,0.023]
1/1 [=====] - 0s 206ms/step
>6100, dr[0.673,0.395], df[0.692,0.018], g[0.846,0.024]
1/1 [=====] - 0s 241ms/step
>6101, dr[0.617,0.399], df[0.732,0.032], g[0.824,0.020]
1/1 [=====] - 0s 211ms/step
>6102, dr[0.712,0.495], df[0.737,0.017], g[0.778,0.023]
1/1 [=====] - 0s 208ms/step
>6103, dr[0.715,0.535], df[0.740,0.044], g[0.796,0.017]
1/1 [=====] - 0s 207ms/step
>6104, dr[0.708,0.509], df[0.673,0.014], g[0.855,0.020]
1/1 [=====] - 0s 206ms/step
>6105, dr[0.588,0.441], df[0.626,0.030], g[0.819,0.033]
1/1 [=====] - 0s 221ms/step
>6106, dr[0.671,0.405], df[0.696,0.035], g[0.804,0.024]
1/1 [=====] - 0s 373ms/step
>6107, dr[0.714,0.401], df[0.603,0.016], g[0.788,0.020]
1/1 [=====] - 0s 246ms/step
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>6108, dr[0.624,0.361], df[0.715,0.015], g[0.811,0.029]
1/1 [=====] - 0s 339ms/step
>6109, dr[0.683,0.455], df[0.771,0.017], g[0.781,0.017]
1/1 [=====] - 0s 248ms/step
>6110, dr[0.754,0.758], df[0.772,0.014], g[0.819,0.031]
1/1 [=====] - 1s 838ms/step
>6111, dr[0.733,0.384], df[0.713,0.021], g[0.821,0.018]
1/1 [=====] - 0s 256ms/step
>6112, dr[0.551,0.301], df[0.775,0.059], g[0.731,0.035]
1/1 [=====] - 0s 217ms/step
>6113, dr[0.620,0.357], df[0.693,0.028], g[0.842,0.019]
1/1 [=====] - 0s 232ms/step
>6114, dr[0.689,0.457], df[0.706,0.021], g[0.799,0.017]
1/1 [=====] - 0s 226ms/step
>6115, dr[0.587,0.820], df[0.725,0.016], g[0.806,0.025]
1/1 [=====] - 0s 220ms/step
>6116, dr[0.724,0.336], df[0.767,0.024], g[0.795,0.030]
1/1 [=====] - 0s 222ms/step
>6117, dr[0.649,0.379], df[0.722,0.041], g[0.842,0.025]
1/1 [=====] - 0s 214ms/step
>6118, dr[0.761,0.656], df[0.718,0.023], g[0.783,0.031]
1/1 [=====] - 0s 216ms/step
>6119, dr[0.614,0.413], df[0.655,0.034], g[0.896,0.027]
1/1 [=====] - 0s 214ms/step
>6120, dr[0.746,0.339], df[0.661,0.022], g[0.799,0.019]
1/1 [=====] - 0s 213ms/step
>6121, dr[0.621,0.439], df[0.617,0.021], g[0.824,0.020]
1/1 [=====] - 0s 216ms/step
>6122, dr[0.683,0.409], df[0.759,0.036], g[0.809,0.024]
1/1 [=====] - 0s 215ms/step
>6123, dr[0.707,0.709], df[0.707,0.044], g[0.776,0.028]
1/1 [=====] - 0s 216ms/step
>6124, dr[0.667,0.577], df[0.665,0.012], g[0.881,0.020]
1/1 [=====] - 0s 223ms/step
>6125, dr[0.693,0.778], df[0.673,0.010], g[0.833,0.027]
1/1 [=====] - 0s 215ms/step
>6126, dr[0.613,0.305], df[0.816,0.030], g[0.794,0.025]
1/1 [=====] - 0s 220ms/step
>6127, dr[0.656,0.688], df[0.605,0.018], g[0.830,0.022]
1/1 [=====] - 0s 243ms/step
>6128, dr[0.741,0.328], df[0.755,0.060], g[0.750,0.029]
1/1 [=====] - 0s 214ms/step
>6129, dr[0.717,0.339], df[0.710,0.041], g[0.761,0.024]
1/1 [=====] - 0s 211ms/step
>6130, dr[0.750,0.717], df[0.745,0.015], g[0.850,0.040]
1/1 [=====] - 0s 212ms/step
>6131, dr[0.767,0.750], df[0.664,0.030], g[0.823,0.025]
1/1 [=====] - 0s 214ms/step
>6132, dr[0.644,0.406], df[0.705,0.030], g[0.768,0.032]
1/1 [=====] - 0s 215ms/step
>6133, dr[0.630,0.258], df[0.659,0.076], g[0.815,0.050]
1/1 [=====] - 0s 223ms/step
>6134, dr[0.677,0.300], df[0.710,0.061], g[0.793,0.023]
1/1 [=====] - 0s 218ms/step
>6135, dr[0.586,0.419], df[0.698,0.064], g[0.893,0.040]
1/1 [=====] - 0s 221ms/step
>6136, dr[0.690,0.639], df[0.669,0.027], g[0.803,0.013]
1/1 [=====] - 0s 215ms/step
>6137, dr[0.702,0.510], df[0.741,0.028], g[0.740,0.031]
1/1 [=====] - 0s 217ms/step
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>6138, dr[0.670,0.670], df[0.743,0.019], g[0.748,0.028]
1/1 [=====] - 0s 214ms/step
>6139, dr[0.695,0.568], df[0.791,0.027], g[0.780,0.024]
1/1 [=====] - 0s 216ms/step
>6140, dr[0.657,0.482], df[0.710,0.050], g[0.880,0.028]
1/1 [=====] - 0s 214ms/step
>6141, dr[0.728,0.275], df[0.693,0.021], g[0.898,0.017]
1/1 [=====] - 0s 217ms/step
>6142, dr[0.697,0.431], df[0.701,0.014], g[0.773,0.018]
1/1 [=====] - 0s 217ms/step
>6143, dr[0.665,0.478], df[0.602,0.021], g[0.827,0.024]
1/1 [=====] - 0s 214ms/step
>6144, dr[0.665,0.463], df[0.626,0.030], g[0.855,0.032]
1/1 [=====] - 0s 214ms/step
>6145, dr[0.664,0.724], df[0.623,0.010], g[0.809,0.035]
1/1 [=====] - 0s 212ms/step
>6146, dr[0.670,0.280], df[0.834,0.106], g[0.803,0.022]
1/1 [=====] - 0s 214ms/step
>6147, dr[0.726,0.559], df[0.692,0.013], g[0.833,0.045]
1/1 [=====] - 0s 215ms/step
>6148, dr[0.650,0.802], df[0.610,0.023], g[0.815,0.022]
1/1 [=====] - 0s 216ms/step
>6149, dr[0.678,0.524], df[0.721,0.025], g[0.829,0.013]
1/1 [=====] - 0s 212ms/step
>6150, dr[0.724,0.179], df[0.732,0.025], g[0.806,0.022]
1/1 [=====] - 0s 234ms/step
>6151, dr[0.559,0.814], df[0.603,0.069], g[0.775,0.029]
1/1 [=====] - 0s 214ms/step
>6152, dr[0.750,0.490], df[0.800,0.019], g[0.773,0.030]
1/1 [=====] - 0s 226ms/step
>6153, dr[0.676,0.586], df[0.690,0.026], g[0.793,0.016]
1/1 [=====] - 0s 217ms/step
>6154, dr[0.698,0.653], df[0.722,0.029], g[0.815,0.023]
1/1 [=====] - 0s 215ms/step
>6155, dr[0.693,0.277], df[0.662,0.030], g[0.833,0.018]
1/1 [=====] - 0s 216ms/step
>6156, dr[0.684,0.706], df[0.702,0.022], g[0.789,0.022]
1/1 [=====] - 0s 214ms/step
>6157, dr[0.674,0.455], df[0.719,0.019], g[0.775,0.025]
1/1 [=====] - 0s 215ms/step
>6158, dr[0.704,0.265], df[0.643,0.023], g[0.764,0.036]
1/1 [=====] - 0s 244ms/step
>6159, dr[0.704,0.453], df[0.665,0.028], g[0.734,0.032]
1/1 [=====] - 0s 213ms/step
>6160, dr[0.678,0.305], df[0.713,0.030], g[0.783,0.044]
1/1 [=====] - 0s 221ms/step
>6161, dr[0.636,0.318], df[0.736,0.059], g[0.895,0.013]
1/1 [=====] - 0s 211ms/step
>6162, dr[0.608,0.216], df[0.750,0.039], g[0.762,0.040]
1/1 [=====] - 0s 402ms/step
>6163, dr[0.683,0.461], df[0.689,0.015], g[0.797,0.024]
1/1 [=====] - 0s 273ms/step
>6164, dr[0.613,0.450], df[0.649,0.017], g[0.823,0.022]
1/1 [=====] - 0s 219ms/step
>6165, dr[0.684,0.414], df[0.671,0.072], g[0.960,0.024]
1/1 [=====] - 0s 199ms/step
>6166, dr[0.671,0.381], df[0.696,0.023], g[0.759,0.025]
1/1 [=====] - 0s 225ms/step
>6167, dr[0.716,0.671], df[0.649,0.013], g[0.790,0.028]
1/1 [=====] - 0s 218ms/step
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>6168, dr[0.766,0.420], df[0.733,0.017], g[0.778,0.033]
1/1 [=====] - 0s 214ms/step
>6169, dr[0.629,0.417], df[0.659,0.025], g[0.733,0.024]
1/1 [=====] - 0s 233ms/step
>6170, dr[0.688,0.437], df[0.773,0.026], g[0.845,0.027]
1/1 [=====] - 0s 254ms/step
>6171, dr[0.730,0.464], df[0.721,0.037], g[0.792,0.022]
1/1 [=====] - 0s 221ms/step
>6172, dr[0.651,0.312], df[0.682,0.032], g[0.709,0.023]
1/1 [=====] - 0s 216ms/step
>6173, dr[0.730,0.536], df[0.680,0.013], g[0.731,0.029]
1/1 [=====] - 0s 212ms/step
>6174, dr[0.677,0.132], df[0.680,0.018], g[0.866,0.034]
1/1 [=====] - 0s 213ms/step
>6175, dr[0.726,0.387], df[0.668,0.015], g[0.827,0.023]
1/1 [=====] - 0s 211ms/step
>6176, dr[0.710,0.454], df[0.688,0.036], g[0.782,0.034]
1/1 [=====] - 0s 208ms/step
>6177, dr[0.669,0.400], df[0.658,0.025], g[0.773,0.021]
1/1 [=====] - 0s 213ms/step
>6178, dr[0.585,0.441], df[0.746,0.044], g[0.798,0.022]
1/1 [=====] - 0s 212ms/step
>6179, dr[0.679,0.223], df[0.713,0.028], g[0.761,0.019]
1/1 [=====] - 0s 228ms/step
>6180, dr[0.680,0.948], df[0.661,0.035], g[0.696,0.053]
1/1 [=====] - 0s 214ms/step
>6181, dr[0.597,0.239], df[0.724,0.028], g[0.776,0.027]
1/1 [=====] - 0s 220ms/step
>6182, dr[0.667,0.330], df[0.748,0.022], g[0.753,0.024]
1/1 [=====] - 0s 218ms/step
>6183, dr[0.631,0.284], df[0.676,0.025], g[0.764,0.023]
1/1 [=====] - 0s 216ms/step
>6184, dr[0.820,0.660], df[0.772,0.026], g[0.791,0.051]
1/1 [=====] - 0s 218ms/step
>6185, dr[0.667,0.234], df[0.769,0.016], g[0.801,0.033]
1/1 [=====] - 0s 220ms/step
>6186, dr[0.694,0.464], df[0.743,0.033], g[0.840,0.021]
1/1 [=====] - 0s 226ms/step
>6187, dr[0.738,0.522], df[0.766,0.012], g[0.851,0.041]
1/1 [=====] - 0s 226ms/step
>6188, dr[0.671,0.425], df[0.701,0.030], g[0.819,0.018]
1/1 [=====] - 0s 374ms/step
>6189, dr[0.779,0.590], df[0.714,0.022], g[0.819,0.033]
1/1 [=====] - 0s 217ms/step
>6190, dr[0.700,0.231], df[0.790,0.041], g[0.783,0.011]
1/1 [=====] - 0s 231ms/step
>6191, dr[0.679,0.362], df[0.773,0.018], g[0.835,0.019]
1/1 [=====] - 0s 219ms/step
>6192, dr[0.673,0.552], df[0.727,0.026], g[0.868,0.016]
1/1 [=====] - 0s 218ms/step
>6193, dr[0.591,0.351], df[0.616,0.025], g[0.853,0.017]
1/1 [=====] - 0s 214ms/step
>6194, dr[0.711,0.408], df[0.737,0.021], g[0.820,0.016]
1/1 [=====] - 0s 223ms/step
>6195, dr[0.709,0.477], df[0.751,0.019], g[0.856,0.026]
1/1 [=====] - 0s 244ms/step
>6196, dr[0.672,0.564], df[0.714,0.017], g[0.845,0.033]
1/1 [=====] - 0s 219ms/step
>6197, dr[0.660,0.596], df[0.705,0.013], g[0.811,0.042]
1/1 [=====] - 0s 219ms/step
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>6198, dr[0.586,0.284], df[0.624,0.012], g[0.848,0.025]
1/1 [=====] - 0s 216ms/step
>6199, dr[0.712,0.273], df[0.685,0.018], g[0.807,0.033]
1/1 [=====] - 0s 216ms/step
>6200, dr[0.754,0.402], df[0.680,0.012], g[0.864,0.060]
1/1 [=====] - 0s 218ms/step
>6201, dr[0.729,0.587], df[0.624,0.042], g[0.852,0.028]
1/1 [=====] - 0s 213ms/step
>6202, dr[0.667,0.344], df[0.612,0.019], g[0.823,0.026]
1/1 [=====] - 0s 223ms/step
>6203, dr[0.767,0.464], df[0.738,0.025], g[0.812,0.041]
1/1 [=====] - 0s 267ms/step
>6204, dr[0.783,0.163], df[0.648,0.017], g[0.815,0.013]
1/1 [=====] - 0s 213ms/step
>6205, dr[0.709,0.935], df[0.699,0.022], g[0.791,0.026]
1/1 [=====] - 1s 696ms/step
>6206, dr[0.620,0.738], df[0.755,0.030], g[0.728,0.028]
1/1 [=====] - 0s 225ms/step
>6207, dr[0.628,0.271], df[0.729,0.014], g[0.750,0.041]
1/1 [=====] - 0s 218ms/step
>6208, dr[0.631,0.350], df[0.737,0.019], g[0.882,0.023]
1/1 [=====] - 0s 233ms/step
>6209, dr[0.733,0.712], df[0.664,0.027], g[0.744,0.031]
1/1 [=====] - 0s 225ms/step
>6210, dr[0.585,0.253], df[0.681,0.049], g[0.745,0.024]
1/1 [=====] - 0s 309ms/step
>6211, dr[0.711,0.342], df[0.709,0.029], g[0.795,0.023]
1/1 [=====] - 0s 233ms/step
>6212, dr[0.631,0.391], df[0.755,0.018], g[0.754,0.028]
1/1 [=====] - 0s 230ms/step
>6213, dr[0.704,0.430], df[0.700,0.020], g[0.816,0.019]
1/1 [=====] - 0s 222ms/step
>6214, dr[0.718,0.579], df[0.752,0.036], g[0.802,0.023]
1/1 [=====] - 0s 226ms/step
>6215, dr[0.684,0.673], df[0.708,0.013], g[0.792,0.021]
1/1 [=====] - 0s 224ms/step
>6216, dr[0.701,0.301], df[0.678,0.024], g[0.822,0.034]
1/1 [=====] - 0s 225ms/step
>6217, dr[0.656,0.547], df[0.671,0.015], g[0.810,0.019]
1/1 [=====] - 0s 236ms/step
>6218, dr[0.667,0.286], df[0.699,0.037], g[0.823,0.026]
1/1 [=====] - 0s 238ms/step
>6219, dr[0.748,0.357], df[0.718,0.054], g[0.784,0.035]
1/1 [=====] - 0s 223ms/step
>6220, dr[0.631,0.500], df[0.759,0.026], g[0.775,0.024]
1/1 [=====] - 0s 216ms/step
>6221, dr[0.708,0.495], df[0.671,0.021], g[0.818,0.032]
1/1 [=====] - 0s 233ms/step
>6222, dr[0.692,0.360], df[0.634,0.022], g[0.863,0.029]
1/1 [=====] - 0s 240ms/step
>6223, dr[0.711,0.251], df[0.711,0.024], g[0.800,0.018]
1/1 [=====] - 0s 219ms/step
>6224, dr[0.741,0.267], df[0.720,0.028], g[0.826,0.016]
1/1 [=====] - 0s 219ms/step
>6225, dr[0.747,0.646], df[0.706,0.035], g[0.807,0.013]
1/1 [=====] - 0s 219ms/step
>6226, dr[0.643,0.484], df[0.749,0.035], g[0.796,0.023]
1/1 [=====] - 0s 218ms/step
>6227, dr[0.659,0.579], df[0.753,0.030], g[0.781,0.021]
1/1 [=====] - 0s 224ms/step
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>6228, dr[0.647,0.506], df[0.692,0.018], g[0.769,0.041]
1/1 [=====] - 0s 222ms/step
>6229, dr[0.633,0.250], df[0.661,0.045], g[0.863,0.022]
1/1 [=====] - 0s 226ms/step
>6230, dr[0.659,0.407], df[0.713,0.026], g[0.784,0.026]
1/1 [=====] - 0s 216ms/step
>6231, dr[0.640,0.325], df[0.686,0.033], g[0.831,0.026]
1/1 [=====] - 0s 217ms/step
>6232, dr[0.655,0.351], df[0.611,0.012], g[0.836,0.018]
1/1 [=====] - 0s 218ms/step
>6233, dr[0.794,0.262], df[0.787,0.012], g[0.835,0.016]
1/1 [=====] - 0s 219ms/step
>6234, dr[0.669,0.596], df[0.711,0.067], g[0.774,0.029]
1/1 [=====] - 0s 217ms/step
>6235, dr[0.654,0.448], df[0.625,0.010], g[0.821,0.027]
1/1 [=====] - 0s 230ms/step
>6236, dr[0.632,0.205], df[0.672,0.020], g[0.781,0.030]
1/1 [=====] - 0s 228ms/step
>6237, dr[0.727,0.409], df[0.749,0.035], g[0.833,0.031]
1/1 [=====] - 0s 222ms/step
>6238, dr[0.740,0.354], df[0.682,0.013], g[0.779,0.023]
1/1 [=====] - 0s 240ms/step
>6239, dr[0.646,0.235], df[0.754,0.015], g[0.758,0.017]
1/1 [=====] - 0s 226ms/step
>6240, dr[0.694,0.395], df[0.659,0.016], g[0.822,0.017]
1/1 [=====] - 0s 225ms/step
>6241, dr[0.636,0.311], df[0.645,0.015], g[0.809,0.030]
1/1 [=====] - 0s 228ms/step
>6242, dr[0.627,0.367], df[0.730,0.033], g[0.786,0.024]
1/1 [=====] - 0s 218ms/step
>6243, dr[0.660,0.420], df[0.726,0.014], g[0.842,0.032]
1/1 [=====] - 0s 244ms/step
>6244, dr[0.688,0.328], df[0.678,0.016], g[0.841,0.014]
1/1 [=====] - 0s 240ms/step
>6245, dr[0.704,0.356], df[0.684,0.016], g[0.789,0.016]
1/1 [=====] - 0s 222ms/step
>6246, dr[0.748,0.255], df[0.718,0.024], g[0.784,0.032]
1/1 [=====] - 0s 220ms/step
>6247, dr[0.712,0.372], df[0.705,0.015], g[0.785,0.051]
1/1 [=====] - 0s 220ms/step
>6248, dr[0.672,0.509], df[0.625,0.018], g[0.787,0.022]
1/1 [=====] - 0s 219ms/step
>6249, dr[0.692,0.416], df[0.773,0.037], g[0.749,0.021]
1/1 [=====] - 0s 219ms/step
>6250, dr[0.799,0.635], df[0.655,0.015], g[0.830,0.037]
1/1 [=====] - 0s 235ms/step
>6251, dr[0.760,0.230], df[0.707,0.030], g[0.804,0.020]
1/1 [=====] - 0s 221ms/step
>6252, dr[0.673,0.376], df[0.671,0.014], g[0.790,0.019]
1/1 [=====] - 0s 250ms/step
>6253, dr[0.641,0.512], df[0.730,0.018], g[0.805,0.028]
1/1 [=====] - 0s 232ms/step
>6254, dr[0.720,0.482], df[0.739,0.008], g[0.791,0.037]
1/1 [=====] - 0s 236ms/step
>6255, dr[0.700,0.860], df[0.684,0.028], g[0.808,0.017]
1/1 [=====] - 0s 228ms/step
>6256, dr[0.726,0.454], df[0.692,0.013], g[0.769,0.020]
1/1 [=====] - 0s 243ms/step
>6257, dr[0.587,0.465], df[0.698,0.029], g[0.798,0.020]
1/1 [=====] - 0s 236ms/step
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>6258, dr[0.608,0.464], df[0.656,0.039], g[0.813,0.021]
1/1 [=====] - 0s 227ms/step
>6259, dr[0.661,0.626], df[0.684,0.015], g[0.812,0.019]
1/1 [=====] - 0s 249ms/step
>6260, dr[0.676,0.670], df[0.684,0.025], g[0.763,0.020]
1/1 [=====] - 0s 229ms/step
>6261, dr[0.650,0.544], df[0.732,0.035], g[0.755,0.027]
1/1 [=====] - 0s 249ms/step
>6262, dr[0.687,0.367], df[0.710,0.015], g[0.709,0.029]
1/1 [=====] - 0s 254ms/step
>6263, dr[0.654,0.261], df[0.693,0.025], g[0.785,0.028]
1/1 [=====] - 0s 275ms/step
>6264, dr[0.704,0.664], df[0.713,0.020], g[0.791,0.014]
1/1 [=====] - 0s 224ms/step
>6265, dr[0.700,0.372], df[0.596,0.014], g[0.795,0.019]
1/1 [=====] - 0s 232ms/step
>6266, dr[0.641,0.371], df[0.692,0.046], g[0.774,0.019]
1/1 [=====] - 0s 222ms/step
>6267, dr[0.654,0.602], df[0.659,0.023], g[0.736,0.024]
1/1 [=====] - 0s 239ms/step
>6268, dr[0.646,0.529], df[0.677,0.012], g[0.801,0.027]
1/1 [=====] - 0s 222ms/step
>6269, dr[0.681,0.410], df[0.675,0.015], g[0.803,0.020]
1/1 [=====] - 0s 229ms/step
>6270, dr[0.717,0.964], df[0.700,0.036], g[0.752,0.027]
1/1 [=====] - 0s 222ms/step
>6271, dr[0.647,0.597], df[0.792,0.026], g[0.778,0.034]
1/1 [=====] - 0s 220ms/step
>6272, dr[0.701,0.465], df[0.694,0.031], g[0.797,0.092]
1/1 [=====] - 0s 220ms/step
>6273, dr[0.652,0.373], df[0.666,0.012], g[0.749,0.016]
1/1 [=====] - 0s 218ms/step
>6274, dr[0.683,0.427], df[0.748,0.009], g[0.904,0.023]
1/1 [=====] - 0s 225ms/step
>6275, dr[0.699,0.400], df[0.746,0.022], g[0.806,0.023]
1/1 [=====] - 0s 221ms/step
>6276, dr[0.727,0.409], df[0.630,0.019], g[0.794,0.024]
1/1 [=====] - 0s 227ms/step
>6277, dr[0.688,0.416], df[0.717,0.038], g[0.781,0.019]
1/1 [=====] - 0s 219ms/step
>6278, dr[0.736,0.354], df[0.717,0.038], g[0.840,0.020]
1/1 [=====] - 0s 221ms/step
>6279, dr[0.659,0.618], df[0.691,0.034], g[0.801,0.023]
1/1 [=====] - 0s 246ms/step
>6280, dr[0.734,0.551], df[0.693,0.017], g[0.825,0.020]
1/1 [=====] - 0s 226ms/step
>6281, dr[0.683,0.472], df[0.702,0.035], g[0.799,0.016]
1/1 [=====] - 0s 264ms/step
>6282, dr[0.650,0.185], df[0.629,0.019], g[0.721,0.025]
1/1 [=====] - 0s 242ms/step
>6283, dr[0.659,0.388], df[0.639,0.034], g[0.684,0.021]
1/1 [=====] - 0s 232ms/step
>6284, dr[0.679,0.419], df[0.688,0.018], g[0.822,0.016]
1/1 [=====] - 0s 265ms/step
>6285, dr[0.563,0.452], df[0.653,0.021], g[0.823,0.022]
1/1 [=====] - 0s 238ms/step
>6286, dr[0.717,0.433], df[0.672,0.032], g[0.825,0.022]
1/1 [=====] - 0s 245ms/step
>6287, dr[0.715,0.378], df[0.746,0.022], g[0.786,0.030]
1/1 [=====] - 0s 245ms/step
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>6288, dr[0.692,0.161], df[0.690,0.018], g[0.802,0.018]
1/1 [=====] - 0s 222ms/step
>6289, dr[0.698,0.265], df[0.652,0.021], g[0.765,0.026]
1/1 [=====] - 0s 318ms/step
>6290, dr[0.644,0.342], df[0.792,0.025], g[0.736,0.030]
1/1 [=====] - 0s 229ms/step
>6291, dr[0.621,0.676], df[0.740,0.018], g[0.832,0.034]
1/1 [=====] - 0s 222ms/step
>6292, dr[0.679,0.351], df[0.659,0.021], g[0.819,0.028]
1/1 [=====] - 0s 225ms/step
>6293, dr[0.804,0.789], df[0.720,0.013], g[0.837,0.017]
1/1 [=====] - 0s 221ms/step
>6294, dr[0.640,0.408], df[0.772,0.020], g[0.827,0.021]
1/1 [=====] - 0s 402ms/step
>6295, dr[0.712,0.527], df[0.719,0.010], g[0.806,0.028]
1/1 [=====] - 0s 220ms/step
>6296, dr[0.739,0.517], df[0.645,0.025], g[0.773,0.013]
1/1 [=====] - 0s 220ms/step
>6297, dr[0.661,0.527], df[0.735,0.024], g[0.769,0.028]
1/1 [=====] - 0s 238ms/step
>6298, dr[0.778,0.426], df[0.777,0.021], g[0.780,0.021]
1/1 [=====] - 0s 220ms/step
>6299, dr[0.622,0.505], df[0.775,0.063], g[0.836,0.026]
1/1 [=====] - 0s 224ms/step
>6300, dr[0.649,0.467], df[0.725,0.015], g[0.787,0.029]
1/1 [=====] - 0s 231ms/step
>6301, dr[0.677,0.516], df[0.761,0.028], g[0.836,0.018]
1/1 [=====] - 0s 225ms/step
>6302, dr[0.694,0.374], df[0.687,0.015], g[0.770,0.023]
1/1 [=====] - 0s 235ms/step
>6303, dr[0.636,0.313], df[0.667,0.023], g[0.797,0.034]
1/1 [=====] - 0s 242ms/step
>6304, dr[0.721,0.456], df[0.693,0.018], g[0.812,0.022]
1/1 [=====] - 0s 230ms/step
>6305, dr[0.675,0.239], df[0.707,0.024], g[0.779,0.013]
1/1 [=====] - 0s 274ms/step
>6306, dr[0.765,0.258], df[0.773,0.021], g[0.814,0.018]
1/1 [=====] - 0s 221ms/step
>6307, dr[0.650,0.162], df[0.683,0.016], g[0.804,0.015]
1/1 [=====] - 0s 220ms/step
>6308, dr[0.679,0.267], df[0.689,0.028], g[0.822,0.022]
1/1 [=====] - 0s 219ms/step
>6309, dr[0.688,0.401], df[0.659,0.018], g[0.825,0.017]
1/1 [=====] - 0s 288ms/step
>6310, dr[0.713,0.705], df[0.651,0.012], g[0.805,0.020]
1/1 [=====] - 0s 223ms/step
>6311, dr[0.688,0.359], df[0.765,0.043], g[0.825,0.037]
1/1 [=====] - 0s 218ms/step
>6312, dr[0.717,0.181], df[0.697,0.032], g[0.783,0.023]
1/1 [=====] - 0s 217ms/step
>6313, dr[0.725,0.534], df[0.773,0.027], g[0.793,0.017]
1/1 [=====] - 0s 221ms/step
>6314, dr[0.684,0.252], df[0.714,0.022], g[0.805,0.021]
1/1 [=====] - 0s 219ms/step
>6315, dr[0.729,0.349], df[0.708,0.024], g[0.784,0.035]
1/1 [=====] - 0s 454ms/step
>6316, dr[0.631,0.582], df[0.787,0.037], g[0.834,0.039]
1/1 [=====] - 0s 224ms/step
>6317, dr[0.706,0.258], df[0.686,0.014], g[0.798,0.028]
1/1 [=====] - 0s 226ms/step
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>6318, dr[0.685,0.427], df[0.652,0.009], g[0.763,0.021]
1/1 [=====] - 0s 219ms/step
>6319, dr[0.682,0.556], df[0.619,0.031], g[0.851,0.024]
1/1 [=====] - 0s 224ms/step
>6320, dr[0.700,0.165], df[0.762,0.018], g[0.793,0.028]
1/1 [=====] - 0s 246ms/step
>6321, dr[0.694,0.564], df[0.685,0.032], g[0.784,0.017]
1/1 [=====] - 0s 240ms/step
>6322, dr[0.635,0.606], df[0.652,0.014], g[0.883,0.028]
1/1 [=====] - 0s 234ms/step
>6323, dr[0.754,0.355], df[0.762,0.021], g[0.789,0.035]
1/1 [=====] - 0s 240ms/step
>6324, dr[0.650,0.467], df[0.701,0.032], g[0.806,0.015]
1/1 [=====] - 0s 213ms/step
>6325, dr[0.688,0.478], df[0.702,0.014], g[0.847,0.013]
1/1 [=====] - 0s 226ms/step
>6326, dr[0.688,0.388], df[0.727,0.023], g[0.796,0.034]
1/1 [=====] - 0s 224ms/step
>6327, dr[0.658,0.888], df[0.574,0.020], g[0.828,0.026]
1/1 [=====] - 0s 207ms/step
>6328, dr[0.671,0.502], df[0.827,0.042], g[0.819,0.020]
1/1 [=====] - 0s 222ms/step
>6329, dr[0.705,0.303], df[0.699,0.024], g[0.765,0.032]
1/1 [=====] - 0s 215ms/step
>6330, dr[0.765,0.248], df[0.720,0.033], g[0.785,0.015]
1/1 [=====] - 0s 225ms/step
>6331, dr[0.656,0.501], df[0.704,0.021], g[0.753,0.032]
1/1 [=====] - 0s 222ms/step
>6332, dr[0.629,0.724], df[0.713,0.010], g[0.887,0.036]
1/1 [=====] - 0s 258ms/step
>6333, dr[0.663,0.748], df[0.691,0.024], g[0.794,0.012]
1/1 [=====] - 0s 230ms/step
>6334, dr[0.687,0.350], df[0.668,0.023], g[0.776,0.019]
1/1 [=====] - 0s 241ms/step
>6335, dr[0.627,0.280], df[0.734,0.017], g[0.803,0.013]
1/1 [=====] - 0s 235ms/step
>6336, dr[0.706,0.362], df[0.729,0.029], g[0.779,0.041]
1/1 [=====] - 0s 247ms/step
>6337, dr[0.805,0.508], df[0.632,0.008], g[0.800,0.021]
1/1 [=====] - 0s 243ms/step
>6338, dr[0.722,0.183], df[0.722,0.022], g[0.774,0.016]
1/1 [=====] - 0s 256ms/step
>6339, dr[0.625,0.565], df[0.790,0.059], g[0.863,0.021]
1/1 [=====] - 0s 248ms/step
>6340, dr[0.680,0.240], df[0.719,0.035], g[0.788,0.032]
1/1 [=====] - 0s 222ms/step
>6341, dr[0.737,0.388], df[0.766,0.024], g[0.852,0.023]
1/1 [=====] - 0s 321ms/step
>6342, dr[0.661,0.529], df[0.693,0.017], g[0.810,0.033]
1/1 [=====] - 0s 226ms/step
>6343, dr[0.764,0.636], df[0.711,0.022], g[0.850,0.040]
1/1 [=====] - 0s 264ms/step
>6344, dr[0.665,0.537], df[0.676,0.025], g[0.733,0.022]
1/1 [=====] - 0s 231ms/step
>6345, dr[0.677,0.339], df[0.746,0.028], g[0.839,0.029]
1/1 [=====] - 0s 412ms/step
>6346, dr[0.661,0.291], df[0.760,0.032], g[0.831,0.043]
1/1 [=====] - 0s 221ms/step
>6347, dr[0.761,0.541], df[0.629,0.071], g[0.801,0.039]
1/1 [=====] - 0s 216ms/step
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>6348, dr[0.741,0.647], df[0.769,0.079], g[0.776,0.035]
1/1 [=====] - 0s 223ms/step
>6349, dr[0.597,0.707], df[0.659,0.039], g[0.780,0.052]
1/1 [=====] - 0s 261ms/step
>6350, dr[0.642,0.429], df[0.760,0.022], g[0.833,0.026]
1/1 [=====] - 0s 246ms/step
>6351, dr[0.677,0.211], df[0.688,0.033], g[0.799,0.035]
1/1 [=====] - 0s 226ms/step
>6352, dr[0.624,0.328], df[0.714,0.024], g[0.850,0.027]
1/1 [=====] - 0s 228ms/step
>6353, dr[0.779,0.637], df[0.732,0.026], g[0.829,0.019]
1/1 [=====] - 0s 223ms/step
>6354, dr[0.747,0.299], df[0.635,0.018], g[0.878,0.037]
1/1 [=====] - 0s 245ms/step
>6355, dr[0.741,0.369], df[0.850,0.068], g[0.822,0.034]
1/1 [=====] - 0s 232ms/step
>6356, dr[0.652,0.331], df[0.656,0.024], g[0.799,0.023]
1/1 [=====] - 0s 226ms/step
>6357, dr[0.780,0.245], df[0.697,0.021], g[0.797,0.032]
1/1 [=====] - 0s 221ms/step
>6358, dr[0.607,0.278], df[0.657,0.016], g[0.831,0.028]
1/1 [=====] - 0s 215ms/step
>6359, dr[0.654,0.316], df[0.791,0.034], g[0.797,0.032]
1/1 [=====] - 0s 295ms/step
>6360, dr[0.725,0.580], df[0.695,0.021], g[0.861,0.024]
1/1 [=====] - 0s 239ms/step
>6361, dr[0.679,0.379], df[0.644,0.019], g[0.834,0.019]
1/1 [=====] - 0s 227ms/step
>6362, dr[0.740,0.487], df[0.711,0.069], g[0.823,0.029]
1/1 [=====] - 0s 293ms/step
>6363, dr[0.740,0.550], df[0.728,0.034], g[0.865,0.017]
1/1 [=====] - 0s 223ms/step
>6364, dr[0.663,0.267], df[0.651,0.023], g[0.812,0.015]
1/1 [=====] - 0s 243ms/step
>6365, dr[0.683,0.489], df[0.655,0.015], g[0.742,0.019]
1/1 [=====] - 0s 227ms/step
>6366, dr[0.702,0.229], df[0.782,0.036], g[0.801,0.029]
1/1 [=====] - 0s 235ms/step
>6367, dr[0.655,0.629], df[0.659,0.019], g[0.781,0.026]
1/1 [=====] - 0s 244ms/step
>6368, dr[0.690,0.517], df[0.683,0.019], g[0.844,0.018]
1/1 [=====] - 0s 221ms/step
>6369, dr[0.678,0.512], df[0.782,0.011], g[0.799,0.016]
1/1 [=====] - 0s 220ms/step
>6370, dr[0.634,0.176], df[0.654,0.032], g[0.784,0.021]
1/1 [=====] - 0s 222ms/step
>6371, dr[0.619,0.607], df[0.731,0.041], g[0.821,0.033]
1/1 [=====] - 0s 223ms/step
>6372, dr[0.765,0.704], df[0.688,0.019], g[0.843,0.014]
1/1 [=====] - 0s 227ms/step
>6373, dr[0.646,0.693], df[0.616,0.013], g[0.807,0.032]
1/1 [=====] - 0s 221ms/step
>6374, dr[0.731,0.397], df[0.732,0.015], g[0.799,0.017]
1/1 [=====] - 0s 220ms/step
>6375, dr[0.723,0.458], df[0.680,0.023], g[0.788,0.056]
1/1 [=====] - 0s 223ms/step
>6376, dr[0.636,0.702], df[0.804,0.014], g[0.840,0.011]
1/1 [=====] - 0s 224ms/step
>6377, dr[0.820,0.702], df[0.699,0.018], g[0.741,0.029]
1/1 [=====] - 0s 227ms/step
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>6378, dr[0.566,0.557], df[0.795,0.032], g[0.812,0.019]
1/1 [=====] - 0s 226ms/step
>6379, dr[0.690,0.403], df[0.604,0.027], g[0.794,0.017]
1/1 [=====] - 0s 222ms/step
>6380, dr[0.709,0.632], df[0.689,0.020], g[0.761,0.022]
1/1 [=====] - 0s 222ms/step
>6381, dr[0.751,0.634], df[0.676,0.025], g[0.781,0.018]
1/1 [=====] - 0s 217ms/step
>6382, dr[0.679,0.221], df[0.594,0.026], g[0.802,0.014]
1/1 [=====] - 0s 223ms/step
>6383, dr[0.657,0.663], df[0.617,0.027], g[0.752,0.023]
1/1 [=====] - 0s 222ms/step
>6384, dr[0.627,0.482], df[0.754,0.029], g[0.723,0.016]
1/1 [=====] - 0s 223ms/step
>6385, dr[0.617,0.366], df[0.747,0.013], g[0.716,0.028]
1/1 [=====] - 0s 223ms/step
>6386, dr[0.604,0.402], df[0.709,0.032], g[0.767,0.011]
1/1 [=====] - 0s 220ms/step
>6387, dr[0.749,0.619], df[0.680,0.035], g[0.815,0.018]
1/1 [=====] - 0s 226ms/step
>6388, dr[0.769,0.358], df[0.643,0.018], g[0.839,0.047]
1/1 [=====] - 0s 228ms/step
>6389, dr[0.746,0.620], df[0.733,0.040], g[0.851,0.020]
1/1 [=====] - 0s 234ms/step
>6390, dr[0.674,0.502], df[0.744,0.027], g[0.728,0.030]
1/1 [=====] - 0s 221ms/step
>6391, dr[0.784,0.786], df[0.817,0.024], g[0.773,0.014]
1/1 [=====] - 0s 225ms/step
>6392, dr[0.668,0.491], df[0.697,0.018], g[0.819,0.025]
1/1 [=====] - 0s 222ms/step
>6393, dr[0.696,0.461], df[0.733,0.028], g[0.720,0.019]
1/1 [=====] - 0s 220ms/step
>6394, dr[0.616,0.560], df[0.683,0.021], g[0.790,0.051]
1/1 [=====] - 0s 223ms/step
>6395, dr[0.683,0.400], df[0.729,0.027], g[0.869,0.019]
1/1 [=====] - 0s 221ms/step
>6396, dr[0.651,0.533], df[0.731,0.022], g[0.800,0.017]
1/1 [=====] - 0s 220ms/step
>6397, dr[0.605,0.447], df[0.823,0.016], g[0.870,0.021]
1/1 [=====] - 0s 228ms/step
>6398, dr[0.677,0.456], df[0.663,0.009], g[0.837,0.028]
1/1 [=====] - 0s 227ms/step
>6399, dr[0.620,0.402], df[0.657,0.010], g[0.842,0.012]
1/1 [=====] - 0s 229ms/step
>6400, dr[0.734,0.197], df[0.648,0.018], g[0.815,0.024]
1/1 [=====] - 0s 226ms/step
>6401, dr[0.639,0.564], df[0.703,0.102], g[0.808,0.021]
1/1 [=====] - 0s 225ms/step
>6402, dr[0.746,0.509], df[0.668,0.037], g[0.765,0.028]
1/1 [=====] - 0s 284ms/step
>6403, dr[0.705,0.613], df[0.710,0.012], g[0.816,0.029]
1/1 [=====] - 0s 232ms/step
>6404, dr[0.705,0.395], df[0.719,0.023], g[0.795,0.019]
1/1 [=====] - 0s 225ms/step
>6405, dr[0.697,0.532], df[0.703,0.022], g[0.776,0.042]
1/1 [=====] - 0s 227ms/step
>6406, dr[0.602,0.452], df[0.755,0.020], g[0.777,0.031]
1/1 [=====] - 0s 229ms/step
>6407, dr[0.744,0.469], df[0.752,0.023], g[0.834,0.018]
1/1 [=====] - 0s 229ms/step
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>6408, dr[0.641,0.675], df[0.669,0.014], g[0.793,0.019]
1/1 [=====] - 0s 227ms/step
>6409, dr[0.696,0.362], df[0.660,0.031], g[0.788,0.040]
1/1 [=====] - 0s 222ms/step
>6410, dr[0.705,0.534], df[0.713,0.042], g[0.788,0.016]
1/1 [=====] - 0s 244ms/step
>6411, dr[0.640,0.497], df[0.640,0.030], g[0.761,0.020]
1/1 [=====] - 0s 227ms/step
>6412, dr[0.748,0.502], df[0.667,0.013], g[0.795,0.014]
1/1 [=====] - 0s 223ms/step
>6413, dr[0.629,0.358], df[0.709,0.042], g[0.801,0.020]
1/1 [=====] - 0s 223ms/step
>6414, dr[0.704,0.201], df[0.845,0.026], g[0.855,0.014]
1/1 [=====] - 0s 224ms/step
>6415, dr[0.719,0.566], df[0.617,0.025], g[0.783,0.019]
1/1 [=====] - 0s 227ms/step
>6416, dr[0.651,0.351], df[0.665,0.021], g[0.760,0.037]
1/1 [=====] - 0s 223ms/step
>6417, dr[0.669,0.741], df[0.717,0.052], g[0.807,0.013]
1/1 [=====] - 0s 228ms/step
>6418, dr[0.656,0.361], df[0.685,0.017], g[0.841,0.029]
1/1 [=====] - 0s 224ms/step
>6419, dr[0.648,0.919], df[0.695,0.010], g[0.816,0.022]
1/1 [=====] - 0s 226ms/step
>6420, dr[0.755,0.659], df[0.669,0.026], g[0.855,0.016]
1/1 [=====] - 0s 224ms/step
>6421, dr[0.737,0.396], df[0.696,0.045], g[0.796,0.013]
1/1 [=====] - 0s 226ms/step
>6422, dr[0.744,0.306], df[0.683,0.021], g[0.758,0.025]
1/1 [=====] - 0s 223ms/step
>6423, dr[0.606,0.322], df[0.757,0.035], g[0.777,0.020]
1/1 [=====] - 0s 244ms/step
>6424, dr[0.630,0.457], df[0.803,0.022], g[0.842,0.030]
1/1 [=====] - 0s 246ms/step
>6425, dr[0.735,0.432], df[0.764,0.020], g[0.847,0.025]
1/1 [=====] - 0s 239ms/step
>6426, dr[0.667,0.452], df[0.702,0.029], g[0.815,0.015]
1/1 [=====] - 0s 274ms/step
>6427, dr[0.688,0.303], df[0.675,0.007], g[0.854,0.016]
1/1 [=====] - 0s 244ms/step
>6428, dr[0.682,0.589], df[0.727,0.018], g[0.882,0.015]
1/1 [=====] - 0s 244ms/step
>6429, dr[0.657,0.395], df[0.731,0.015], g[0.821,0.025]
1/1 [=====] - 0s 246ms/step
>6430, dr[0.717,0.332], df[0.633,0.025], g[0.817,0.014]
1/1 [=====] - 0s 237ms/step
>6431, dr[0.706,0.382], df[0.678,0.023], g[0.830,0.016]
1/1 [=====] - 0s 229ms/step
>6432, dr[0.649,0.320], df[0.699,0.030], g[0.743,0.044]
1/1 [=====] - 0s 237ms/step
>6433, dr[0.703,0.846], df[0.691,0.045], g[0.731,0.021]
1/1 [=====] - 0s 247ms/step
>6434, dr[0.688,0.626], df[0.694,0.014], g[0.756,0.026]
1/1 [=====] - 0s 246ms/step
>6435, dr[0.680,0.569], df[0.741,0.042], g[0.800,0.029]
1/1 [=====] - 0s 232ms/step
>6436, dr[0.733,0.399], df[0.741,0.026], g[0.726,0.041]
1/1 [=====] - 0s 222ms/step
>6437, dr[0.616,0.509], df[0.655,0.023], g[0.785,0.022]
1/1 [=====] - 0s 223ms/step
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>6438, dr[0.658,0.400], df[0.644,0.033], g[0.805,0.022]
1/1 [=====] - 0s 227ms/step
>6439, dr[0.677,0.836], df[0.654,0.024], g[0.703,0.023]
1/1 [=====] - 0s 244ms/step
>6440, dr[0.694,0.303], df[0.699,0.058], g[0.715,0.023]
1/1 [=====] - 0s 230ms/step
>6441, dr[0.661,0.558], df[0.705,0.014], g[0.743,0.025]
1/1 [=====] - 0s 227ms/step
>6442, dr[0.659,0.650], df[0.692,0.019], g[0.772,0.014]
1/1 [=====] - 0s 229ms/step
>6443, dr[0.649,0.317], df[0.678,0.038], g[0.790,0.039]
1/1 [=====] - 0s 220ms/step
>6444, dr[0.614,0.511], df[0.763,0.043], g[0.831,0.017]
1/1 [=====] - 0s 226ms/step
>6445, dr[0.771,0.560], df[0.676,0.015], g[0.702,0.020]
1/1 [=====] - 0s 224ms/step
>6446, dr[0.652,0.477], df[0.823,0.013], g[0.781,0.016]
1/1 [=====] - 0s 227ms/step
>6447, dr[0.646,0.498], df[0.711,0.018], g[0.790,0.030]
1/1 [=====] - 0s 244ms/step
>6448, dr[0.705,0.420], df[0.695,0.029], g[0.732,0.036]
1/1 [=====] - 0s 229ms/step
>6449, dr[0.675,0.339], df[0.742,0.018], g[0.759,0.026]
1/1 [=====] - 0s 228ms/step
>6450, dr[0.678,0.615], df[0.679,0.021], g[0.780,0.021]
1/1 [=====] - 0s 228ms/step
>6451, dr[0.729,0.414], df[0.756,0.022], g[0.777,0.029]
1/1 [=====] - 0s 231ms/step
>6452, dr[0.685,0.433], df[0.731,0.017], g[0.830,0.023]
1/1 [=====] - 0s 225ms/step
>6453, dr[0.710,0.451], df[0.721,0.061], g[0.852,0.029]
1/1 [=====] - 0s 226ms/step
>6454, dr[0.701,0.449], df[0.731,0.054], g[0.860,0.030]
1/1 [=====] - 0s 226ms/step
>6455, dr[0.648,0.316], df[0.635,0.029], g[0.831,0.037]
1/1 [=====] - 0s 225ms/step
>6456, dr[0.650,0.518], df[0.730,0.015], g[0.777,0.042]
1/1 [=====] - 0s 228ms/step
>6457, dr[0.610,0.386], df[0.658,0.032], g[0.804,0.018]
1/1 [=====] - 0s 223ms/step
>6458, dr[0.717,0.553], df[0.732,0.016], g[0.815,0.020]
1/1 [=====] - 0s 222ms/step
>6459, dr[0.740,0.401], df[0.637,0.023], g[0.794,0.024]
1/1 [=====] - 0s 232ms/step
>6460, dr[0.714,0.314], df[0.756,0.087], g[0.865,0.022]
1/1 [=====] - 0s 227ms/step
>6461, dr[0.663,0.818], df[0.651,0.018], g[0.810,0.019]
1/1 [=====] - 0s 224ms/step
>6462, dr[0.658,0.796], df[0.738,0.035], g[0.830,0.017]
1/1 [=====] - 0s 221ms/step
>6463, dr[0.692,0.514], df[0.675,0.025], g[0.810,0.022]
1/1 [=====] - 0s 226ms/step
>6464, dr[0.723,0.639], df[0.673,0.015], g[0.809,0.024]
1/1 [=====] - 0s 224ms/step
>6465, dr[0.645,0.477], df[0.692,0.023], g[0.779,0.021]
1/1 [=====] - 0s 229ms/step
>6466, dr[0.672,0.751], df[0.669,0.052], g[0.777,0.029]
1/1 [=====] - 0s 227ms/step
>6467, dr[0.722,0.276], df[0.682,0.041], g[0.767,0.046]
1/1 [=====] - 0s 230ms/step
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>6468, dr[0.716,0.191], df[0.786,0.014], g[0.793,0.030]
1/1 [=====] - 0s 230ms/step
>6469, dr[0.625,0.428], df[0.701,0.032], g[0.885,0.023]
1/1 [=====] - 0s 230ms/step
>6470, dr[0.675,0.284], df[0.758,0.013], g[0.762,0.020]
1/1 [=====] - 0s 246ms/step
>6471, dr[0.743,0.335], df[0.723,0.068], g[0.776,0.036]
1/1 [=====] - 0s 228ms/step
>6472, dr[0.690,0.559], df[0.656,0.023], g[0.758,0.022]
1/1 [=====] - 0s 228ms/step
>6473, dr[0.700,0.254], df[0.725,0.028], g[0.829,0.017]
1/1 [=====] - 0s 228ms/step
>6474, dr[0.682,0.453], df[0.667,0.020], g[0.734,0.016]
1/1 [=====] - 0s 224ms/step
>6475, dr[0.697,0.208], df[0.757,0.018], g[0.729,0.038]
1/1 [=====] - 0s 228ms/step
>6476, dr[0.674,0.351], df[0.714,0.018], g[0.767,0.020]
1/1 [=====] - 0s 227ms/step
>6477, dr[0.699,0.264], df[0.700,0.013], g[0.789,0.017]
1/1 [=====] - 0s 228ms/step
>6478, dr[0.670,0.695], df[0.721,0.016], g[0.779,0.030]
1/1 [=====] - 0s 246ms/step
>6479, dr[0.642,0.348], df[0.833,0.017], g[0.700,0.021]
1/1 [=====] - 0s 224ms/step
>6480, dr[0.691,0.447], df[0.713,0.035], g[0.763,0.026]
1/1 [=====] - 0s 224ms/step
>6481, dr[0.658,0.353], df[0.723,0.010], g[0.791,0.034]
1/1 [=====] - 0s 231ms/step
>6482, dr[0.673,0.367], df[0.635,0.020], g[0.801,0.023]
1/1 [=====] - 0s 229ms/step
>6483, dr[0.711,0.589], df[0.771,0.021], g[0.812,0.030]
1/1 [=====] - 0s 229ms/step
>6484, dr[0.702,0.152], df[0.730,0.024], g[0.827,0.016]
1/1 [=====] - 0s 228ms/step
>6485, dr[0.677,0.642], df[0.665,0.025], g[0.776,0.053]
1/1 [=====] - 0s 233ms/step
>6486, dr[0.663,0.485], df[0.754,0.020], g[0.835,0.035]
1/1 [=====] - 0s 232ms/step
>6487, dr[0.614,0.383], df[0.693,0.023], g[0.816,0.057]
1/1 [=====] - 0s 227ms/step
>6488, dr[0.710,0.747], df[0.622,0.035], g[0.810,0.026]
1/1 [=====] - 0s 226ms/step
>6489, dr[0.688,0.527], df[0.647,0.028], g[0.762,0.014]
1/1 [=====] - 0s 229ms/step
>6490, dr[0.775,0.411], df[0.757,0.035], g[0.796,0.023]
1/1 [=====] - 0s 226ms/step
>6491, dr[0.669,0.343], df[0.793,0.028], g[0.782,0.035]
1/1 [=====] - 0s 228ms/step
>6492, dr[0.675,0.341], df[0.743,0.014], g[0.856,0.021]
1/1 [=====] - 0s 230ms/step
>6493, dr[0.636,0.488], df[0.736,0.092], g[0.789,0.054]
1/1 [=====] - 0s 243ms/step
>6494, dr[0.753,0.443], df[0.709,0.017], g[0.773,0.037]
1/1 [=====] - 0s 237ms/step
>6495, dr[0.713,0.407], df[0.664,0.015], g[0.820,0.019]
1/1 [=====] - 0s 230ms/step
>6496, dr[0.722,0.680], df[0.620,0.017], g[0.821,0.015]
1/1 [=====] - 0s 229ms/step
>6497, dr[0.720,0.403], df[0.764,0.026], g[0.759,0.025]
1/1 [=====] - 0s 227ms/step
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>6498, dr[0.716,0.468], df[0.731,0.029], g[0.804,0.018]
1/1 [=====] - 0s 227ms/step
>6499, dr[0.621,0.275], df[0.662,0.008], g[0.804,0.019]
1/1 [=====] - 0s 229ms/step
>6500, dr[0.671,0.302], df[0.725,0.011], g[0.763,0.012]
1/1 [=====] - 0s 228ms/step
>6501, dr[0.680,0.614], df[0.750,0.019], g[0.824,0.050]
1/1 [=====] - 0s 232ms/step
>6502, dr[0.646,0.120], df[0.774,0.019], g[0.741,0.026]
1/1 [=====] - 0s 232ms/step
>6503, dr[0.696,0.422], df[0.749,0.022], g[0.824,0.027]
1/1 [=====] - 0s 307ms/step
>6504, dr[0.716,0.452], df[0.740,0.020], g[0.841,0.023]
1/1 [=====] - 0s 226ms/step
>6505, dr[0.740,0.610], df[0.715,0.024], g[0.769,0.028]
1/1 [=====] - 0s 227ms/step
>6506, dr[0.684,0.419], df[0.707,0.021], g[0.785,0.017]
1/1 [=====] - 0s 250ms/step
>6507, dr[0.760,0.957], df[0.629,0.023], g[0.741,0.033]
1/1 [=====] - 0s 246ms/step
>6508, dr[0.578,0.535], df[0.727,0.020], g[0.762,0.039]
1/1 [=====] - 0s 251ms/step
>6509, dr[0.674,0.509], df[0.688,0.030], g[0.753,0.044]
1/1 [=====] - 0s 242ms/step
>6510, dr[0.616,0.325], df[0.679,0.019], g[0.790,0.025]
1/1 [=====] - 0s 229ms/step
>6511, dr[0.735,0.600], df[0.755,0.030], g[0.759,0.017]
1/1 [=====] - 0s 228ms/step
>6512, dr[0.707,0.166], df[0.748,0.054], g[0.732,0.015]
1/1 [=====] - 0s 230ms/step
>6513, dr[0.706,0.539], df[0.714,0.013], g[0.794,0.027]
1/1 [=====] - 0s 231ms/step
>6514, dr[0.617,0.394], df[0.669,0.011], g[0.758,0.022]
1/1 [=====] - 0s 242ms/step
>6515, dr[0.628,0.402], df[0.717,0.020], g[0.801,0.016]
1/1 [=====] - 0s 240ms/step
>6516, dr[0.683,0.178], df[0.741,0.020], g[0.745,0.026]
1/1 [=====] - 0s 225ms/step
>6517, dr[0.667,0.198], df[0.655,0.029], g[0.778,0.022]
1/1 [=====] - 0s 229ms/step
>6518, dr[0.799,0.209], df[0.720,0.024], g[0.791,0.034]
1/1 [=====] - 0s 227ms/step
>6519, dr[0.653,0.222], df[0.639,0.019], g[0.827,0.020]
1/1 [=====] - 0s 232ms/step
>6520, dr[0.713,0.370], df[0.676,0.026], g[0.749,0.030]
1/1 [=====] - 0s 230ms/step
>6521, dr[0.696,0.480], df[0.713,0.033], g[0.841,0.036]
1/1 [=====] - 0s 277ms/step
>6522, dr[0.730,0.621], df[0.725,0.014], g[0.821,0.034]
1/1 [=====] - 0s 228ms/step
>6523, dr[0.721,0.582], df[0.667,0.011], g[0.750,0.023]
1/1 [=====] - 0s 260ms/step
>6524, dr[0.741,0.467], df[0.801,0.021], g[0.868,0.023]
1/1 [=====] - 0s 242ms/step
>6525, dr[0.620,0.270], df[0.643,0.023], g[0.802,0.024]
1/1 [=====] - 0s 238ms/step
>6526, dr[0.676,0.382], df[0.766,0.015], g[0.784,0.026]
1/1 [=====] - 0s 253ms/step
>6527, dr[0.651,0.417], df[0.726,0.045], g[0.839,0.025]
1/1 [=====] - 0s 244ms/step
```

```
>6528, dr[0.635,0.422], df[0.692,0.015], g[0.878,0.032]
1/1 [=====] - 0s 255ms/step
>6529, dr[0.693,0.566], df[0.697,0.021], g[0.825,0.021]
1/1 [=====] - 0s 241ms/step
>6530, dr[0.670,0.358], df[0.677,0.017], g[0.832,0.042]
1/1 [=====] - 0s 227ms/step
>6531, dr[0.816,0.592], df[0.632,0.016], g[0.850,0.018]
1/1 [=====] - 0s 466ms/step
>6532, dr[0.744,0.561], df[0.686,0.021], g[0.771,0.022]
1/1 [=====] - 0s 230ms/step
>6533, dr[0.713,0.409], df[0.667,0.026], g[0.762,0.014]
1/1 [=====] - 0s 233ms/step
>6534, dr[0.630,0.460], df[0.704,0.015], g[0.807,0.028]
1/1 [=====] - 0s 250ms/step
>6535, dr[0.612,0.220], df[0.681,0.030], g[0.798,0.015]
1/1 [=====] - 0s 250ms/step
>6536, dr[0.614,0.613], df[0.754,0.018], g[0.830,0.031]
1/1 [=====] - 0s 250ms/step
>6537, dr[0.685,0.290], df[0.728,0.021], g[0.825,0.026]
1/1 [=====] - 0s 236ms/step
>6538, dr[0.697,0.425], df[0.620,0.007], g[0.820,0.030]
1/1 [=====] - 0s 231ms/step
>6539, dr[0.758,0.264], df[0.670,0.009], g[0.812,0.028]
1/1 [=====] - 0s 235ms/step
>6540, dr[0.598,0.399], df[0.712,0.021], g[0.776,0.047]
1/1 [=====] - 0s 249ms/step
>6541, dr[0.655,0.506], df[0.682,0.039], g[0.826,0.014]
1/1 [=====] - 0s 231ms/step
>6542, dr[0.719,0.398], df[0.663,0.035], g[0.781,0.020]
1/1 [=====] - 0s 291ms/step
>6543, dr[0.676,0.479], df[0.701,0.013], g[0.772,0.019]
1/1 [=====] - 0s 224ms/step
>6544, dr[0.646,0.498], df[0.763,0.014], g[0.803,0.021]
1/1 [=====] - 0s 232ms/step
>6545, dr[0.709,0.530], df[0.645,0.015], g[0.804,0.015]
1/1 [=====] - 0s 228ms/step
>6546, dr[0.657,0.440], df[0.707,0.007], g[0.765,0.023]
1/1 [=====] - 0s 227ms/step
>6547, dr[0.671,0.179], df[0.696,0.009], g[0.773,0.015]
1/1 [=====] - 0s 229ms/step
>6548, dr[0.710,0.274], df[0.703,0.012], g[0.786,0.026]
1/1 [=====] - 0s 226ms/step
>6549, dr[0.707,0.370], df[0.662,0.017], g[0.842,0.040]
1/1 [=====] - 0s 241ms/step
>6550, dr[0.650,0.469], df[0.746,0.011], g[0.824,0.013]
1/1 [=====] - 0s 232ms/step
>6551, dr[0.766,0.517], df[0.792,0.021], g[0.753,0.015]
1/1 [=====] - 0s 230ms/step
>6552, dr[0.680,0.819], df[0.785,0.037], g[0.737,0.027]
1/1 [=====] - 0s 224ms/step
>6553, dr[0.599,0.377], df[0.713,0.045], g[0.799,0.013]
1/1 [=====] - 0s 233ms/step
>6554, dr[0.675,0.316], df[0.683,0.032], g[0.833,0.022]
1/1 [=====] - 0s 229ms/step
>6555, dr[0.712,0.287], df[0.668,0.030], g[0.782,0.023]
1/1 [=====] - 0s 229ms/step
>6556, dr[0.706,0.469], df[0.695,0.016], g[0.746,0.022]
1/1 [=====] - 0s 233ms/step
>6557, dr[0.643,0.420], df[0.755,0.015], g[0.830,0.027]
1/1 [=====] - 0s 266ms/step
```

```
>6558, dr[0.632,0.364], df[0.714,0.024], g[0.828,0.036]
1/1 [=====] - 0s 269ms/step
>6559, dr[0.663,0.356], df[0.677,0.010], g[0.744,0.020]
4/4 [=====] - 1s 165ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_6559.png and model_6559.h5
The runtime to fit this model was: 1:37:06.320083.
```

Let's show a summary of the discriminator structure.

```
In [2]: discriminator.summary()
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout)	(None, 14, 14, 32)	0	['leaky_re_lu[0][0]']
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNormalization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU)	(None, 14, 14, 64)	0	['batch_normalization[0][0]']
dropout_1 (Dropout)	(None, 14, 14, 64)	0	['leaky_re_lu_1[0][0]']
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNormalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU)	(None, 7, 7, 128)	0	['batch_normalization_1[0][0]']
dropout_2 (Dropout)	(None, 7, 7, 128)	0	['leaky_re_lu_2[0][0]']
flatten (Flatten)	(None, 6272)	0	['dropout_2[0][0]']
dense (Dense)	(None, 1)	6273	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	62730	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 162,443			
Trainable params: 384			
Non-trainable params: 162,059			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_3 (InputLayer)	[(None, 100)]	0	[]
input_2 (InputLayer)	[(None, 1)]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_2 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_2[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

9.2) Evaluate Model Performance

Let's generate fake clothing images that we can use to calculate the inception scores.

In [1]:

```
# example of loading the generator model and generating images
from math import sqrt
from numpy import asarray
```

```
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np

model = load_model('model_6559.h5')
latent_dim = 100
n_examples = 300

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()

# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0

# Generate Trouser Images
n_class = 1
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0
```

```
# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0
```

```

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0


# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0


Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.

```

warnings.warn(
10/10 [=====] - 1s 62ms/step
10/10 [=====] - 1s 55ms/step
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 63ms/step
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 65ms/step
10/10 [=====] - 1s 70ms/step
10/10 [=====] - 1s 61ms/step
10/10 [=====] - 1s 56ms/step
10/10 [=====] - 1s 60ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [2]: # calculate inception score in Keras
from math import floor

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 18s 1s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 15s 2s/step
10/10 [=====] - 15s 2s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 16s 1s/step
10/10 [=====] - 15s 1s/step
score 1.220527 0.0050922907
```

10) Model 9 - Experimentation with AC-GAN Momentum

10.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.9)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)

```

```

# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and Label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.9)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)

```

```

# generate Labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in Latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=7, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in Latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error

```

```
_ ,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f,
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
    warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 189ms/step  
>1, dr[0.535,3.312], df[1.510,3.273], g[0.537,2.978]  
1/1 [=====] - 0s 74ms/step  
>2, dr[0.455,3.243], df[1.322,2.934], g[0.631,3.429]  
1/1 [=====] - 0s 65ms/step  
>3, dr[0.657,3.376], df[1.169,2.924], g[0.820,2.919]  
1/1 [=====] - 0s 71ms/step  
>4, dr[0.874,2.798], df[1.048,2.742], g[0.829,3.020]  
1/1 [=====] - 0s 69ms/step  
>5, dr[0.608,3.055], df[1.098,3.360], g[1.235,3.107]  
1/1 [=====] - 0s 75ms/step  
>6, dr[0.765,2.883], df[0.733,3.564], g[1.350,3.117]  
1/1 [=====] - 0s 68ms/step  
>7, dr[0.882,2.774], df[0.606,3.018], g[1.432,3.401]  
1/1 [=====] - 0s 81ms/step  
>8, dr[0.790,2.737], df[0.466,3.086], g[1.461,3.266]  
1/1 [=====] - 0s 65ms/step  
>9, dr[0.749,2.997], df[0.406,2.982], g[1.585,3.359]  
1/1 [=====] - 0s 78ms/step  
>10, dr[1.006,2.524], df[0.387,3.238], g[1.126,2.946]  
1/1 [=====] - 0s 70ms/step  
>11, dr[0.822,2.652], df[0.519,2.917], g[1.364,2.983]  
1/1 [=====] - 0s 74ms/step  
>12, dr[0.571,2.939], df[0.616,3.260], g[1.470,3.362]  
1/1 [=====] - 0s 70ms/step  
>13, dr[0.322,2.751], df[0.530,2.810], g[1.337,3.145]  
1/1 [=====] - 0s 65ms/step  
>14, dr[0.287,2.992], df[0.586,3.103], g[1.557,2.861]  
1/1 [=====] - 0s 73ms/step  
>15, dr[0.435,2.394], df[0.643,3.418], g[1.515,3.156]  
1/1 [=====] - 0s 66ms/step  
>16, dr[0.452,2.348], df[0.491,3.066], g[1.476,3.185]  
1/1 [=====] - 0s 65ms/step  
>17, dr[0.199,2.503], df[0.464,2.952], g[1.760,3.058]  
1/1 [=====] - 0s 67ms/step  
>18, dr[0.381,2.120], df[0.628,3.453], g[2.046,2.871]  
1/1 [=====] - 0s 66ms/step  
>19, dr[0.310,2.074], df[0.293,3.083], g[1.814,3.258]  
1/1 [=====] - 0s 66ms/step  
>20, dr[0.362,2.075], df[0.262,3.295], g[2.049,3.100]  
1/1 [=====] - 0s 66ms/step  
>21, dr[0.485,1.942], df[0.239,2.849], g[2.063,3.003]  
1/1 [=====] - 0s 67ms/step  
>22, dr[0.400,1.754], df[0.291,2.570], g[2.112,3.084]  
1/1 [=====] - 0s 63ms/step  
>23, dr[0.286,2.136], df[0.219,3.338], g[2.220,3.166]  
1/1 [=====] - 0s 67ms/step  
>24, dr[0.253,1.790], df[0.268,3.467], g[1.660,3.172]  
1/1 [=====] - 0s 65ms/step  
>25, dr[0.328,2.090], df[0.389,2.931], g[1.871,2.864]  
1/1 [=====] - 0s 73ms/step  
>26, dr[0.257,2.071], df[0.387,3.218], g[1.629,2.926]  
1/1 [=====] - 0s 66ms/step  
>27, dr[0.226,1.837], df[0.285,3.096], g[1.414,3.670]  
1/1 [=====] - 0s 78ms/step  
>28, dr[0.197,2.031], df[0.379,3.155], g[1.344,3.523]  
1/1 [=====] - 0s 64ms/step  
>29, dr[0.227,1.865], df[0.298,3.075], g[1.566,2.886]  
1/1 [=====] - 0s 71ms/step
```

```
>30, dr[0.239,1.660], df[0.359,3.119], g[1.436,2.932]
1/1 [=====] - 0s 66ms/step
>31, dr[0.327,1.876], df[0.280,3.052], g[1.305,2.974]
1/1 [=====] - 0s 80ms/step
>32, dr[0.285,1.690], df[0.279,2.886], g[1.396,2.905]
1/1 [=====] - 0s 69ms/step
>33, dr[0.274,1.617], df[0.310,3.317], g[1.333,3.396]
1/1 [=====] - 0s 71ms/step
>34, dr[0.250,2.107], df[0.175,3.228], g[1.278,3.159]
1/1 [=====] - 0s 66ms/step
>35, dr[0.293,1.917], df[0.199,2.790], g[1.302,3.080]
1/1 [=====] - 0s 74ms/step
>36, dr[0.341,1.859], df[0.277,2.977], g[1.362,3.151]
1/1 [=====] - 0s 71ms/step
>37, dr[0.357,1.737], df[0.211,2.790], g[1.004,3.035]
1/1 [=====] - 0s 70ms/step
>38, dr[0.257,1.396], df[0.250,2.748], g[0.894,3.059]
1/1 [=====] - 0s 68ms/step
>39, dr[0.145,1.988], df[0.236,2.641], g[0.941,2.827]
1/1 [=====] - 0s 73ms/step
>40, dr[0.142,1.593], df[0.172,3.582], g[0.826,3.099]
1/1 [=====] - 0s 66ms/step
>41, dr[0.265,1.572], df[0.077,3.078], g[0.800,3.155]
1/1 [=====] - 0s 73ms/step
>42, dr[0.204,1.376], df[0.192,3.023], g[0.846,2.980]
1/1 [=====] - 0s 63ms/step
>43, dr[0.121,1.250], df[0.136,2.815], g[0.620,3.304]
1/1 [=====] - 0s 73ms/step
>44, dr[0.295,1.770], df[0.179,2.941], g[0.544,3.010]
1/1 [=====] - 0s 67ms/step
>45, dr[0.107,1.360], df[0.123,3.334], g[0.574,2.682]
1/1 [=====] - 0s 69ms/step
>46, dr[0.176,1.363], df[0.114,3.033], g[0.526,3.028]
1/1 [=====] - 0s 65ms/step
>47, dr[0.139,1.484], df[0.237,2.954], g[0.379,2.831]
1/1 [=====] - 0s 77ms/step
>48, dr[0.150,1.132], df[0.196,3.092], g[0.436,3.181]
1/1 [=====] - 0s 68ms/step
>49, dr[0.173,1.589], df[0.188,3.404], g[0.537,2.997]
1/1 [=====] - 0s 73ms/step
>50, dr[0.122,1.272], df[0.173,3.211], g[0.395,2.883]
1/1 [=====] - 0s 70ms/step
>51, dr[0.111,1.683], df[0.170,3.166], g[0.311,3.743]
1/1 [=====] - 0s 77ms/step
>52, dr[0.131,1.445], df[0.113,3.382], g[0.354,2.608]
1/1 [=====] - 0s 71ms/step
>53, dr[0.215,1.344], df[0.081,2.952], g[0.293,3.052]
1/1 [=====] - 0s 73ms/step
>54, dr[0.104,1.533], df[0.120,3.501], g[0.232,3.125]
1/1 [=====] - 0s 66ms/step
>55, dr[0.252,1.484], df[0.183,3.421], g[0.142,3.279]
1/1 [=====] - 0s 79ms/step
>56, dr[0.099,1.155], df[0.164,3.226], g[0.155,3.008]
1/1 [=====] - 0s 68ms/step
>57, dr[0.233,1.263], df[0.116,2.760], g[0.135,3.190]
1/1 [=====] - 0s 69ms/step
>58, dr[0.184,1.240], df[0.213,3.151], g[0.067,3.441]
1/1 [=====] - 0s 70ms/step
>59, dr[0.103,1.429], df[0.204,3.235], g[0.116,3.154]
1/1 [=====] - 0s 70ms/step
```

```
>60, dr[0.217,0.770], df[0.155,3.244], g[0.107,3.073]
1/1 [=====] - 0s 69ms/step
>61, dr[0.191,1.380], df[0.135,2.747], g[0.099,2.716]
1/1 [=====] - 0s 70ms/step
>62, dr[0.078,1.504], df[0.199,3.456], g[0.113,3.144]
1/1 [=====] - 0s 67ms/step
>63, dr[0.206,1.454], df[0.249,2.987], g[0.076,2.979]
1/1 [=====] - 0s 66ms/step
>64, dr[0.087,1.308], df[0.166,3.050], g[0.098,3.134]
1/1 [=====] - 0s 68ms/step
>65, dr[0.259,1.105], df[0.088,3.139], g[0.077,2.797]
1/1 [=====] - 0s 66ms/step
>66, dr[0.211,1.324], df[0.143,3.166], g[0.067,3.256]
1/1 [=====] - 0s 72ms/step
>67, dr[0.179,1.622], df[0.117,3.153], g[0.133,3.091]
1/1 [=====] - 0s 66ms/step
>68, dr[0.235,1.431], df[0.185,2.778], g[0.078,3.280]
1/1 [=====] - 0s 65ms/step
>69, dr[0.159,1.359], df[0.216,3.460], g[0.073,2.829]
1/1 [=====] - 0s 66ms/step
>70, dr[0.111,1.366], df[0.073,3.011], g[0.089,2.730]
1/1 [=====] - 0s 64ms/step
>71, dr[0.099,1.286], df[0.126,3.150], g[0.193,3.068]
1/1 [=====] - 0s 65ms/step
>72, dr[0.208,1.235], df[0.051,2.678], g[0.191,3.477]
1/1 [=====] - 0s 70ms/step
>73, dr[0.152,1.094], df[0.082,3.163], g[0.153,3.328]
1/1 [=====] - 0s 67ms/step
>74, dr[0.217,1.342], df[0.090,3.509], g[0.169,3.332]
1/1 [=====] - 0s 67ms/step
>75, dr[0.174,0.959], df[0.061,3.614], g[0.193,2.970]
1/1 [=====] - 0s 66ms/step
>76, dr[0.209,0.952], df[0.111,3.642], g[0.148,3.179]
1/1 [=====] - 0s 67ms/step
>77, dr[0.053,1.425], df[0.133,3.219], g[0.072,2.846]
1/1 [=====] - 0s 63ms/step
>78, dr[0.081,0.956], df[0.118,2.797], g[0.066,3.178]
1/1 [=====] - 0s 67ms/step
>79, dr[0.171,1.741], df[0.105,3.014], g[0.050,2.965]
1/1 [=====] - 0s 70ms/step
>80, dr[0.043,1.250], df[0.067,3.691], g[0.060,2.916]
1/1 [=====] - 0s 69ms/step
>81, dr[0.200,1.286], df[0.080,2.965], g[0.052,3.041]
1/1 [=====] - 0s 67ms/step
>82, dr[0.138,1.105], df[0.076,3.428], g[0.077,3.247]
1/1 [=====] - 0s 72ms/step
>83, dr[0.089,1.116], df[0.042,3.606], g[0.053,3.288]
1/1 [=====] - 0s 65ms/step
>84, dr[0.075,1.202], df[0.082,3.257], g[0.032,3.394]
1/1 [=====] - 0s 63ms/step
>85, dr[0.053,0.910], df[0.080,3.031], g[0.052,3.490]
1/1 [=====] - 0s 67ms/step
>86, dr[0.170,1.178], df[0.083,3.079], g[0.057,3.294]
1/1 [=====] - 0s 67ms/step
>87, dr[0.087,1.263], df[0.074,3.191], g[0.072,3.219]
1/1 [=====] - 0s 67ms/step
>88, dr[0.046,0.809], df[0.087,3.038], g[0.108,3.345]
1/1 [=====] - 0s 68ms/step
>89, dr[0.040,1.338], df[0.074,3.291], g[0.065,3.407]
1/1 [=====] - 0s 73ms/step
```

```
>90, dr[0.089,0.833], df[0.025,3.180], g[0.081,3.281]
1/1 [=====] - 0s 71ms/step
>91, dr[0.061,1.129], df[0.078,3.292], g[0.068,3.233]
1/1 [=====] - 0s 66ms/step
>92, dr[0.030,1.314], df[0.060,3.399], g[0.089,3.203]
1/1 [=====] - 0s 67ms/step
>93, dr[0.060,1.371], df[0.025,3.056], g[0.070,2.923]
1/1 [=====] - 0s 74ms/step
>94, dr[0.057,1.086], df[0.025,3.122], g[0.047,3.079]
1/1 [=====] - 0s 68ms/step
>95, dr[0.131,0.822], df[0.031,3.606], g[0.083,3.110]
1/1 [=====] - 0s 71ms/step
>96, dr[0.068,1.109], df[0.034,2.905], g[0.066,3.302]
1/1 [=====] - 0s 72ms/step
>97, dr[0.052,0.985], df[0.042,3.347], g[0.045,3.228]
1/1 [=====] - 0s 70ms/step
>98, dr[0.034,1.073], df[0.024,3.405], g[0.033,3.218]
1/1 [=====] - 0s 72ms/step
>99, dr[0.025,1.128], df[0.034,3.385], g[0.038,2.945]
1/1 [=====] - 0s 68ms/step
>100, dr[0.050,0.747], df[0.060,2.865], g[0.020,3.487]
1/1 [=====] - 0s 68ms/step
>101, dr[0.024,1.114], df[0.059,3.266], g[0.030,2.769]
1/1 [=====] - 0s 70ms/step
>102, dr[0.064,0.925], df[0.046,2.912], g[0.051,3.266]
1/1 [=====] - 0s 73ms/step
>103, dr[0.055,0.889], df[0.073,2.933], g[0.035,2.881]
1/1 [=====] - 0s 70ms/step
>104, dr[0.235,1.421], df[0.051,2.757], g[0.054,3.360]
1/1 [=====] - 0s 74ms/step
>105, dr[0.055,1.428], df[0.069,2.792], g[0.042,2.941]
1/1 [=====] - 0s 71ms/step
>106, dr[0.072,1.300], df[0.051,3.185], g[0.043,2.829]
1/1 [=====] - 0s 71ms/step
>107, dr[0.035,1.600], df[0.092,3.042], g[0.031,2.930]
1/1 [=====] - 0s 67ms/step
>108, dr[0.042,1.270], df[0.065,2.901], g[0.040,2.831]
1/1 [=====] - 0s 73ms/step
>109, dr[0.034,1.029], df[0.127,2.939], g[0.049,3.029]
1/1 [=====] - 0s 72ms/step
>110, dr[0.111,1.189], df[0.109,3.081], g[0.078,3.245]
1/1 [=====] - 0s 71ms/step
>111, dr[0.201,1.163], df[0.093,2.844], g[0.068,3.069]
1/1 [=====] - 0s 67ms/step
>112, dr[0.030,1.268], df[0.198,3.638], g[0.048,3.129]
1/1 [=====] - 0s 73ms/step
>113, dr[0.058,1.050], df[0.228,2.854], g[0.065,2.985]
1/1 [=====] - 0s 69ms/step
>114, dr[0.143,1.320], df[0.171,2.892], g[0.072,2.911]
1/1 [=====] - 0s 72ms/step
>115, dr[0.122,1.557], df[0.116,2.913], g[0.045,3.054]
1/1 [=====] - 0s 67ms/step
>116, dr[0.102,0.983], df[0.188,3.011], g[0.099,3.109]
1/1 [=====] - 0s 71ms/step
>117, dr[0.119,0.760], df[0.140,3.143], g[0.077,2.800]
1/1 [=====] - 0s 65ms/step
>118, dr[0.107,0.657], df[0.172,3.337], g[0.159,3.306]
1/1 [=====] - 0s 68ms/step
>119, dr[0.254,1.206], df[0.082,3.358], g[0.121,2.646]
1/1 [=====] - 0s 64ms/step
```

```
>120, dr[0.255,1.239], df[0.119,3.048], g[0.114,2.884]
1/1 [=====] - 0s 76ms/step
>121, dr[0.168,1.340], df[0.115,2.645], g[0.147,2.849]
1/1 [=====] - 0s 65ms/step
>122, dr[0.432,1.169], df[0.130,3.018], g[0.100,3.266]
1/1 [=====] - 0s 71ms/step
>123, dr[0.106,1.364], df[0.115,2.361], g[0.055,2.731]
1/1 [=====] - 0s 65ms/step
>124, dr[0.153,1.114], df[0.140,3.007], g[0.089,2.810]
1/1 [=====] - 0s 77ms/step
>125, dr[0.158,1.292], df[0.129,3.091], g[0.062,3.036]
1/1 [=====] - 0s 76ms/step
>126, dr[0.070,1.244], df[0.071,2.882], g[0.063,2.907]
1/1 [=====] - 0s 77ms/step
>127, dr[0.048,1.353], df[0.119,3.599], g[0.113,2.950]
1/1 [=====] - 0s 73ms/step
>128, dr[0.281,1.075], df[0.070,3.287], g[0.143,2.900]
1/1 [=====] - 0s 74ms/step
>129, dr[0.204,0.714], df[0.043,3.070], g[0.123,2.581]
1/1 [=====] - 0s 75ms/step
>130, dr[0.140,1.071], df[0.079,2.715], g[0.120,2.979]
1/1 [=====] - 0s 73ms/step
>131, dr[0.117,1.217], df[0.105,3.003], g[0.084,3.139]
1/1 [=====] - 0s 65ms/step
>132, dr[0.082,1.490], df[0.133,2.950], g[0.033,2.911]
1/1 [=====] - 0s 89ms/step
>133, dr[0.077,1.336], df[0.112,2.799], g[0.087,2.928]
1/1 [=====] - 0s 85ms/step
>134, dr[0.048,1.457], df[0.093,3.310], g[0.090,2.831]
1/1 [=====] - 0s 74ms/step
>135, dr[0.080,1.139], df[0.083,3.190], g[0.071,2.613]
1/1 [=====] - 0s 75ms/step
>136, dr[0.090,1.046], df[0.115,2.841], g[0.121,2.776]
1/1 [=====] - 0s 76ms/step
>137, dr[0.057,0.626], df[0.044,3.039], g[0.092,3.203]
1/1 [=====] - 0s 67ms/step
>138, dr[0.068,1.177], df[0.027,2.904], g[0.115,2.697]
1/1 [=====] - 0s 70ms/step
>139, dr[0.165,0.854], df[0.058,2.990], g[0.063,2.516]
1/1 [=====] - 0s 67ms/step
>140, dr[0.185,0.749], df[0.036,3.249], g[0.066,2.851]
1/1 [=====] - 0s 80ms/step
>141, dr[0.210,0.714], df[0.094,2.488], g[0.070,2.911]
1/1 [=====] - 0s 74ms/step
>142, dr[0.049,1.211], df[0.207,2.758], g[0.024,2.962]
1/1 [=====] - 0s 76ms/step
>143, dr[0.058,1.049], df[0.238,2.438], g[0.029,2.537]
1/1 [=====] - 0s 67ms/step
>144, dr[0.156,0.913], df[0.180,2.808], g[0.052,2.233]
1/1 [=====] - 0s 88ms/step
>145, dr[0.073,1.501], df[0.078,2.873], g[0.037,2.754]
1/1 [=====] - 0s 81ms/step
>146, dr[0.114,0.875], df[0.159,2.821], g[0.162,2.720]
1/1 [=====] - 0s 80ms/step
>147, dr[0.134,0.973], df[0.084,2.720], g[0.171,2.718]
1/1 [=====] - 0s 73ms/step
>148, dr[0.144,1.071], df[0.139,2.328], g[0.144,2.511]
1/1 [=====] - 0s 66ms/step
>149, dr[0.205,1.024], df[0.128,2.129], g[0.240,2.266]
1/1 [=====] - 0s 71ms/step
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>150, dr[0.330,1.028], df[0.192,2.696], g[0.092,2.384]
1/1 [=====] - 0s 66ms/step
>151, dr[0.390,0.945], df[0.158,2.333], g[0.079,2.492]
1/1 [=====] - 0s 72ms/step
>152, dr[0.338,0.743], df[0.291,2.712], g[0.071,2.292]
1/1 [=====] - 0s 64ms/step
>153, dr[0.186,1.036], df[0.344,2.251], g[0.104,2.708]
1/1 [=====] - 0s 67ms/step
>154, dr[0.100,1.261], df[0.285,2.391], g[0.149,2.535]
1/1 [=====] - 0s 64ms/step
>155, dr[0.211,1.409], df[0.091,2.215], g[0.166,2.402]
1/1 [=====] - 0s 67ms/step
>156, dr[0.215,1.109], df[0.110,2.113], g[0.228,2.240]
1/1 [=====] - 0s 69ms/step
>157, dr[0.576,1.081], df[0.146,2.187], g[0.198,2.415]
1/1 [=====] - 0s 68ms/step
>158, dr[0.373,0.933], df[0.102,2.406], g[0.207,1.986]
1/1 [=====] - 0s 65ms/step
>159, dr[0.177,1.601], df[0.121,2.200], g[0.214,2.024]
1/1 [=====] - 0s 65ms/step
>160, dr[0.107,1.132], df[0.144,1.867], g[0.270,2.110]
1/1 [=====] - 0s 72ms/step
>161, dr[0.147,1.068], df[0.084,1.716], g[0.226,2.162]
1/1 [=====] - 0s 65ms/step
>162, dr[0.194,0.806], df[0.197,1.887], g[0.161,1.747]
1/1 [=====] - 0s 64ms/step
>163, dr[0.254,0.867], df[0.250,2.108], g[0.248,2.125]
1/1 [=====] - 0s 65ms/step
>164, dr[0.155,1.209], df[0.213,2.349], g[0.243,2.160]
1/1 [=====] - 0s 68ms/step
>165, dr[0.253,0.821], df[0.138,2.031], g[0.389,1.765]
1/1 [=====] - 0s 65ms/step
>166, dr[0.136,0.987], df[0.130,1.904], g[0.480,2.057]
1/1 [=====] - 0s 66ms/step
>167, dr[0.131,0.933], df[0.090,1.592], g[0.585,1.709]
1/1 [=====] - 0s 66ms/step
>168, dr[0.309,1.031], df[0.181,1.961], g[0.660,1.901]
1/1 [=====] - 0s 74ms/step
>169, dr[0.216,1.029], df[0.106,1.693], g[0.400,1.673]
1/1 [=====] - 0s 66ms/step
>170, dr[0.266,0.782], df[0.328,2.042], g[0.781,1.956]
1/1 [=====] - 0s 74ms/step
>171, dr[0.269,0.727], df[0.326,1.703], g[0.786,1.723]
1/1 [=====] - 0s 68ms/step
>172, dr[0.173,1.739], df[0.352,1.921], g[0.878,1.741]
1/1 [=====] - 0s 74ms/step
>173, dr[0.323,0.851], df[0.351,1.581], g[1.130,2.139]
1/1 [=====] - 0s 73ms/step
>174, dr[0.616,0.764], df[0.338,1.479], g[1.273,1.705]
1/1 [=====] - 0s 79ms/step
>175, dr[0.793,1.159], df[0.522,1.917], g[1.759,1.484]
1/1 [=====] - 0s 96ms/step
>176, dr[0.701,1.382], df[0.302,1.312], g[1.390,1.499]
1/1 [=====] - 0s 70ms/step
>177, dr[0.844,0.782], df[0.716,1.620], g[1.350,1.423]
1/1 [=====] - 0s 73ms/step
>178, dr[0.569,0.989], df[0.628,1.676], g[1.176,1.736]
1/1 [=====] - 0s 67ms/step
>179, dr[0.591,0.692], df[0.880,1.507], g[1.254,1.911]
1/1 [=====] - 0s 75ms/step
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>180, dr[0.669,1.269], df[0.944,1.860], g[1.852,1.656]
1/1 [=====] - 0s 69ms/step
>181, dr[1.393,1.228], df[0.441,1.853], g[1.810,1.474]
1/1 [=====] - 0s 74ms/step
>182, dr[1.161,0.620], df[0.296,1.866], g[1.454,1.622]
1/1 [=====] - 0s 67ms/step
>183, dr[1.335,1.248], df[0.718,1.682], g[0.956,1.704]
1/1 [=====] - 0s 73ms/step
>184, dr[1.522,0.852], df[0.795,1.274], g[0.715,1.765]
1/1 [=====] - 0s 75ms/step
>185, dr[0.540,0.827], df[0.795,1.780], g[0.637,1.792]
1/1 [=====] - 0s 83ms/step
>186, dr[0.496,1.002], df[0.812,1.640], g[0.854,1.776]
1/1 [=====] - 0s 65ms/step
>187, dr[0.506,1.158], df[0.478,2.221], g[0.914,1.999]
1/1 [=====] - 0s 81ms/step
>188, dr[0.283,1.049], df[0.171,2.138], g[1.200,1.962]
1/1 [=====] - 0s 66ms/step
>189, dr[0.196,1.825], df[0.094,2.561], g[1.129,1.666]
1/1 [=====] - 0s 76ms/step
>190, dr[0.286,1.388], df[0.151,2.070], g[0.796,2.064]
1/1 [=====] - 0s 65ms/step
>191, dr[0.377,1.703], df[0.092,2.270], g[0.602,2.221]
1/1 [=====] - 0s 79ms/step
>192, dr[0.185,1.387], df[0.042,1.932], g[0.545,2.101]
1/1 [=====] - 0s 67ms/step
>193, dr[0.131,1.602], df[0.281,2.188], g[0.508,2.311]
1/1 [=====] - 0s 70ms/step
>194, dr[0.086,0.660], df[0.338,2.115], g[0.335,2.227]
1/1 [=====] - 0s 69ms/step
>195, dr[0.072,1.461], df[0.154,1.892], g[0.314,1.889]
1/1 [=====] - 0s 70ms/step
>196, dr[0.105,1.196], df[0.153,1.852], g[0.293,1.864]
1/1 [=====] - 0s 65ms/step
>197, dr[0.036,1.112], df[0.123,1.665], g[0.417,1.542]
1/1 [=====] - 0s 69ms/step
>198, dr[0.069,0.903], df[0.209,1.497], g[0.439,1.154]
1/1 [=====] - 0s 77ms/step
>199, dr[0.179,1.288], df[0.050,1.401], g[0.370,1.568]
1/1 [=====] - 0s 86ms/step
>200, dr[0.144,0.842], df[0.085,1.324], g[0.313,1.638]
1/1 [=====] - 0s 79ms/step
>201, dr[0.038,0.908], df[0.130,1.250], g[0.487,1.383]
1/1 [=====] - 0s 76ms/step
>202, dr[0.107,1.189], df[0.068,1.547], g[0.262,1.200]
1/1 [=====] - 0s 78ms/step
>203, dr[0.131,0.924], df[0.179,0.973], g[0.262,1.221]
1/1 [=====] - 0s 70ms/step
>204, dr[0.069,1.098], df[0.153,1.502], g[0.197,1.193]
1/1 [=====] - 0s 77ms/step
>205, dr[0.075,1.047], df[0.022,0.941], g[0.170,1.109]
1/1 [=====] - 0s 69ms/step
>206, dr[0.089,0.864], df[0.080,1.139], g[0.213,1.352]
1/1 [=====] - 0s 75ms/step
>207, dr[0.092,1.180], df[0.095,1.020], g[0.099,1.105]
1/1 [=====] - 0s 82ms/step
>208, dr[0.116,1.294], df[0.087,1.116], g[0.130,1.073]
1/1 [=====] - 0s 76ms/step
>209, dr[0.087,1.050], df[0.057,1.214], g[0.105,1.137]
1/1 [=====] - 0s 74ms/step
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>210, dr[0.231,0.784], df[0.096,0.683], g[0.091,1.018]
1/1 [=====] - 0s 65ms/step
>211, dr[0.044,0.740], df[0.102,1.283], g[0.078,0.985]
1/1 [=====] - 0s 69ms/step
>212, dr[0.177,1.494], df[0.101,0.755], g[0.092,1.148]
1/1 [=====] - 0s 75ms/step
>213, dr[0.083,1.121], df[0.079,1.193], g[0.136,0.965]
1/1 [=====] - 0s 85ms/step
>214, dr[0.076,1.225], df[0.066,0.818], g[0.112,0.978]
1/1 [=====] - 0s 71ms/step
>215, dr[0.039,1.117], df[0.101,1.109], g[0.071,0.883]
1/1 [=====] - 0s 75ms/step
>216, dr[0.049,0.833], df[0.092,0.832], g[0.081,0.915]
1/1 [=====] - 0s 68ms/step
>217, dr[0.139,1.642], df[0.022,0.859], g[0.087,0.695]
1/1 [=====] - 0s 74ms/step
>218, dr[0.094,1.024], df[0.039,0.618], g[0.090,0.897]
1/1 [=====] - 0s 67ms/step
>219, dr[0.049,1.070], df[0.019,0.604], g[0.077,0.750]
1/1 [=====] - 0s 72ms/step
>220, dr[0.086,0.722], df[0.020,0.456], g[0.066,0.828]
1/1 [=====] - 0s 65ms/step
>221, dr[0.252,1.600], df[0.022,0.725], g[0.065,0.933]
1/1 [=====] - 0s 75ms/step
>222, dr[0.084,1.148], df[0.022,1.000], g[0.072,0.808]
1/1 [=====] - 0s 66ms/step
>223, dr[0.043,0.840], df[0.057,0.701], g[0.050,0.790]
1/1 [=====] - 0s 74ms/step
>224, dr[0.076,1.190], df[0.028,0.954], g[0.047,0.514]
1/1 [=====] - 0s 65ms/step
>225, dr[0.044,1.060], df[0.020,0.694], g[0.043,0.641]
1/1 [=====] - 0s 73ms/step
>226, dr[0.014,1.095], df[0.036,0.622], g[0.030,0.841]
1/1 [=====] - 0s 65ms/step
>227, dr[0.188,0.846], df[0.026,0.748], g[0.037,0.649]
1/1 [=====] - 0s 89ms/step
>228, dr[0.019,1.142], df[0.047,0.602], g[0.020,0.630]
1/1 [=====] - 0s 69ms/step
>229, dr[0.018,0.962], df[0.031,0.757], g[0.018,0.712]
1/1 [=====] - 0s 77ms/step
>230, dr[0.011,1.083], df[0.032,0.596], g[0.032,0.599]
1/1 [=====] - 0s 74ms/step
>231, dr[0.020,1.441], df[0.011,0.929], g[0.019,0.446]
1/1 [=====] - 0s 69ms/step
>232, dr[0.034,0.887], df[0.013,1.001], g[0.036,0.413]
1/1 [=====] - 0s 66ms/step
>233, dr[0.032,1.206], df[0.012,0.604], g[0.032,0.423]
1/1 [=====] - 0s 71ms/step
>234, dr[0.062,1.160], df[0.043,0.792], g[0.037,0.476]
1/1 [=====] - 0s 77ms/step
>235, dr[0.013,1.064], df[0.011,0.653], g[0.026,0.462]
1/1 [=====] - 0s 68ms/step
>236, dr[0.003,1.110], df[0.012,0.796], g[0.055,0.536]
1/1 [=====] - 0s 82ms/step
>237, dr[0.006,0.980], df[0.027,0.817], g[0.026,0.526]
1/1 [=====] - 0s 68ms/step
>238, dr[0.005,1.452], df[0.035,0.795], g[0.015,0.521]
1/1 [=====] - 0s 85ms/step
>239, dr[0.014,0.974], df[0.149,0.817], g[0.028,0.515]
1/1 [=====] - 0s 82ms/step
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>240, dr[0.021,0.994], df[0.067,0.351], g[0.019,0.412]
1/1 [=====] - 0s 85ms/step
>241, dr[0.006,0.531], df[0.084,0.584], g[0.027,0.321]
1/1 [=====] - 0s 96ms/step
>242, dr[0.037,1.109], df[0.106,0.276], g[0.070,0.357]
1/1 [=====] - 0s 68ms/step
>243, dr[0.026,0.852], df[0.088,0.671], g[0.035,0.323]
1/1 [=====] - 0s 71ms/step
>244, dr[0.032,0.858], df[0.088,0.628], g[0.046,0.439]
1/1 [=====] - 0s 73ms/step
>245, dr[0.016,0.807], df[0.023,0.589], g[0.043,0.483]
1/1 [=====] - 0s 80ms/step
>246, dr[0.024,0.822], df[0.148,0.398], g[0.060,0.243]
1/1 [=====] - 0s 85ms/step
>247, dr[0.025,0.832], df[0.072,0.473], g[0.099,0.290]
1/1 [=====] - 0s 82ms/step
>248, dr[0.380,1.058], df[0.159,0.302], g[0.090,0.286]
1/1 [=====] - 0s 87ms/step
>249, dr[0.056,0.873], df[0.040,0.360], g[0.081,0.463]
1/1 [=====] - 0s 84ms/step
>250, dr[0.094,0.817], df[0.039,0.412], g[0.186,0.453]
1/1 [=====] - 0s 93ms/step
>251, dr[0.037,0.809], df[0.013,0.585], g[0.027,0.297]
1/1 [=====] - 0s 91ms/step
>252, dr[0.156,0.977], df[0.129,0.296], g[0.085,0.497]
1/1 [=====] - 0s 85ms/step
>253, dr[0.029,0.697], df[0.229,0.326], g[0.137,0.349]
1/1 [=====] - 0s 86ms/step
>254, dr[0.063,1.145], df[0.153,0.327], g[0.060,0.288]
1/1 [=====] - 0s 66ms/step
>255, dr[0.033,1.135], df[0.102,0.324], g[0.139,0.384]
1/1 [=====] - 0s 70ms/step
>256, dr[0.143,0.732], df[0.300,0.368], g[0.103,0.336]
1/1 [=====] - 0s 68ms/step
>257, dr[0.116,0.890], df[0.121,0.375], g[0.113,0.191]
1/1 [=====] - 0s 67ms/step
>258, dr[0.347,0.890], df[0.179,0.255], g[0.218,0.365]
1/1 [=====] - 0s 69ms/step
>259, dr[0.094,1.041], df[0.026,0.506], g[0.125,0.279]
1/1 [=====] - 0s 69ms/step
>260, dr[0.079,1.075], df[0.120,0.407], g[0.113,0.416]
1/1 [=====] - 0s 77ms/step
>261, dr[0.336,0.808], df[0.049,0.311], g[0.110,0.425]
1/1 [=====] - 0s 66ms/step
>262, dr[0.206,0.930], df[0.204,0.318], g[0.133,0.511]
1/1 [=====] - 0s 75ms/step
>263, dr[0.045,1.252], df[0.239,0.358], g[0.133,0.432]
1/1 [=====] - 0s 68ms/step
>264, dr[0.118,0.951], df[0.376,0.379], g[0.074,0.286]
1/1 [=====] - 0s 77ms/step
>265, dr[0.558,1.451], df[0.210,0.291], g[0.132,0.274]
1/1 [=====] - 0s 66ms/step
>266, dr[0.190,1.239], df[0.109,0.298], g[0.125,0.373]
1/1 [=====] - 0s 74ms/step
>267, dr[0.406,0.815], df[0.179,0.203], g[0.090,0.373]
1/1 [=====] - 0s 65ms/step
>268, dr[0.093,0.662], df[0.085,0.517], g[0.089,0.291]
1/1 [=====] - 0s 76ms/step
>269, dr[0.137,1.269], df[0.603,0.316], g[0.147,0.318]
1/1 [=====] - 0s 66ms/step
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>270, dr[0.214,1.519], df[0.112,0.209], g[0.134,0.457]
1/1 [=====] - 0s 74ms/step
>271, dr[0.173,1.093], df[0.177,0.370], g[0.156,0.361]
1/1 [=====] - 0s 65ms/step
>272, dr[0.274,1.065], df[0.141,0.188], g[0.212,0.452]
1/1 [=====] - 0s 69ms/step
>273, dr[0.311,1.062], df[0.158,0.359], g[0.213,0.401]
1/1 [=====] - 0s 69ms/step
>274, dr[0.728,0.859], df[0.140,0.113], g[0.119,0.328]
1/1 [=====] - 0s 71ms/step
>275, dr[0.411,0.788], df[0.460,0.353], g[0.051,0.402]
1/1 [=====] - 0s 68ms/step
>276, dr[0.182,0.975], df[0.658,0.247], g[0.097,0.244]
1/1 [=====] - 0s 74ms/step
>277, dr[0.189,1.096], df[0.250,0.243], g[0.228,0.368]
1/1 [=====] - 0s 70ms/step
>278, dr[0.603,0.523], df[0.386,0.234], g[0.211,0.331]
1/1 [=====] - 0s 78ms/step
>279, dr[0.546,1.004], df[0.538,0.171], g[0.413,0.249]
1/1 [=====] - 0s 69ms/step
>280, dr[0.345,0.640], df[0.205,0.477], g[0.397,0.393]
1/1 [=====] - 0s 70ms/step
>281, dr[0.276,1.159], df[0.435,0.212], g[0.517,0.343]
1/1 [=====] - 0s 66ms/step
>282, dr[0.101,0.914], df[0.291,0.189], g[0.802,0.340]
1/1 [=====] - 0s 75ms/step
>283, dr[0.190,1.164], df[0.509,0.415], g[0.800,0.603]
1/1 [=====] - 0s 71ms/step
>284, dr[0.214,1.210], df[0.267,0.426], g[0.901,0.415]
1/1 [=====] - 0s 72ms/step
>285, dr[0.336,0.753], df[0.382,0.438], g[1.745,0.328]
1/1 [=====] - 0s 67ms/step
>286, dr[0.367,0.880], df[0.281,0.330], g[1.866,0.679]
1/1 [=====] - 0s 75ms/step
>287, dr[0.843,1.082], df[0.477,0.521], g[2.136,0.599]
1/1 [=====] - 0s 69ms/step
>288, dr[0.331,0.963], df[0.342,0.523], g[2.760,0.669]
1/1 [=====] - 0s 75ms/step
>289, dr[0.731,0.926], df[0.271,0.526], g[2.411,0.604]
1/1 [=====] - 0s 65ms/step
>290, dr[0.546,1.360], df[0.415,0.493], g[2.453,0.560]
1/1 [=====] - 0s 67ms/step
>291, dr[0.356,0.951], df[0.828,0.519], g[2.576,0.554]
1/1 [=====] - 0s 69ms/step
>292, dr[0.214,0.753], df[0.684,0.734], g[2.352,0.488]
1/1 [=====] - 0s 71ms/step
>293, dr[0.251,0.798], df[0.425,0.429], g[2.581,0.478]
1/1 [=====] - 0s 65ms/step
>294, dr[0.357,0.802], df[0.230,0.579], g[3.506,0.622]
1/1 [=====] - 0s 86ms/step
>295, dr[0.483,1.461], df[0.127,0.537], g[3.494,0.474]
1/1 [=====] - 0s 75ms/step
>296, dr[0.375,1.135], df[0.170,0.399], g[3.807,0.436]
1/1 [=====] - 0s 66ms/step
>297, dr[0.424,0.655], df[0.172,0.456], g[3.217,0.487]
1/1 [=====] - 0s 66ms/step
>298, dr[0.152,0.632], df[0.452,0.593], g[3.389,0.490]
1/1 [=====] - 0s 68ms/step
>299, dr[0.327,1.366], df[0.289,0.438], g[2.905,0.367]
1/1 [=====] - 0s 73ms/step
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>300, dr[0.227,0.488], df[0.107,0.696], g[3.237,0.619]
1/1 [=====] - 0s 65ms/step
>301, dr[0.179,0.915], df[0.057,0.795], g[3.371,0.886]
1/1 [=====] - 0s 72ms/step
>302, dr[0.053,0.908], df[0.049,0.977], g[3.360,0.607]
1/1 [=====] - 0s 69ms/step
>303, dr[0.031,0.607], df[0.045,1.008], g[3.366,0.622]
1/1 [=====] - 0s 69ms/step
>304, dr[0.020,1.778], df[0.034,0.943], g[3.950,0.638]
1/1 [=====] - 0s 67ms/step
>305, dr[0.079,1.092], df[0.037,0.729], g[3.615,0.527]
1/1 [=====] - 0s 73ms/step
>306, dr[0.034,0.974], df[0.026,0.389], g[3.402,0.475]
1/1 [=====] - 0s 64ms/step
>307, dr[0.042,0.881], df[0.015,0.414], g[3.716,0.452]
1/1 [=====] - 0s 73ms/step
>308, dr[0.021,1.125], df[0.031,0.678], g[3.558,0.482]
1/1 [=====] - 0s 71ms/step
>309, dr[0.017,1.459], df[0.055,0.565], g[2.719,0.521]
1/1 [=====] - 0s 74ms/step
>310, dr[0.010,1.158], df[0.048,0.739], g[3.144,0.389]
1/1 [=====] - 0s 75ms/step
>311, dr[0.011,1.332], df[0.060,0.496], g[3.098,0.387]
1/1 [=====] - 0s 70ms/step
>312, dr[0.016,1.808], df[0.142,0.371], g[3.398,0.572]
1/1 [=====] - 0s 65ms/step
>313, dr[0.014,0.655], df[0.065,0.438], g[3.638,0.530]
1/1 [=====] - 0s 71ms/step
>314, dr[0.034,0.907], df[0.116,0.433], g[3.419,0.421]
1/1 [=====] - 0s 65ms/step
>315, dr[0.022,0.882], df[0.050,0.518], g[3.897,0.390]
1/1 [=====] - 0s 77ms/step
>316, dr[0.033,0.684], df[0.019,0.385], g[3.706,0.479]
1/1 [=====] - 0s 69ms/step
>317, dr[0.057,1.013], df[0.099,0.433], g[3.583,0.415]
1/1 [=====] - 0s 69ms/step
>318, dr[0.016,1.202], df[0.093,0.277], g[3.730,0.413]
1/1 [=====] - 0s 65ms/step
>319, dr[0.011,1.226], df[0.018,0.460], g[3.680,0.528]
1/1 [=====] - 0s 71ms/step
>320, dr[0.055,1.037], df[0.044,0.363], g[3.422,0.294]
1/1 [=====] - 0s 74ms/step
>321, dr[0.028,0.793], df[0.020,0.386], g[3.821,0.345]
1/1 [=====] - 0s 77ms/step
>322, dr[0.036,1.016], df[0.094,0.280], g[3.405,0.380]
1/1 [=====] - 0s 69ms/step
>323, dr[0.036,1.273], df[0.035,0.480], g[3.734,0.432]
1/1 [=====] - 0s 71ms/step
>324, dr[0.096,0.851], df[0.039,0.352], g[3.418,0.606]
1/1 [=====] - 0s 66ms/step
>325, dr[0.038,1.591], df[0.104,0.240], g[3.465,0.629]
1/1 [=====] - 0s 72ms/step
>326, dr[0.031,1.365], df[0.033,0.348], g[2.799,0.469]
1/1 [=====] - 0s 69ms/step
>327, dr[0.056,0.821], df[0.118,0.234], g[3.033,0.629]
1/1 [=====] - 0s 72ms/step
>328, dr[0.097,1.158], df[0.071,0.423], g[2.471,0.735]
1/1 [=====] - 0s 69ms/step
>329, dr[0.118,1.011], df[0.097,0.407], g[2.071,0.653]
1/1 [=====] - 0s 65ms/step
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>330, dr[0.027,0.762], df[0.199,0.300], g[1.875,0.569]
1/1 [=====] - 0s 64ms/step
>331, dr[0.021,0.597], df[0.156,0.482], g[1.573,0.454]
1/1 [=====] - 0s 68ms/step
>332, dr[0.249,1.055], df[0.105,0.366], g[1.619,0.400]
1/1 [=====] - 0s 65ms/step
>333, dr[0.164,1.165], df[0.132,0.409], g[1.326,0.371]
1/1 [=====] - 0s 67ms/step
>334, dr[0.049,1.377], df[0.145,0.268], g[1.740,0.384]
1/1 [=====] - 0s 69ms/step
>335, dr[0.125,0.777], df[0.141,0.481], g[1.637,0.387]
1/1 [=====] - 0s 68ms/step
>336, dr[0.036,0.966], df[0.089,0.410], g[1.407,0.295]
1/1 [=====] - 0s 67ms/step
>337, dr[0.114,0.567], df[0.092,0.478], g[1.673,0.702]
1/1 [=====] - 0s 68ms/step
>338, dr[0.178,1.101], df[0.099,0.468], g[1.803,0.450]
1/1 [=====] - 0s 67ms/step
>339, dr[0.072,0.879], df[0.140,0.484], g[1.674,0.434]
1/1 [=====] - 0s 67ms/step
>340, dr[0.085,1.083], df[0.157,0.398], g[1.605,0.443]
1/1 [=====] - 0s 79ms/step
>341, dr[0.083,0.864], df[0.153,0.360], g[1.768,0.374]
1/1 [=====] - 0s 65ms/step
>342, dr[0.320,0.906], df[0.251,0.226], g[1.801,0.377]
1/1 [=====] - 0s 92ms/step
>343, dr[0.202,0.749], df[0.145,0.345], g[2.777,0.454]
1/1 [=====] - 0s 84ms/step
>344, dr[0.479,1.258], df[0.153,0.537], g[2.990,0.362]
1/1 [=====] - 0s 86ms/step
>345, dr[0.888,0.494], df[0.306,0.400], g[3.385,0.226]
1/1 [=====] - 0s 84ms/step
>346, dr[0.462,1.197], df[0.118,0.167], g[2.954,0.557]
1/1 [=====] - 0s 82ms/step
>347, dr[0.166,0.684], df[0.194,0.329], g[2.882,0.478]
1/1 [=====] - 0s 87ms/step
>348, dr[0.233,0.910], df[0.357,0.392], g[3.248,0.311]
1/1 [=====] - 0s 74ms/step
>349, dr[0.132,1.066], df[0.100,0.479], g[3.339,0.215]
1/1 [=====] - 0s 74ms/step
>350, dr[0.109,1.180], df[0.183,0.088], g[3.295,0.227]
1/1 [=====] - 0s 66ms/step
>351, dr[0.104,0.676], df[0.227,0.375], g[2.990,0.329]
1/1 [=====] - 0s 64ms/step
>352, dr[0.188,0.615], df[0.259,0.071], g[3.338,0.270]
1/1 [=====] - 0s 69ms/step
>353, dr[0.222,1.365], df[0.232,0.159], g[2.446,0.184]
1/1 [=====] - 0s 65ms/step
>354, dr[0.120,1.014], df[0.279,0.119], g[1.971,0.241]
1/1 [=====] - 0s 74ms/step
>355, dr[0.162,0.894], df[0.391,0.180], g[1.106,0.248]
1/1 [=====] - 0s 76ms/step
>356, dr[0.164,0.743], df[0.227,0.392], g[1.045,0.115]
1/1 [=====] - 0s 79ms/step
>357, dr[0.328,1.553], df[0.041,0.290], g[1.028,0.180]
1/1 [=====] - 0s 80ms/step
>358, dr[0.650,1.262], df[0.036,0.163], g[0.761,0.172]
1/1 [=====] - 0s 111ms/step
>359, dr[0.265,0.976], df[0.032,0.275], g[0.509,0.347]
1/1 [=====] - 0s 135ms/step
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>360, dr[0.089,1.462], df[0.010,0.455], g[0.438,0.351]
1/1 [=====] - 0s 75ms/step
>361, dr[0.214,0.472], df[0.014,0.268], g[0.313,0.339]
1/1 [=====] - 0s 76ms/step
>362, dr[0.067,0.656], df[0.027,0.388], g[0.217,0.309]
1/1 [=====] - 0s 80ms/step
>363, dr[0.068,0.687], df[0.036,0.311], g[0.039,0.417]
1/1 [=====] - 0s 79ms/step
>364, dr[0.061,0.905], df[0.071,0.327], g[0.093,0.269]
1/1 [=====] - 0s 70ms/step
>365, dr[0.057,0.477], df[0.060,0.303], g[0.045,0.332]
1/1 [=====] - 0s 66ms/step
>366, dr[0.016,0.977], df[0.088,0.415], g[0.064,0.377]
1/1 [=====] - 0s 68ms/step
>367, dr[0.015,0.801], df[0.144,0.333], g[0.059,0.290]
1/1 [=====] - 0s 67ms/step
>368, dr[0.006,0.793], df[0.065,0.200], g[0.036,0.271]
1/1 [=====] - 0s 73ms/step
>369, dr[0.002,0.789], df[0.049,0.410], g[0.053,0.291]
1/1 [=====] - 0s 68ms/step
>370, dr[0.031,1.152], df[0.067,0.306], g[0.055,0.231]
1/1 [=====] - 0s 70ms/step
>371, dr[0.009,1.082], df[0.072,0.166], g[0.095,0.340]
1/1 [=====] - 0s 65ms/step
>372, dr[0.011,0.700], df[0.019,0.180], g[0.173,0.208]
1/1 [=====] - 0s 69ms/step
>373, dr[0.119,0.923], df[0.022,0.160], g[0.110,0.315]
1/1 [=====] - 0s 66ms/step
>374, dr[0.097,0.749], df[0.014,0.253], g[0.141,0.238]
1/1 [=====] - 0s 77ms/step
>375, dr[0.081,0.987], df[0.015,0.296], g[0.071,0.199]
1/1 [=====] - 0s 66ms/step
>376, dr[0.029,0.485], df[0.036,0.288], g[0.033,0.240]
1/1 [=====] - 0s 70ms/step
>377, dr[0.053,0.976], df[0.074,0.146], g[0.030,0.178]
1/1 [=====] - 0s 64ms/step
>378, dr[0.019,1.202], df[0.066,0.097], g[0.041,0.220]
1/1 [=====] - 0s 77ms/step
>379, dr[0.098,0.679], df[0.207,0.213], g[0.056,0.305]
1/1 [=====] - 0s 73ms/step
>380, dr[0.034,0.567], df[0.069,0.316], g[0.073,0.228]
1/1 [=====] - 0s 70ms/step
>381, dr[0.079,0.662], df[0.136,0.192], g[0.084,0.233]
1/1 [=====] - 0s 68ms/step
>382, dr[0.152,0.704], df[0.100,0.229], g[0.169,0.380]
1/1 [=====] - 0s 71ms/step
>383, dr[0.048,0.649], df[0.030,0.131], g[0.246,0.193]
1/1 [=====] - 0s 68ms/step
>384, dr[0.053,0.784], df[0.026,0.191], g[0.220,0.160]
1/1 [=====] - 0s 70ms/step
>385, dr[0.088,0.919], df[0.254,0.202], g[0.267,0.264]
1/1 [=====] - 0s 71ms/step
>386, dr[0.185,0.965], df[0.162,0.218], g[0.243,0.292]
1/1 [=====] - 0s 73ms/step
>387, dr[0.068,0.306], df[0.041,0.166], g[0.515,0.200]
1/1 [=====] - 0s 66ms/step
>388, dr[0.180,1.649], df[0.070,0.213], g[0.289,0.211]
1/1 [=====] - 0s 74ms/step
>389, dr[0.092,0.769], df[0.033,0.174], g[0.393,0.251]
1/1 [=====] - 0s 66ms/step
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>390, dr[0.215,0.991], df[0.366,0.231], g[0.331,0.186]
1/1 [=====] - 0s 73ms/step
>391, dr[0.206,1.789], df[0.057,0.279], g[0.398,0.202]
1/1 [=====] - 0s 69ms/step
>392, dr[0.105,1.404], df[0.145,0.218], g[0.365,0.258]
1/1 [=====] - 0s 73ms/step
>393, dr[0.245,1.048], df[0.123,0.215], g[0.383,0.325]
1/1 [=====] - 0s 65ms/step
>394, dr[0.083,0.709], df[0.128,0.131], g[0.527,0.211]
1/1 [=====] - 0s 71ms/step
>395, dr[0.178,1.324], df[0.266,0.186], g[0.606,0.194]
1/1 [=====] - 0s 65ms/step
>396, dr[0.212,0.447], df[0.058,0.121], g[0.421,0.326]
1/1 [=====] - 0s 69ms/step
>397, dr[0.230,0.658], df[0.144,0.386], g[0.461,0.270]
1/1 [=====] - 0s 65ms/step
>398, dr[0.398,0.851], df[0.098,0.178], g[0.303,0.142]
1/1 [=====] - 0s 76ms/step
>399, dr[0.188,0.862], df[0.282,0.108], g[0.206,0.289]
1/1 [=====] - 0s 65ms/step
>400, dr[0.273,1.138], df[0.263,0.112], g[0.166,0.188]
1/1 [=====] - 0s 70ms/step
>401, dr[0.111,0.622], df[0.297,0.135], g[0.146,0.186]
1/1 [=====] - 0s 66ms/step
>402, dr[0.213,1.217], df[0.064,0.157], g[0.296,0.306]
1/1 [=====] - 0s 72ms/step
>403, dr[0.114,0.784], df[0.218,0.126], g[0.259,0.341]
1/1 [=====] - 0s 70ms/step
>404, dr[0.224,0.914], df[0.388,0.090], g[0.627,0.309]
1/1 [=====] - 0s 71ms/step
>405, dr[0.163,0.961], df[0.063,0.081], g[0.544,0.335]
1/1 [=====] - 0s 76ms/step
>406, dr[0.399,0.804], df[0.048,0.206], g[0.463,0.339]
1/1 [=====] - 0s 70ms/step
>407, dr[0.189,0.416], df[0.130,0.173], g[0.509,0.362]
1/1 [=====] - 0s 65ms/step
>408, dr[0.299,0.716], df[0.408,0.110], g[0.370,0.507]
1/1 [=====] - 0s 71ms/step
>409, dr[0.157,1.067], df[0.125,0.079], g[0.461,0.352]
1/1 [=====] - 0s 72ms/step
>410, dr[0.088,0.760], df[0.243,0.100], g[0.331,0.551]
1/1 [=====] - 0s 71ms/step
>411, dr[0.069,1.079], df[0.303,0.206], g[0.473,0.542]
1/1 [=====] - 0s 67ms/step
>412, dr[0.123,1.300], df[0.045,0.134], g[0.586,0.637]
1/1 [=====] - 0s 74ms/step
>413, dr[0.150,0.597], df[0.022,0.047], g[0.416,0.487]
1/1 [=====] - 0s 76ms/step
>414, dr[0.253,1.588], df[0.020,0.174], g[0.300,0.492]
1/1 [=====] - 0s 69ms/step
>415, dr[0.172,1.085], df[0.035,0.235], g[0.274,0.583]
1/1 [=====] - 0s 69ms/step
>416, dr[0.057,1.474], df[0.101,0.234], g[0.278,0.558]
1/1 [=====] - 0s 76ms/step
>417, dr[0.061,1.138], df[0.081,0.133], g[0.306,0.317]
1/1 [=====] - 0s 72ms/step
>418, dr[0.021,0.778], df[0.057,0.205], g[0.143,0.393]
1/1 [=====] - 0s 72ms/step
>419, dr[0.052,1.176], df[0.059,0.205], g[0.205,0.327]
1/1 [=====] - 0s 67ms/step
```

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>420, dr[0.078,1.018], df[0.031,0.206], g[0.287,0.217]
1/1 [=====] - 0s 77ms/step
>421, dr[0.082,0.585], df[0.269,0.259], g[0.337,0.183]
1/1 [=====] - 0s 70ms/step
>422, dr[0.013,0.399], df[0.068,0.146], g[0.272,0.279]
1/1 [=====] - 0s 87ms/step
>423, dr[0.043,0.675], df[0.047,0.194], g[0.367,0.158]
1/1 [=====] - 0s 94ms/step
>424, dr[0.062,0.887], df[0.097,0.136], g[0.547,0.273]
1/1 [=====] - 0s 91ms/step
>425, dr[0.161,0.875], df[0.057,0.219], g[0.459,0.479]
1/1 [=====] - 0s 112ms/step
>426, dr[0.118,0.765], df[0.060,0.137], g[0.426,0.316]
1/1 [=====] - 0s 95ms/step
>427, dr[0.151,0.745], df[0.024,0.252], g[0.494,0.223]
1/1 [=====] - 0s 77ms/step
>428, dr[0.189,0.786], df[0.075,0.204], g[0.437,0.433]
1/1 [=====] - 0s 76ms/step
>429, dr[0.024,0.966], df[0.084,0.100], g[0.387,0.338]
1/1 [=====] - 0s 75ms/step
>430, dr[0.085,1.110], df[0.101,0.105], g[0.555,0.343]
1/1 [=====] - 0s 76ms/step
>431, dr[0.134,0.440], df[0.227,0.130], g[0.782,0.380]
1/1 [=====] - 0s 75ms/step
>432, dr[0.067,0.900], df[0.103,0.219], g[1.280,0.376]
1/1 [=====] - 0s 67ms/step
>433, dr[0.078,1.303], df[0.028,0.087], g[1.425,0.441]
1/1 [=====] - 0s 80ms/step
>434, dr[0.093,0.626], df[0.039,0.102], g[1.864,0.610]
1/1 [=====] - 0s 64ms/step
>435, dr[0.154,0.567], df[0.060,0.121], g[1.861,0.404]
1/1 [=====] - 0s 69ms/step
>436, dr[0.139,0.893], df[0.022,0.121], g[1.782,0.418]
1/1 [=====] - 0s 63ms/step
>437, dr[0.035,0.776], df[0.062,0.127], g[1.417,0.395]
1/1 [=====] - 0s 71ms/step
>438, dr[0.091,0.908], df[0.054,0.138], g[1.200,0.275]
1/1 [=====] - 0s 70ms/step
>439, dr[0.032,0.428], df[0.075,0.112], g[1.147,0.175]
1/1 [=====] - 0s 73ms/step
>440, dr[0.036,0.853], df[0.034,0.208], g[1.408,0.417]
1/1 [=====] - 0s 65ms/step
>441, dr[0.036,0.748], df[0.045,0.167], g[1.225,0.416]
1/1 [=====] - 0s 72ms/step
>442, dr[0.021,0.755], df[0.256,0.053], g[2.102,0.196]
1/1 [=====] - 0s 66ms/step
>443, dr[0.065,0.389], df[0.139,0.209], g[2.768,0.733]
1/1 [=====] - 0s 68ms/step
>444, dr[0.095,0.807], df[0.028,0.125], g[4.238,0.342]
1/1 [=====] - 0s 72ms/step
>445, dr[0.420,0.875], df[0.042,0.133], g[4.337,0.969]
1/1 [=====] - 0s 72ms/step
>446, dr[0.260,0.533], df[0.105,0.150], g[3.690,0.405]
1/1 [=====] - 0s 64ms/step
>447, dr[0.146,0.454], df[0.213,0.224], g[3.492,0.540]
1/1 [=====] - 0s 69ms/step
>448, dr[0.284,1.188], df[0.475,0.194], g[2.504,0.319]
1/1 [=====] - 0s 73ms/step
>449, dr[0.175,0.554], df[1.540,0.161], g[1.500,0.215]
1/1 [=====] - 0s 69ms/step
```

```
>450, dr[0.351,1.215], df[2.249,0.136], g[2.431,0.196]
1/1 [=====] - 0s 68ms/step
>451, dr[1.004,0.731], df[0.760,0.152], g[5.057,0.382]
1/1 [=====] - 0s 70ms/step
>452, dr[2.463,0.861], df[0.129,0.148], g[5.453,0.231]
1/1 [=====] - 0s 69ms/step
>453, dr[3.209,1.243], df[0.202,0.114], g[3.219,0.215]
1/1 [=====] - 0s 86ms/step
>454, dr[0.549,0.942], df[0.253,0.216], g[1.836,0.194]
1/1 [=====] - 0s 80ms/step
>455, dr[0.141,1.291], df[0.306,0.216], g[0.986,0.186]
1/1 [=====] - 0s 70ms/step
>456, dr[0.042,0.586], df[0.765,0.237], g[1.066,0.215]
1/1 [=====] - 0s 69ms/step
>457, dr[0.045,0.547], df[0.239,0.591], g[2.433,0.365]
1/1 [=====] - 0s 65ms/step
>458, dr[0.064,0.735], df[0.264,0.283], g[2.705,0.323]
1/1 [=====] - 0s 75ms/step
>459, dr[0.082,0.742], df[0.048,0.450], g[3.597,0.305]
1/1 [=====] - 0s 68ms/step
>460, dr[0.231,1.086], df[0.033,0.518], g[3.366,0.470]
1/1 [=====] - 0s 76ms/step
>461, dr[0.580,1.182], df[0.038,0.269], g[2.332,0.429]
1/1 [=====] - 0s 64ms/step
>462, dr[0.065,0.687], df[0.052,0.431], g[2.324,0.369]
1/1 [=====] - 0s 72ms/step
>463, dr[0.081,1.339], df[0.379,0.309], g[2.218,0.281]
1/1 [=====] - 0s 64ms/step
>464, dr[0.058,0.811], df[0.259,0.300], g[2.870,0.336]
1/1 [=====] - 0s 74ms/step
>465, dr[0.038,0.779], df[0.199,0.405], g[4.152,0.305]
1/1 [=====] - 0s 65ms/step
>466, dr[0.039,0.889], df[0.057,0.195], g[4.560,0.240]
1/1 [=====] - 0s 71ms/step
>467, dr[0.134,0.538], df[0.059,0.205], g[4.796,0.290]
1/1 [=====] - 0s 73ms/step
>468, dr[0.044,0.721], df[0.075,0.252], g[5.099,0.440]
1/1 [=====] - 0s 70ms/step
>469, dr[0.150,1.717], df[0.087,0.284], g[4.283,0.206]
1/1 [=====] - 0s 73ms/step
>470, dr[0.110,0.953], df[0.085,0.387], g[4.061,0.215]
1/1 [=====] - 0s 73ms/step
>471, dr[0.193,0.460], df[0.159,0.436], g[4.732,0.259]
1/1 [=====] - 0s 143ms/step
>472, dr[0.072,0.974], df[0.082,0.422], g[4.594,0.347]
1/1 [=====] - 0s 113ms/step
>473, dr[0.053,0.864], df[0.025,0.550], g[4.731,0.237]
1/1 [=====] - 0s 116ms/step
>474, dr[0.069,1.421], df[0.031,0.207], g[4.651,0.393]
1/1 [=====] - 0s 83ms/step
>475, dr[0.115,0.786], df[0.023,0.776], g[4.221,0.246]
1/1 [=====] - 0s 69ms/step
>476, dr[0.065,0.747], df[0.056,0.515], g[3.791,0.220]
1/1 [=====] - 0s 73ms/step
>477, dr[0.028,1.238], df[0.087,0.438], g[3.752,0.267]
1/1 [=====] - 0s 114ms/step
>478, dr[0.124,0.654], df[0.182,0.433], g[3.077,0.228]
1/1 [=====] - 0s 125ms/step
>479, dr[0.043,0.873], df[0.054,0.362], g[3.233,0.191]
1/1 [=====] - 0s 336ms/step
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>480, dr[0.037,1.025], df[0.072,0.229], g[2.734,0.174]
1/1 [=====] - 0s 83ms/step
>481, dr[0.021,1.063], df[0.169,0.331], g[2.864,0.207]
1/1 [=====] - 0s 85ms/step
>482, dr[0.043,0.761], df[0.175,0.164], g[2.068,0.164]
1/1 [=====] - 0s 85ms/step
>483, dr[0.089,1.139], df[0.458,0.247], g[1.386,0.247]
1/1 [=====] - 0s 77ms/step
>484, dr[0.049,0.699], df[0.374,0.263], g[2.261,0.172]
1/1 [=====] - 0s 80ms/step
>485, dr[0.300,0.485], df[0.099,0.220], g[3.566,0.211]
1/1 [=====] - 0s 74ms/step
>486, dr[0.186,0.892], df[0.028,0.179], g[5.222,0.315]
1/1 [=====] - 0s 68ms/step
>487, dr[0.381,1.011], df[0.014,0.191], g[4.769,0.333]
1/1 [=====] - 0s 68ms/step
>488, dr[0.156,0.658], df[0.032,0.267], g[3.634,0.375]
1/1 [=====] - 0s 74ms/step
>489, dr[0.127,1.542], df[0.103,0.258], g[3.044,0.246]
1/1 [=====] - 0s 69ms/step
>490, dr[0.060,0.993], df[0.164,0.171], g[3.083,0.232]
1/1 [=====] - 0s 71ms/step
>491, dr[0.061,1.138], df[0.221,0.491], g[2.416,0.224]
1/1 [=====] - 0s 70ms/step
>492, dr[0.061,0.705], df[0.290,0.129], g[2.891,0.183]
1/1 [=====] - 0s 71ms/step
>493, dr[0.082,0.852], df[0.292,0.284], g[3.445,0.213]
1/1 [=====] - 0s 70ms/step
>494, dr[0.203,1.211], df[0.124,0.257], g[3.528,0.177]
1/1 [=====] - 0s 89ms/step
>495, dr[0.245,1.186], df[0.089,0.333], g[3.770,0.155]
1/1 [=====] - 0s 72ms/step
>496, dr[0.185,0.580], df[0.112,0.377], g[3.288,0.089]
1/1 [=====] - 0s 70ms/step
>497, dr[0.113,0.895], df[0.154,0.328], g[3.515,0.215]
1/1 [=====] - 0s 93ms/step
>498, dr[0.337,0.800], df[0.115,0.175], g[3.215,0.179]
1/1 [=====] - 0s 72ms/step
>499, dr[0.134,0.970], df[0.136,0.193], g[3.004,0.085]
1/1 [=====] - 0s 69ms/step
>500, dr[0.105,0.401], df[0.099,0.207], g[2.254,0.157]
1/1 [=====] - 0s 69ms/step
>501, dr[0.182,0.593], df[0.051,0.214], g[1.859,0.213]
1/1 [=====] - 0s 73ms/step
>502, dr[0.061,1.079], df[0.021,0.308], g[1.536,0.175]
1/1 [=====] - 0s 73ms/step
>503, dr[0.081,1.161], df[0.054,0.320], g[1.188,0.190]
1/1 [=====] - 0s 75ms/step
>504, dr[0.299,0.637], df[0.065,0.079], g[0.861,0.109]
1/1 [=====] - 0s 69ms/step
>505, dr[0.155,1.031], df[0.190,0.249], g[0.761,0.189]
1/1 [=====] - 0s 66ms/step
>506, dr[0.074,0.555], df[0.252,0.164], g[0.442,0.125]
1/1 [=====] - 0s 70ms/step
>507, dr[0.059,1.142], df[0.093,0.112], g[0.518,0.092]
1/1 [=====] - 0s 69ms/step
>508, dr[0.059,0.743], df[0.126,0.061], g[0.675,0.167]
1/1 [=====] - 0s 70ms/step
>509, dr[0.021,1.099], df[0.045,0.101], g[0.740,0.104]
1/1 [=====] - 0s 65ms/step
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>510, dr[0.051,0.676], df[0.036,0.097], g[0.976,0.194]
1/1 [=====] - 0s 70ms/step
>511, dr[0.026,0.746], df[0.017,0.119], g[1.106,0.173]
1/1 [=====] - 0s 70ms/step
>512, dr[0.203,0.762], df[0.009,0.200], g[1.018,0.100]
1/1 [=====] - 0s 75ms/step
>513, dr[0.214,0.692], df[0.049,0.154], g[0.869,0.122]
1/1 [=====] - 0s 65ms/step
>514, dr[0.021,1.143], df[0.042,0.100], g[0.776,0.142]
1/1 [=====] - 0s 70ms/step
>515, dr[0.071,1.264], df[0.098,0.056], g[0.557,0.110]
1/1 [=====] - 0s 79ms/step
>516, dr[0.054,0.500], df[0.096,0.112], g[0.493,0.130]
1/1 [=====] - 0s 75ms/step
>517, dr[0.081,0.657], df[0.230,0.132], g[0.427,0.198]
1/1 [=====] - 0s 71ms/step
>518, dr[0.130,0.490], df[0.035,0.084], g[0.466,0.096]
1/1 [=====] - 0s 75ms/step
>519, dr[0.152,1.235], df[0.200,0.218], g[0.580,0.194]
1/1 [=====] - 0s 76ms/step
>520, dr[0.096,0.444], df[0.152,0.144], g[0.636,0.167]
1/1 [=====] - 0s 69ms/step
>521, dr[0.259,1.170], df[0.153,0.115], g[0.936,0.141]
1/1 [=====] - 0s 70ms/step
>522, dr[0.123,0.924], df[0.209,0.145], g[0.636,0.089]
1/1 [=====] - 0s 65ms/step
>523, dr[0.639,0.863], df[0.273,0.134], g[0.515,0.187]
1/1 [=====] - 0s 72ms/step
>524, dr[0.299,0.462], df[0.230,0.161], g[0.371,0.148]
1/1 [=====] - 0s 66ms/step
>525, dr[0.147,0.593], df[0.415,0.057], g[0.575,0.159]
1/1 [=====] - 0s 77ms/step
>526, dr[0.584,0.549], df[0.558,0.127], g[1.237,0.088]
1/1 [=====] - 0s 63ms/step
>527, dr[0.462,0.204], df[0.337,0.100], g[1.227,0.092]
1/1 [=====] - 0s 74ms/step
>528, dr[0.524,1.120], df[0.254,0.108], g[1.892,0.181]
1/1 [=====] - 0s 70ms/step
>529, dr[1.126,0.341], df[0.662,0.065], g[0.819,0.173]
1/1 [=====] - 0s 73ms/step
>530, dr[0.295,0.501], df[1.080,0.175], g[1.394,0.133]
1/1 [=====] - 0s 67ms/step
>531, dr[0.820,0.687], df[0.337,0.180], g[1.185,0.181]
1/1 [=====] - 0s 74ms/step
>532, dr[0.670,0.619], df[0.131,0.172], g[1.023,0.182]
1/1 [=====] - 0s 67ms/step
>533, dr[1.461,0.918], df[0.780,0.205], g[0.400,0.127]
1/1 [=====] - 0s 94ms/step
>534, dr[0.242,0.541], df[1.187,0.139], g[0.470,0.168]
1/1 [=====] - 0s 71ms/step
>535, dr[0.198,0.793], df[1.778,0.160], g[1.572,0.152]
1/1 [=====] - 0s 72ms/step
>536, dr[0.938,0.900], df[0.582,0.348], g[2.098,0.275]
1/1 [=====] - 0s 66ms/step
>537, dr[2.712,0.624], df[0.735,0.141], g[1.980,0.149]
1/1 [=====] - 0s 71ms/step
>538, dr[1.601,0.693], df[1.122,0.153], g[0.966,0.110]
1/1 [=====] - 0s 70ms/step
>539, dr[1.006,1.071], df[1.485,0.340], g[0.893,0.130]
1/1 [=====] - 0s 75ms/step
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>540, dr[0.298,1.234], df[1.581,0.283], g[1.024,0.050]
1/1 [=====] - 0s 64ms/step
>541, dr[0.502,0.735], df[0.402,0.154], g[2.039,0.122]
1/1 [=====] - 0s 73ms/step
>542, dr[0.584,1.504], df[0.426,0.158], g[2.528,0.124]
1/1 [=====] - 0s 67ms/step
>543, dr[0.573,0.209], df[0.388,0.103], g[3.424,0.063]
1/1 [=====] - 0s 70ms/step
>544, dr[0.637,1.496], df[0.074,0.245], g[2.880,0.075]
1/1 [=====] - 0s 65ms/step
>545, dr[0.468,0.775], df[0.197,0.117], g[2.599,0.091]
1/1 [=====] - 0s 81ms/step
>546, dr[0.545,0.657], df[0.294,0.121], g[1.380,0.097]
1/1 [=====] - 0s 70ms/step
>547, dr[0.058,0.769], df[0.242,0.054], g[1.692,0.060]
1/1 [=====] - 0s 71ms/step
>548, dr[0.444,0.658], df[0.864,0.120], g[1.174,0.080]
1/1 [=====] - 0s 66ms/step
>549, dr[0.125,0.456], df[1.673,0.053], g[1.304,0.043]
1/1 [=====] - 0s 68ms/step
>550, dr[0.055,0.930], df[0.551,0.042], g[2.695,0.083]
1/1 [=====] - 0s 66ms/step
>551, dr[0.528,0.816], df[0.343,0.022], g[3.358,0.049]
1/1 [=====] - 0s 67ms/step
>552, dr[1.281,0.453], df[0.297,0.044], g[3.830,0.060]
1/1 [=====] - 0s 67ms/step
>553, dr[1.358,0.810], df[0.537,0.091], g[2.812,0.041]
1/1 [=====] - 0s 68ms/step
>554, dr[1.688,0.757], df[0.938,0.094], g[2.003,0.034]
1/1 [=====] - 0s 76ms/step
>555, dr[0.733,0.801], df[1.627,0.082], g[1.498,0.049]
1/1 [=====] - 0s 70ms/step
>556, dr[0.569,1.108], df[1.390,0.127], g[2.042,0.058]
1/1 [=====] - 0s 66ms/step
>557, dr[1.658,1.033], df[0.724,0.125], g[1.822,0.040]
1/1 [=====] - 0s 66ms/step
>558, dr[0.779,1.050], df[0.283,0.218], g[2.116,0.225]
1/1 [=====] - 0s 68ms/step
>559, dr[1.505,0.839], df[0.127,0.338], g[1.439,0.106]
1/1 [=====] - 0s 75ms/step
>560, dr[1.589,1.121], df[0.063,0.330], g[1.375,0.093]
1/1 [=====] - 0s 66ms/step
>561, dr[0.520,0.654], df[0.149,0.515], g[0.655,0.144]
1/1 [=====] - 0s 69ms/step
>562, dr[0.259,0.778], df[0.202,0.569], g[0.339,0.145]
1/1 [=====] - 0s 68ms/step
>563, dr[0.101,0.757], df[0.323,0.622], g[0.301,0.239]
1/1 [=====] - 0s 64ms/step
>564, dr[0.151,0.802], df[0.144,0.302], g[0.278,0.361]
1/1 [=====] - 0s 66ms/step
>565, dr[0.045,1.968], df[0.091,0.678], g[0.448,0.326]
1/1 [=====] - 0s 66ms/step
>566, dr[0.027,0.680], df[0.028,0.848], g[0.527,0.371]
1/1 [=====] - 0s 68ms/step
>567, dr[0.060,0.797], df[0.070,0.752], g[0.558,0.186]
1/1 [=====] - 0s 70ms/step
>568, dr[0.011,1.008], df[0.010,0.741], g[0.770,0.225]
1/1 [=====] - 0s 66ms/step
>569, dr[0.028,1.528], df[0.010,0.509], g[0.777,0.175]
1/1 [=====] - 0s 66ms/step
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>570, dr[0.007,0.764], df[0.002,0.513], g[1.021,0.183]
1/1 [=====] - 0s 66ms/step
>571, dr[0.024,0.712], df[0.051,0.484], g[0.790,0.204]
1/1 [=====] - 0s 67ms/step
>572, dr[0.032,0.676], df[0.054,0.627], g[0.729,0.195]
1/1 [=====] - 0s 66ms/step
>573, dr[0.020,0.607], df[0.028,0.459], g[0.614,0.183]
1/1 [=====] - 0s 65ms/step
>574, dr[0.015,0.740], df[0.014,0.396], g[0.555,0.223]
1/1 [=====] - 0s 71ms/step
>575, dr[0.022,0.516], df[0.021,0.360], g[0.622,0.146]
1/1 [=====] - 0s 67ms/step
>576, dr[0.016,0.823], df[0.243,0.186], g[0.459,0.095]
1/1 [=====] - 0s 65ms/step
>577, dr[0.035,1.667], df[0.025,0.161], g[0.533,0.048]
1/1 [=====] - 0s 69ms/step
>578, dr[0.033,1.417], df[0.152,0.129], g[0.446,0.154]
1/1 [=====] - 0s 67ms/step
>579, dr[0.053,1.006], df[0.335,0.110], g[0.454,0.054]
1/1 [=====] - 0s 82ms/step
>580, dr[0.015,1.375], df[0.201,0.088], g[0.631,0.089]
1/1 [=====] - 0s 71ms/step
>581, dr[0.057,1.265], df[0.221,0.104], g[1.402,0.112]
1/1 [=====] - 0s 66ms/step
>582, dr[0.043,0.559], df[0.171,0.090], g[1.358,0.054]
1/1 [=====] - 0s 75ms/step
>583, dr[0.188,0.978], df[0.141,0.122], g[1.591,0.123]
1/1 [=====] - 0s 67ms/step
>584, dr[0.289,0.852], df[0.052,0.140], g[1.533,0.045]
1/1 [=====] - 0s 75ms/step
>585, dr[0.207,0.748], df[0.158,0.164], g[1.451,0.038]
1/1 [=====] - 0s 101ms/step
>586, dr[0.376,1.162], df[0.675,0.073], g[1.387,0.115]
1/1 [=====] - 0s 131ms/step
>587, dr[0.366,0.642], df[0.181,0.057], g[1.357,0.040]
1/1 [=====] - 0s 120ms/step
>588, dr[0.447,1.075], df[0.299,0.108], g[1.403,0.089]
1/1 [=====] - 0s 73ms/step
>589, dr[0.869,0.711], df[0.755,0.107], g[1.088,0.083]
1/1 [=====] - 0s 70ms/step
>590, dr[0.108,0.702], df[1.166,0.130], g[1.229,0.044]
1/1 [=====] - 0s 67ms/step
>591, dr[0.758,0.839], df[0.301,0.061], g[1.584,0.063]
1/1 [=====] - 0s 74ms/step
>592, dr[1.895,0.872], df[1.634,0.057], g[0.921,0.069]
1/1 [=====] - 0s 104ms/step
>593, dr[0.367,1.059], df[2.609,0.047], g[1.442,0.068]
1/1 [=====] - 0s 70ms/step
>594, dr[0.658,1.116], df[0.347,0.241], g[2.777,0.116]
1/1 [=====] - 0s 74ms/step
>595, dr[1.851,1.108], df[0.791,0.332], g[2.094,0.094]
1/1 [=====] - 0s 68ms/step
>596, dr[1.448,0.973], df[0.616,0.393], g[1.668,0.055]
1/1 [=====] - 0s 71ms/step
>597, dr[1.330,1.056], df[0.812,0.446], g[1.493,0.036]
1/1 [=====] - 0s 72ms/step
>598, dr[0.770,0.863], df[0.385,0.414], g[1.048,0.078]
1/1 [=====] - 0s 73ms/step
>599, dr[0.139,0.983], df[0.534,0.330], g[0.842,0.054]
1/1 [=====] - 0s 69ms/step
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>600, dr[0.175,0.829], df[0.220,0.313], g[0.910,0.085]
1/1 [=====] - 0s 72ms/step
>601, dr[0.199,0.716], df[0.143,0.459], g[0.909,0.128]
1/1 [=====] - 0s 71ms/step
>602, dr[0.286,0.491], df[0.077,0.460], g[0.835,0.101]
1/1 [=====] - 0s 71ms/step
>603, dr[0.095,0.857], df[0.056,0.295], g[0.997,0.118]
1/1 [=====] - 0s 67ms/step
>604, dr[0.042,1.059], df[0.206,0.426], g[1.021,0.124]
1/1 [=====] - 0s 72ms/step
>605, dr[0.043,0.530], df[0.025,0.440], g[1.014,0.236]
1/1 [=====] - 0s 65ms/step
>606, dr[0.090,0.817], df[0.039,0.398], g[1.121,0.154]
1/1 [=====] - 0s 71ms/step
>607, dr[0.063,2.022], df[0.045,0.498], g[0.834,0.134]
1/1 [=====] - 0s 66ms/step
>608, dr[0.019,0.982], df[0.124,0.360], g[1.314,0.158]
1/1 [=====] - 0s 77ms/step
>609, dr[0.020,0.205], df[0.019,0.250], g[1.531,0.081]
1/1 [=====] - 0s 67ms/step
>610, dr[0.013,1.270], df[0.543,0.197], g[1.239,0.077]
1/1 [=====] - 0s 71ms/step
>611, dr[0.052,0.723], df[0.107,0.066], g[1.686,0.046]
1/1 [=====] - 0s 65ms/step
>612, dr[0.093,0.684], df[0.029,0.050], g[1.388,0.040]
1/1 [=====] - 0s 75ms/step
>613, dr[0.200,0.801], df[0.152,0.068], g[1.524,0.021]
1/1 [=====] - 0s 65ms/step
>614, dr[0.183,0.624], df[0.158,0.029], g[1.226,0.019]
1/1 [=====] - 0s 71ms/step
>615, dr[0.073,0.311], df[0.113,0.041], g[1.286,0.043]
1/1 [=====] - 0s 69ms/step
>616, dr[0.130,0.421], df[0.440,0.025], g[1.290,0.025]
1/1 [=====] - 0s 72ms/step
>617, dr[0.227,0.442], df[0.253,0.044], g[1.065,0.022]
1/1 [=====] - 0s 66ms/step
>618, dr[0.765,0.535], df[0.574,0.036], g[1.002,0.014]
1/1 [=====] - 0s 75ms/step
>619, dr[0.603,0.606], df[1.087,0.028], g[1.169,0.023]
1/1 [=====] - 0s 69ms/step
>620, dr[0.394,0.580], df[0.555,0.015], g[1.887,0.083]
1/1 [=====] - 0s 75ms/step
>621, dr[0.416,1.164], df[0.360,0.069], g[2.246,0.071]
1/1 [=====] - 0s 76ms/step
>622, dr[0.846,0.416], df[0.610,0.033], g[1.954,0.041]
1/1 [=====] - 0s 70ms/step
>623, dr[0.650,0.734], df[0.327,0.072], g[2.113,0.086]
1/1 [=====] - 0s 66ms/step
>624, dr[0.352,1.126], df[0.248,0.150], g[2.383,0.120]
1/1 [=====] - 0s 72ms/step
>625, dr[1.064,0.612], df[1.118,0.020], g[1.400,0.058]
1/1 [=====] - 0s 69ms/step
>626, dr[0.779,0.861], df[0.651,0.048], g[1.735,0.072]
1/1 [=====] - 0s 69ms/step
>627, dr[0.520,0.940], df[0.354,0.061], g[1.572,0.068]
1/1 [=====] - 0s 70ms/step
>628, dr[1.249,0.428], df[0.386,0.180], g[1.686,0.056]
1/1 [=====] - 0s 70ms/step
>629, dr[0.679,0.534], df[0.441,0.162], g[1.418,0.080]
1/1 [=====] - 0s 68ms/step
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>630, dr[0.369,0.303], df[0.273,0.145], g[1.119,0.066]
1/1 [=====] - 0s 70ms/step
>631, dr[0.193,0.949], df[0.327,0.226], g[1.937,0.066]
1/1 [=====] - 0s 70ms/step
>632, dr[0.101,1.083], df[0.161,0.072], g[1.734,0.068]
1/1 [=====] - 0s 70ms/step
>633, dr[0.098,0.777], df[0.094,0.098], g[2.161,0.044]
1/1 [=====] - 0s 71ms/step
>634, dr[0.142,0.407], df[0.101,0.069], g[2.636,0.078]
1/1 [=====] - 0s 72ms/step
>635, dr[0.229,0.462], df[0.089,0.099], g[2.389,0.080]
1/1 [=====] - 0s 67ms/step
>636, dr[0.078,0.668], df[0.115,0.040], g[2.657,0.084]
1/1 [=====] - 0s 76ms/step
>637, dr[0.162,1.152], df[0.066,0.159], g[2.420,0.086]
1/1 [=====] - 0s 68ms/step
>638, dr[0.329,0.783], df[0.064,0.084], g[1.797,0.055]
1/1 [=====] - 0s 81ms/step
>639, dr[0.185,0.463], df[0.084,0.060], g[1.553,0.066]
1/1 [=====] - 0s 67ms/step
>640, dr[0.048,0.804], df[0.447,0.081], g[1.460,0.053]
1/1 [=====] - 0s 73ms/step
>641, dr[0.141,0.577], df[0.196,0.026], g[1.291,0.038]
1/1 [=====] - 0s 66ms/step
>642, dr[0.146,0.801], df[0.257,0.028], g[1.606,0.071]
1/1 [=====] - 0s 79ms/step
>643, dr[0.309,1.484], df[0.139,0.027], g[1.889,0.023]
1/1 [=====] - 0s 66ms/step
>644, dr[0.221,0.974], df[0.104,0.024], g[1.716,0.040]
1/1 [=====] - 0s 71ms/step
>645, dr[0.314,1.209], df[0.169,0.028], g[1.360,0.033]
1/1 [=====] - 0s 68ms/step
>646, dr[0.058,0.378], df[0.451,0.031], g[1.016,0.043]
1/1 [=====] - 0s 71ms/step
>647, dr[0.465,0.378], df[0.162,0.056], g[0.908,0.037]
1/1 [=====] - 0s 65ms/step
>648, dr[0.185,1.320], df[1.321,0.050], g[1.289,0.090]
1/1 [=====] - 0s 74ms/step
>649, dr[0.371,1.169], df[0.885,0.061], g[1.891,0.072]
1/1 [=====] - 0s 69ms/step
>650, dr[0.605,1.054], df[0.363,0.064], g[2.200,0.033]
1/1 [=====] - 0s 70ms/step
>651, dr[1.760,0.419], df[0.522,0.038], g[2.239,0.057]
1/1 [=====] - 0s 67ms/step
>652, dr[0.978,0.548], df[0.298,0.036], g[2.127,0.072]
1/1 [=====] - 0s 70ms/step
>653, dr[0.820,0.712], df[0.959,0.056], g[1.576,0.106]
1/1 [=====] - 0s 66ms/step
>654, dr[0.706,0.600], df[0.756,0.035], g[1.178,0.064]
1/1 [=====] - 0s 72ms/step
>655, dr[0.517,0.582], df[0.862,0.072], g[0.925,0.036]
1/1 [=====] - 0s 67ms/step
>656, dr[0.465,0.557], df[0.540,0.052], g[0.839,0.035]
1/1 [=====] - 0s 74ms/step
>657, dr[0.760,0.994], df[0.545,0.024], g[0.849,0.039]
1/1 [=====] - 0s 66ms/step
>658, dr[0.457,0.620], df[0.530,0.102], g[0.836,0.024]
1/1 [=====] - 0s 71ms/step
>659, dr[0.330,1.009], df[0.457,0.113], g[0.667,0.048]
1/1 [=====] - 0s 73ms/step
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>660, dr[0.242,1.043], df[0.369,0.070], g[1.069,0.063]
1/1 [=====] - 0s 71ms/step
>661, dr[0.186,1.109], df[0.164,0.053], g[1.104,0.051]
1/1 [=====] - 0s 70ms/step
>662, dr[0.616,0.450], df[0.478,0.126], g[0.942,0.061]
1/1 [=====] - 0s 85ms/step
>663, dr[0.283,0.780], df[0.572,0.061], g[1.115,0.042]
1/1 [=====] - 0s 77ms/step
>664, dr[0.186,0.687], df[0.303,0.017], g[0.960,0.044]
1/1 [=====] - 0s 66ms/step
>665, dr[0.353,0.836], df[0.315,0.070], g[1.187,0.042]
1/1 [=====] - 0s 73ms/step
>666, dr[0.416,0.593], df[0.628,0.093], g[1.642,0.026]
1/1 [=====] - 0s 75ms/step
>667, dr[0.653,0.399], df[0.174,0.065], g[1.182,0.042]
1/1 [=====] - 0s 104ms/step
>668, dr[0.492,0.830], df[0.661,0.123], g[1.057,0.061]
1/1 [=====] - 0s 75ms/step
>669, dr[0.436,0.618], df[0.650,0.047], g[1.310,0.047]
1/1 [=====] - 0s 78ms/step
>670, dr[0.427,0.389], df[0.874,0.017], g[1.571,0.071]
1/1 [=====] - 0s 72ms/step
>671, dr[0.217,0.763], df[0.773,0.029], g[1.944,0.027]
1/1 [=====] - 0s 76ms/step
>672, dr[1.046,0.600], df[0.856,0.055], g[2.310,0.046]
1/1 [=====] - 0s 67ms/step
>673, dr[0.924,0.984], df[0.769,0.032], g[2.073,0.074]
1/1 [=====] - 0s 68ms/step
>674, dr[0.943,0.744], df[0.608,0.034], g[1.736,0.076]
1/1 [=====] - 0s 66ms/step
>675, dr[1.174,1.535], df[0.663,0.049], g[1.788,0.055]
1/1 [=====] - 0s 68ms/step
>676, dr[1.982,1.194], df[0.618,0.063], g[1.201,0.037]
1/1 [=====] - 0s 67ms/step
>677, dr[0.453,0.627], df[0.821,0.081], g[1.133,0.033]
1/1 [=====] - 0s 71ms/step
>678, dr[0.400,1.053], df[0.783,0.179], g[1.195,0.073]
1/1 [=====] - 0s 71ms/step
>679, dr[0.754,0.593], df[0.083,0.119], g[1.294,0.042]
1/1 [=====] - 0s 73ms/step
>680, dr[0.339,0.667], df[0.135,0.124], g[1.375,0.065]
1/1 [=====] - 0s 68ms/step
>681, dr[0.687,0.652], df[0.056,0.072], g[1.248,0.202]
1/1 [=====] - 0s 67ms/step
>682, dr[0.337,0.896], df[0.088,0.263], g[0.932,0.088]
1/1 [=====] - 0s 72ms/step
>683, dr[0.167,1.072], df[0.054,0.188], g[0.988,0.096]
1/1 [=====] - 0s 79ms/step
>684, dr[0.123,0.890], df[0.109,0.243], g[0.712,0.091]
1/1 [=====] - 0s 69ms/step
>685, dr[0.059,0.571], df[0.142,0.219], g[0.587,0.106]
1/1 [=====] - 0s 68ms/step
>686, dr[0.033,0.745], df[0.024,0.166], g[0.918,0.101]
1/1 [=====] - 0s 71ms/step
>687, dr[0.029,0.711], df[0.032,0.340], g[0.656,0.156]
1/1 [=====] - 0s 68ms/step
>688, dr[0.170,0.781], df[0.060,0.486], g[0.639,0.125]
1/1 [=====] - 0s 71ms/step
>689, dr[0.091,0.428], df[0.025,0.188], g[0.843,0.075]
1/1 [=====] - 0s 69ms/step
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>690, dr[0.030,0.517], df[0.013,0.202], g[0.564,0.165]
1/1 [=====] - 0s 72ms/step
>691, dr[0.023,0.701], df[0.043,0.192], g[0.565,0.175]
1/1 [=====] - 0s 68ms/step
>692, dr[0.107,0.917], df[0.026,0.233], g[0.582,0.086]
1/1 [=====] - 0s 75ms/step
>693, dr[0.013,0.905], df[0.025,0.146], g[0.359,0.052]
1/1 [=====] - 0s 67ms/step
>694, dr[0.012,0.477], df[0.058,0.056], g[0.280,0.076]
1/1 [=====] - 0s 73ms/step
>695, dr[0.018,1.086], df[0.031,0.204], g[0.596,0.062]
1/1 [=====] - 0s 66ms/step
>696, dr[0.014,1.029], df[0.040,0.078], g[0.467,0.158]
1/1 [=====] - 0s 72ms/step
>697, dr[0.022,0.608], df[0.027,0.088], g[0.443,0.050]
1/1 [=====] - 0s 66ms/step
>698, dr[0.029,0.642], df[0.061,0.063], g[0.403,0.043]
1/1 [=====] - 0s 74ms/step
>699, dr[0.013,1.043], df[0.035,0.130], g[0.471,0.065]
1/1 [=====] - 0s 85ms/step
>700, dr[0.024,0.899], df[0.062,0.076], g[0.448,0.117]
1/1 [=====] - 0s 78ms/step
>701, dr[0.045,0.575], df[0.019,0.153], g[0.539,0.138]
1/1 [=====] - 0s 67ms/step
>702, dr[0.072,0.545], df[0.166,0.072], g[0.553,0.080]
1/1 [=====] - 0s 76ms/step
>703, dr[0.024,0.710], df[0.089,0.113], g[0.615,0.050]
1/1 [=====] - 0s 68ms/step
>704, dr[0.020,0.729], df[0.041,0.114], g[0.677,0.091]
1/1 [=====] - 0s 147ms/step
>705, dr[0.037,0.904], df[0.064,0.111], g[0.636,0.110]
1/1 [=====] - 0s 150ms/step
>706, dr[0.090,0.770], df[0.014,0.036], g[0.628,0.063]
1/1 [=====] - 0s 83ms/step
>707, dr[0.047,1.350], df[0.011,0.096], g[0.487,0.038]
1/1 [=====] - 0s 96ms/step
>708, dr[0.061,0.729], df[0.018,0.050], g[0.426,0.028]
1/1 [=====] - 0s 78ms/step
>709, dr[0.075,0.934], df[0.047,0.036], g[0.520,0.081]
1/1 [=====] - 0s 69ms/step
>710, dr[0.050,0.338], df[0.019,0.048], g[0.292,0.055]
1/1 [=====] - 0s 71ms/step
>711, dr[0.075,0.628], df[0.318,0.041], g[0.452,0.110]
1/1 [=====] - 0s 67ms/step
>712, dr[0.033,0.575], df[0.165,0.035], g[0.351,0.083]
1/1 [=====] - 0s 67ms/step
>713, dr[0.161,1.079], df[0.064,0.056], g[0.466,0.058]
1/1 [=====] - 0s 70ms/step
>714, dr[0.094,0.486], df[0.074,0.039], g[0.308,0.052]
1/1 [=====] - 0s 75ms/step
>715, dr[0.197,0.778], df[0.065,0.115], g[0.428,0.033]
1/1 [=====] - 0s 82ms/step
>716, dr[0.205,0.886], df[0.218,0.067], g[0.319,0.039]
1/1 [=====] - 0s 76ms/step
>717, dr[0.112,0.752], df[0.162,0.119], g[0.308,0.091]
1/1 [=====] - 0s 74ms/step
>718, dr[0.181,0.658], df[0.271,0.062], g[0.274,0.083]
1/1 [=====] - 0s 68ms/step
>719, dr[0.157,1.136], df[0.438,0.192], g[0.484,0.071]
1/1 [=====] - 0s 76ms/step
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>720, dr[0.416,0.393], df[0.255,0.066], g[0.352,0.090]
1/1 [=====] - 0s 73ms/step
>721, dr[0.563,0.492], df[0.144,0.014], g[0.363,0.036]
1/1 [=====] - 0s 70ms/step
>722, dr[0.088,0.735], df[0.108,0.046], g[0.433,0.076]
1/1 [=====] - 0s 65ms/step
>723, dr[0.196,0.955], df[0.111,0.037], g[0.359,0.052]
1/1 [=====] - 0s 71ms/step
>724, dr[0.271,0.843], df[0.703,0.033], g[0.238,0.062]
1/1 [=====] - 0s 71ms/step
>725, dr[0.489,0.786], df[1.347,0.037], g[0.406,0.050]
1/1 [=====] - 0s 72ms/step
>726, dr[1.465,1.076], df[0.457,0.107], g[0.357,0.041]
1/1 [=====] - 0s 66ms/step
>727, dr[0.323,1.028], df[0.185,0.025], g[0.342,0.041]
1/1 [=====] - 0s 72ms/step
>728, dr[0.517,0.613], df[0.465,0.028], g[0.346,0.044]
1/1 [=====] - 0s 68ms/step
>729, dr[0.290,1.101], df[0.645,0.057], g[0.300,0.050]
1/1 [=====] - 0s 76ms/step
>730, dr[0.439,1.006], df[0.668,0.043], g[0.278,0.045]
1/1 [=====] - 0s 66ms/step
>731, dr[0.454,0.522], df[0.282,0.041], g[0.475,0.048]
1/1 [=====] - 0s 73ms/step
>732, dr[0.578,0.924], df[0.738,0.045], g[0.380,0.018]
1/1 [=====] - 0s 65ms/step
>733, dr[1.420,0.856], df[0.743,0.023], g[0.508,0.029]
1/1 [=====] - 0s 73ms/step
>734, dr[0.381,0.585], df[0.618,0.059], g[0.487,0.063]
1/1 [=====] - 0s 67ms/step
>735, dr[0.797,1.005], df[0.408,0.034], g[0.355,0.020]
1/1 [=====] - 0s 71ms/step
>736, dr[0.459,0.492], df[0.906,0.016], g[0.391,0.029]
1/1 [=====] - 0s 70ms/step
>737, dr[0.255,0.598], df[0.735,0.020], g[0.675,0.027]
1/1 [=====] - 0s 75ms/step
>738, dr[0.545,0.485], df[0.399,0.019], g[0.641,0.058]
1/1 [=====] - 0s 66ms/step
>739, dr[0.600,0.580], df[0.605,0.048], g[0.900,0.043]
1/1 [=====] - 0s 73ms/step
>740, dr[0.811,0.816], df[0.602,0.043], g[1.057,0.037]
1/1 [=====] - 0s 70ms/step
>741, dr[0.722,1.053], df[0.547,0.057], g[1.472,0.080]
1/1 [=====] - 0s 76ms/step
>742, dr[0.913,1.052], df[0.379,0.020], g[1.432,0.055]
1/1 [=====] - 0s 66ms/step
>743, dr[0.845,0.658], df[0.442,0.030], g[1.632,0.023]
1/1 [=====] - 0s 71ms/step
>744, dr[0.669,0.346], df[0.356,0.017], g[1.391,0.029]
1/1 [=====] - 0s 66ms/step
>745, dr[0.691,0.969], df[0.542,0.048], g[1.229,0.023]
1/1 [=====] - 0s 72ms/step
>746, dr[0.423,0.531], df[0.665,0.037], g[1.124,0.030]
1/1 [=====] - 0s 66ms/step
>747, dr[0.500,0.814], df[0.335,0.015], g[1.345,0.049]
1/1 [=====] - 0s 73ms/step
>748, dr[0.298,0.437], df[0.255,0.053], g[1.277,0.028]
1/1 [=====] - 0s 66ms/step
>749, dr[0.395,0.806], df[0.238,0.031], g[1.292,0.047]
1/1 [=====] - 0s 79ms/step
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>750, dr[0.411,1.090], df[0.305,0.051], g[1.453,0.059]
1/1 [=====] - 0s 68ms/step
>751, dr[0.244,0.626], df[0.385,0.084], g[1.515,0.049]
1/1 [=====] - 0s 72ms/step
>752, dr[0.400,0.481], df[0.236,0.044], g[1.067,0.051]
1/1 [=====] - 0s 70ms/step
>753, dr[0.171,0.650], df[0.095,0.051], g[1.006,0.052]
1/1 [=====] - 0s 70ms/step
>754, dr[0.470,1.098], df[0.093,0.025], g[0.722,0.029]
1/1 [=====] - 0s 68ms/step
>755, dr[0.436,1.041], df[0.376,0.119], g[0.723,0.048]
1/1 [=====] - 0s 76ms/step
>756, dr[0.172,0.528], df[0.357,0.053], g[0.549,0.053]
1/1 [=====] - 0s 74ms/step
>757, dr[0.128,0.745], df[0.499,0.047], g[0.672,0.079]
1/1 [=====] - 0s 89ms/step
>758, dr[0.231,0.706], df[0.338,0.144], g[0.838,0.035]
1/1 [=====] - 0s 70ms/step
>759, dr[0.195,0.451], df[0.112,0.074], g[0.966,0.048]
1/1 [=====] - 0s 151ms/step
>760, dr[0.513,0.933], df[0.132,0.049], g[0.871,0.038]
1/1 [=====] - 0s 108ms/step
>761, dr[0.410,0.946], df[0.090,0.039], g[0.679,0.086]
1/1 [=====] - 0s 84ms/step
>762, dr[0.178,1.014], df[0.047,0.052], g[0.410,0.037]
1/1 [=====] - 0s 87ms/step
>763, dr[0.123,0.475], df[0.147,0.067], g[0.411,0.044]
1/1 [=====] - 0s 75ms/step
>764, dr[0.181,0.707], df[0.102,0.081], g[0.396,0.041]
1/1 [=====] - 0s 74ms/step
>765, dr[0.261,1.236], df[0.209,0.080], g[0.320,0.035]
1/1 [=====] - 0s 72ms/step
>766, dr[0.180,0.657], df[0.720,0.044], g[0.336,0.056]
1/1 [=====] - 0s 74ms/step
>767, dr[0.666,1.127], df[1.172,0.047], g[0.391,0.046]
1/1 [=====] - 0s 74ms/step
>768, dr[0.151,0.688], df[0.434,0.035], g[0.786,0.085]
1/1 [=====] - 0s 78ms/step
>769, dr[0.347,0.481], df[0.043,0.031], g[0.970,0.047]
1/1 [=====] - 0s 65ms/step
>770, dr[0.511,1.096], df[0.056,0.062], g[1.101,0.103]
1/1 [=====] - 0s 70ms/step
>771, dr[0.347,0.307], df[0.103,0.056], g[0.867,0.087]
1/1 [=====] - 0s 71ms/step
>772, dr[0.829,0.611], df[0.286,0.055], g[0.554,0.077]
1/1 [=====] - 0s 79ms/step
>773, dr[0.374,0.724], df[0.681,0.046], g[0.398,0.043]
1/1 [=====] - 0s 68ms/step
>774, dr[0.317,0.908], df[0.744,0.073], g[0.483,0.057]
1/1 [=====] - 0s 71ms/step
>775, dr[0.373,0.259], df[1.053,0.049], g[0.784,0.036]
1/1 [=====] - 0s 77ms/step
>776, dr[0.765,0.761], df[0.653,0.030], g[0.955,0.077]
1/1 [=====] - 0s 70ms/step
>777, dr[0.260,0.729], df[0.398,0.043], g[2.075,0.045]
1/1 [=====] - 0s 72ms/step
>778, dr[1.046,0.604], df[0.180,0.028], g[2.067,0.045]
1/1 [=====] - 0s 71ms/step
>779, dr[0.649,0.708], df[0.315,0.036], g[1.935,0.070]
1/1 [=====] - 0s 74ms/step
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>780, dr[1.145,0.557], df[0.273,0.047], g[1.946,0.055]
1/1 [=====] - 0s 71ms/step
>781, dr[0.384,0.990], df[0.488,0.083], g[1.945,0.061]
1/1 [=====] - 0s 74ms/step
>782, dr[0.486,0.534], df[0.429,0.039], g[2.019,0.065]
1/1 [=====] - 0s 67ms/step
>783, dr[0.527,0.892], df[0.311,0.038], g[2.435,0.102]
1/1 [=====] - 0s 71ms/step
>784, dr[0.252,0.355], df[0.289,0.047], g[2.813,0.087]
1/1 [=====] - 0s 67ms/step
>785, dr[0.323,0.734], df[0.247,0.067], g[2.736,0.075]
1/1 [=====] - 0s 69ms/step
>786, dr[0.446,0.620], df[0.307,0.059], g[3.161,0.099]
1/1 [=====] - 0s 67ms/step
>787, dr[0.272,0.417], df[0.177,0.061], g[3.338,0.083]
1/1 [=====] - 0s 72ms/step
>788, dr[0.509,0.795], df[0.313,0.082], g[3.511,0.090]
1/1 [=====] - 0s 68ms/step
>789, dr[0.059,0.800], df[0.360,0.031], g[3.883,0.097]
1/1 [=====] - 0s 73ms/step
>790, dr[0.142,0.903], df[0.168,0.104], g[3.858,0.067]
1/1 [=====] - 0s 68ms/step
>791, dr[0.298,0.381], df[0.165,0.109], g[3.925,0.196]
1/1 [=====] - 0s 74ms/step
>792, dr[0.234,0.878], df[0.229,0.059], g[3.742,0.140]
1/1 [=====] - 0s 66ms/step
>793, dr[0.112,0.698], df[0.227,0.262], g[3.307,0.110]
1/1 [=====] - 0s 75ms/step
>794, dr[0.264,1.321], df[0.260,0.135], g[3.419,0.105]
1/1 [=====] - 0s 72ms/step
>795, dr[0.116,0.569], df[0.158,0.030], g[3.013,0.116]
1/1 [=====] - 0s 73ms/step
>796, dr[0.212,0.945], df[0.223,0.094], g[3.161,0.085]
1/1 [=====] - 0s 67ms/step
>797, dr[0.202,0.694], df[0.250,0.084], g[3.094,0.038]
1/1 [=====] - 0s 73ms/step
>798, dr[0.368,0.381], df[0.084,0.039], g[2.473,0.110]
1/1 [=====] - 0s 69ms/step
>799, dr[0.372,0.699], df[0.249,0.050], g[2.445,0.061]
1/1 [=====] - 0s 75ms/step
>800, dr[0.536,0.623], df[0.222,0.150], g[2.677,0.035]
1/1 [=====] - 0s 67ms/step
>801, dr[0.213,0.478], df[0.527,0.147], g[1.855,0.053]
1/1 [=====] - 0s 71ms/step
>802, dr[0.255,0.625], df[0.702,0.030], g[2.222,0.064]
1/1 [=====] - 0s 70ms/step
>803, dr[0.158,0.597], df[0.388,0.050], g[2.348,0.037]
1/1 [=====] - 0s 69ms/step
>804, dr[0.286,0.649], df[0.231,0.029], g[2.789,0.061]
1/1 [=====] - 0s 67ms/step
>805, dr[0.215,0.720], df[0.195,0.027], g[2.760,0.064]
1/1 [=====] - 0s 76ms/step
>806, dr[0.362,1.323], df[0.235,0.041], g[2.941,0.058]
1/1 [=====] - 0s 66ms/step
>807, dr[0.159,0.784], df[0.221,0.120], g[2.646,0.045]
1/1 [=====] - 0s 74ms/step
>808, dr[0.249,0.697], df[0.385,0.047], g[2.422,0.056]
1/1 [=====] - 0s 66ms/step
>809, dr[0.294,0.200], df[0.180,0.035], g[2.986,0.067]
1/1 [=====] - 0s 75ms/step
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>810, dr[0.453,1.065], df[0.582,0.025], g[2.328,0.032]
1/1 [=====] - 0s 66ms/step
>811, dr[0.362,1.267], df[0.424,0.040], g[2.181,0.073]
1/1 [=====] - 0s 74ms/step
>812, dr[0.284,1.059], df[0.461,0.078], g[2.424,0.100]
1/1 [=====] - 0s 84ms/step
>813, dr[0.739,0.445], df[0.463,0.043], g[1.933,0.044]
1/1 [=====] - 0s 75ms/step
>814, dr[0.680,0.821], df[0.314,0.141], g[1.883,0.084]
1/1 [=====] - 0s 87ms/step
>815, dr[0.436,0.368], df[0.327,0.115], g[1.906,0.072]
1/1 [=====] - 0s 79ms/step
>816, dr[0.453,0.382], df[0.242,0.167], g[1.659,0.064]
1/1 [=====] - 0s 92ms/step
>817, dr[0.250,0.944], df[0.330,0.145], g[1.301,0.045]
1/1 [=====] - 0s 78ms/step
>818, dr[0.330,0.646], df[0.211,0.183], g[1.362,0.054]
1/1 [=====] - 0s 73ms/step
>819, dr[0.140,1.031], df[0.210,0.194], g[1.183,0.119]
1/1 [=====] - 0s 71ms/step
>820, dr[0.107,0.362], df[0.130,0.237], g[1.514,0.082]
1/1 [=====] - 0s 74ms/step
>821, dr[0.121,0.519], df[0.142,0.203], g[1.156,0.054]
1/1 [=====] - 0s 67ms/step
>822, dr[0.104,0.442], df[0.044,0.092], g[0.864,0.056]
1/1 [=====] - 0s 72ms/step
>823, dr[0.068,0.402], df[0.063,0.164], g[1.151,0.084]
1/1 [=====] - 0s 67ms/step
>824, dr[0.065,0.987], df[0.016,0.216], g[1.285,0.083]
1/1 [=====] - 0s 78ms/step
>825, dr[0.135,1.268], df[0.106,0.273], g[0.877,0.045]
1/1 [=====] - 0s 67ms/step
>826, dr[0.030,0.970], df[0.116,0.150], g[1.201,0.077]
1/1 [=====] - 0s 68ms/step
>827, dr[0.056,0.411], df[0.131,0.143], g[0.889,0.052]
1/1 [=====] - 0s 69ms/step
>828, dr[0.018,0.472], df[0.039,0.052], g[0.985,0.055]
1/1 [=====] - 0s 68ms/step
>829, dr[0.063,0.658], df[0.139,0.177], g[0.771,0.062]
1/1 [=====] - 0s 70ms/step
>830, dr[0.038,0.964], df[0.137,0.087], g[1.056,0.065]
1/1 [=====] - 0s 69ms/step
>831, dr[0.061,1.027], df[0.049,0.109], g[1.031,0.046]
1/1 [=====] - 0s 71ms/step
>832, dr[0.017,0.882], df[0.026,0.146], g[1.127,0.068]
1/1 [=====] - 0s 65ms/step
>833, dr[0.048,0.544], df[0.174,0.101], g[1.059,0.063]
1/1 [=====] - 0s 71ms/step
>834, dr[0.058,0.773], df[0.046,0.045], g[1.124,0.080]
1/1 [=====] - 0s 69ms/step
>835, dr[0.039,0.783], df[0.024,0.133], g[1.047,0.083]
1/1 [=====] - 0s 72ms/step
>836, dr[0.042,0.430], df[0.035,0.062], g[1.004,0.081]
1/1 [=====] - 0s 67ms/step
>837, dr[0.150,0.429], df[0.028,0.035], g[0.646,0.072]
1/1 [=====] - 0s 73ms/step
>838, dr[0.033,1.291], df[0.166,0.143], g[0.854,0.143]
1/1 [=====] - 0s 66ms/step
>839, dr[0.193,0.743], df[0.073,0.067], g[0.693,0.076]
1/1 [=====] - 0s 72ms/step
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>840, dr[0.025,1.129], df[0.045,0.056], g[0.421,0.099]
1/1 [=====] - 0s 70ms/step
>841, dr[0.081,0.884], df[0.451,0.053], g[0.536,0.071]
1/1 [=====] - 0s 71ms/step
>842, dr[0.047,0.912], df[0.205,0.053], g[0.804,0.051]
1/1 [=====] - 0s 66ms/step
>843, dr[0.081,0.797], df[0.123,0.076], g[0.937,0.062]
1/1 [=====] - 0s 74ms/step
>844, dr[0.111,0.635], df[0.142,0.081], g[1.042,0.134]
1/1 [=====] - 0s 66ms/step
>845, dr[0.092,0.876], df[0.082,0.072], g[1.258,0.130]
1/1 [=====] - 0s 72ms/step
>846, dr[0.203,0.680], df[0.030,0.045], g[1.290,0.144]
1/1 [=====] - 0s 70ms/step
>847, dr[0.307,0.728], df[0.111,0.046], g[0.960,0.108]
1/1 [=====] - 0s 73ms/step
>848, dr[0.176,1.159], df[0.094,0.066], g[1.193,0.069]
1/1 [=====] - 0s 66ms/step
>849, dr[0.080,0.679], df[0.121,0.091], g[0.910,0.150]
1/1 [=====] - 0s 76ms/step
>850, dr[0.220,0.478], df[0.525,0.220], g[0.864,0.058]
1/1 [=====] - 0s 83ms/step
>851, dr[0.305,0.698], df[0.210,0.103], g[0.995,0.093]
1/1 [=====] - 0s 86ms/step
>852, dr[0.077,0.766], df[0.286,0.116], g[1.356,0.266]
1/1 [=====] - 0s 69ms/step
>853, dr[0.205,0.425], df[0.216,0.104], g[1.563,0.051]
1/1 [=====] - 0s 75ms/step
>854, dr[0.174,0.577], df[0.177,0.072], g[1.850,0.151]
1/1 [=====] - 0s 75ms/step
>855, dr[0.357,0.679], df[0.222,0.106], g[2.032,0.080]
1/1 [=====] - 0s 66ms/step
>856, dr[0.372,0.386], df[0.175,0.191], g[2.246,0.052]
1/1 [=====] - 0s 75ms/step
>857, dr[0.323,0.762], df[0.155,0.045], g[1.912,0.119]
1/1 [=====] - 0s 72ms/step
>858, dr[0.120,0.761], df[0.307,0.047], g[2.141,0.059]
1/1 [=====] - 0s 70ms/step
>859, dr[0.303,0.821], df[0.369,0.039], g[2.202,0.055]
1/1 [=====] - 0s 73ms/step
>860, dr[0.368,0.576], df[0.235,0.032], g[2.203,0.081]
1/1 [=====] - 0s 76ms/step
>861, dr[0.261,0.808], df[0.414,0.108], g[1.883,0.040]
1/1 [=====] - 0s 83ms/step
>862, dr[0.085,0.735], df[0.353,0.039], g[2.091,0.137]
1/1 [=====] - 0s 66ms/step
>863, dr[0.254,0.636], df[0.111,0.094], g[2.584,0.111]
1/1 [=====] - 0s 72ms/step
>864, dr[0.268,0.499], df[0.216,0.060], g[2.407,0.071]
1/1 [=====] - 0s 70ms/step
>865, dr[0.568,0.559], df[0.222,0.025], g[1.997,0.044]
1/1 [=====] - 0s 75ms/step
>866, dr[0.557,0.623], df[0.282,0.039], g[1.741,0.085]
1/1 [=====] - 0s 65ms/step
>867, dr[0.326,0.957], df[0.445,0.039], g[1.759,0.062]
1/1 [=====] - 0s 72ms/step
>868, dr[0.566,0.808], df[0.547,0.016], g[1.704,0.051]
1/1 [=====] - 0s 68ms/step
>869, dr[0.295,0.445], df[0.374,0.058], g[1.302,0.057]
1/1 [=====] - 0s 71ms/step
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>870, dr[0.123,0.687], df[0.147,0.055], g[1.181,0.056]
1/1 [=====] - 0s 77ms/step
>871, dr[0.056,0.384], df[0.050,0.071], g[1.531,0.082]
1/1 [=====] - 0s 71ms/step
>872, dr[0.178,0.951], df[0.117,0.071], g[1.991,0.075]
1/1 [=====] - 0s 114ms/step
>873, dr[0.091,0.645], df[0.089,0.033], g[1.973,0.108]
1/1 [=====] - 0s 70ms/step
>874, dr[0.355,0.775], df[0.271,0.062], g[1.973,0.086]
1/1 [=====] - 0s 92ms/step
>875, dr[0.058,0.517], df[0.110,0.100], g[1.425,0.059]
1/1 [=====] - 0s 88ms/step
>876, dr[0.160,0.588], df[0.174,0.052], g[1.370,0.191]
1/1 [=====] - 0s 120ms/step
>877, dr[0.087,0.843], df[0.186,0.049], g[1.327,0.090]
1/1 [=====] - 0s 101ms/step
>878, dr[0.073,0.927], df[0.093,0.077], g[1.253,0.178]
1/1 [=====] - 0s 77ms/step
>879, dr[0.204,0.624], df[0.101,0.069], g[1.619,0.205]
1/1 [=====] - 0s 77ms/step
>880, dr[0.110,0.340], df[0.275,0.035], g[1.429,0.088]
1/1 [=====] - 0s 69ms/step
>881, dr[0.212,0.370], df[0.303,0.051], g[1.688,0.109]
1/1 [=====] - 0s 80ms/step
>882, dr[0.245,0.930], df[0.141,0.052], g[1.700,0.122]
1/1 [=====] - 0s 70ms/step
>883, dr[0.122,0.269], df[0.163,0.039], g[1.901,0.066]
1/1 [=====] - 0s 68ms/step
>884, dr[0.087,0.447], df[0.119,0.042], g[1.979,0.068]
1/1 [=====] - 0s 77ms/step
>885, dr[0.490,0.598], df[0.165,0.035], g[1.656,0.090]
1/1 [=====] - 0s 71ms/step
>886, dr[0.476,0.251], df[0.143,0.019], g[0.982,0.054]
1/1 [=====] - 0s 74ms/step
>887, dr[0.137,0.622], df[0.200,0.017], g[0.995,0.065]
1/1 [=====] - 0s 69ms/step
>888, dr[0.211,0.715], df[0.703,0.031], g[1.238,0.038]
1/1 [=====] - 0s 81ms/step
>889, dr[0.187,0.557], df[0.493,0.024], g[1.580,0.073]
1/1 [=====] - 0s 68ms/step
>890, dr[0.107,0.958], df[0.390,0.104], g[2.561,0.107]
1/1 [=====] - 0s 72ms/step
>891, dr[0.501,0.313], df[0.023,0.030], g[2.804,0.160]
1/1 [=====] - 0s 70ms/step
>892, dr[0.455,0.818], df[0.121,0.033], g[2.513,0.061]
1/1 [=====] - 0s 76ms/step
>893, dr[0.177,0.611], df[0.159,0.028], g[2.012,0.080]
1/1 [=====] - 0s 73ms/step
>894, dr[0.087,1.006], df[0.119,0.091], g[1.917,0.225]
1/1 [=====] - 0s 79ms/step
>895, dr[0.436,0.868], df[0.198,0.059], g[1.866,0.166]
1/1 [=====] - 0s 67ms/step
>896, dr[0.282,0.434], df[0.481,0.071], g[1.840,0.152]
1/1 [=====] - 0s 81ms/step
>897, dr[0.038,0.660], df[0.473,0.050], g[2.609,0.120]
1/1 [=====] - 0s 177ms/step
>898, dr[0.096,0.781], df[0.138,0.044], g[3.814,0.124]
1/1 [=====] - 0s 79ms/step
>899, dr[0.225,0.741], df[0.038,0.051], g[4.776,0.071]
1/1 [=====] - 0s 83ms/step
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>900, dr[0.685,0.866], df[0.021,0.062], g[4.450,0.137]
1/1 [=====] - 0s 76ms/step
>901, dr[0.083,0.440], df[0.114,0.066], g[3.850,0.073]
1/1 [=====] - 0s 68ms/step
>902, dr[0.824,0.667], df[0.168,0.094], g[2.713,0.086]
1/1 [=====] - 0s 75ms/step
>903, dr[0.145,0.667], df[0.117,0.122], g[2.961,0.158]
1/1 [=====] - 0s 74ms/step
>904, dr[0.089,0.214], df[0.266,0.079], g[3.187,0.107]
1/1 [=====] - 0s 75ms/step
>905, dr[0.025,0.771], df[0.369,0.170], g[4.711,0.118]
1/1 [=====] - 0s 68ms/step
>906, dr[0.037,0.742], df[0.021,0.244], g[5.969,0.186]
1/1 [=====] - 0s 74ms/step
>907, dr[0.368,0.868], df[0.025,0.324], g[6.285,0.131]
1/1 [=====] - 0s 68ms/step
>908, dr[0.253,0.492], df[0.006,0.211], g[6.295,0.132]
1/1 [=====] - 0s 88ms/step
>909, dr[0.116,0.494], df[0.012,0.259], g[4.934,0.104]
1/1 [=====] - 0s 79ms/step
>910, dr[0.050,1.069], df[0.008,0.175], g[4.666,0.195]
1/1 [=====] - 0s 78ms/step
>911, dr[0.120,1.066], df[0.115,0.266], g[4.475,0.129]
1/1 [=====] - 0s 94ms/step
>912, dr[0.010,0.869], df[0.080,0.346], g[4.080,0.149]
1/1 [=====] - 0s 71ms/step
>913, dr[0.039,0.377], df[0.174,0.209], g[3.922,0.166]
1/1 [=====] - 0s 76ms/step
>914, dr[0.030,0.821], df[0.346,0.211], g[3.964,0.170]
1/1 [=====] - 0s 66ms/step
>915, dr[0.021,1.157], df[0.062,0.159], g[4.809,0.134]
1/1 [=====] - 0s 72ms/step
>916, dr[0.054,0.662], df[0.013,0.272], g[5.035,0.122]
1/1 [=====] - 0s 69ms/step
>917, dr[0.025,0.485], df[0.032,0.177], g[4.979,0.286]
1/1 [=====] - 0s 72ms/step
>918, dr[0.043,1.107], df[0.007,0.377], g[4.059,0.146]
1/1 [=====] - 0s 71ms/step
>919, dr[0.014,0.529], df[0.001,0.224], g[4.387,0.136]
1/1 [=====] - 0s 67ms/step
>920, dr[0.115,1.114], df[0.029,0.239], g[3.108,0.254]
1/1 [=====] - 0s 84ms/step
>921, dr[0.050,0.393], df[0.034,0.283], g[2.739,0.165]
1/1 [=====] - 0s 75ms/step
>922, dr[0.094,0.884], df[0.112,0.144], g[2.457,0.175]
1/1 [=====] - 0s 73ms/step
>923, dr[0.142,0.800], df[0.029,0.215], g[1.586,0.242]
1/1 [=====] - 0s 72ms/step
>924, dr[0.076,0.540], df[0.078,0.095], g[1.082,0.242]
1/1 [=====] - 0s 69ms/step
>925, dr[0.163,0.876], df[0.401,0.208], g[1.141,0.285]
1/1 [=====] - 0s 72ms/step
>926, dr[0.027,0.703], df[0.097,0.148], g[1.328,0.197]
1/1 [=====] - 0s 235ms/step
>927, dr[0.063,0.813], df[0.275,0.113], g[1.932,0.109]
1/1 [=====] - 0s 93ms/step
>928, dr[0.185,0.705], df[0.041,0.163], g[1.705,0.097]
1/1 [=====] - 0s 75ms/step
>929, dr[0.105,0.783], df[0.005,0.085], g[1.664,0.052]
1/1 [=====] - 0s 88ms/step
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>930, dr[0.067,1.482], df[0.025,0.094], g[2.041,0.055]
1/1 [=====] - 0s 69ms/step
>931, dr[0.218,0.267], df[0.057,0.067], g[1.314,0.040]
1/1 [=====] - 0s 79ms/step
>932, dr[0.189,0.593], df[0.287,0.075], g[1.076,0.037]
1/1 [=====] - 0s 66ms/step
>933, dr[0.132,0.523], df[0.308,0.071], g[1.143,0.054]
1/1 [=====] - 0s 79ms/step
>934, dr[0.255,0.745], df[0.095,0.041], g[1.197,0.034]
1/1 [=====] - 0s 65ms/step
>935, dr[0.074,0.366], df[0.100,0.037], g[0.810,0.034]
1/1 [=====] - 0s 80ms/step
>936, dr[0.173,0.482], df[0.092,0.031], g[0.896,0.024]
1/1 [=====] - 0s 71ms/step
>937, dr[0.201,0.557], df[0.174,0.020], g[1.037,0.033]
4/4 [=====] - 0s 39ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 75ms/step
>938, dr[0.175,0.765], df[0.234,0.086], g[0.683,0.067]
1/1 [=====] - 0s 88ms/step
>939, dr[0.180,1.124], df[0.180,0.134], g[0.495,0.039]
1/1 [=====] - 0s 87ms/step
>940, dr[0.104,0.952], df[0.427,0.097], g[0.501,0.050]
1/1 [=====] - 0s 73ms/step
>941, dr[0.058,0.372], df[0.710,0.014], g[0.513,0.080]
1/1 [=====] - 0s 78ms/step
>942, dr[0.061,0.633], df[0.365,0.044], g[1.030,0.029]
1/1 [=====] - 0s 72ms/step
>943, dr[0.244,0.505], df[0.679,0.029], g[1.477,0.066]
1/1 [=====] - 0s 74ms/step
>944, dr[0.634,0.646], df[0.309,0.024], g[1.733,0.045]
1/1 [=====] - 0s 94ms/step
>945, dr[1.687,0.750], df[0.406,0.012], g[1.271,0.065]
1/1 [=====] - 0s 92ms/step
>946, dr[0.475,0.617], df[0.718,0.059], g[1.082,0.035]
1/1 [=====] - 0s 81ms/step
>947, dr[0.222,0.714], df[0.853,0.028], g[1.612,0.052]
1/1 [=====] - 0s 71ms/step
>948, dr[0.335,0.942], df[0.372,0.024], g[2.519,0.071]
1/1 [=====] - 0s 70ms/step
>949, dr[0.140,0.559], df[0.146,0.038], g[3.155,0.104]
1/1 [=====] - 0s 67ms/step
>950, dr[0.061,0.814], df[0.120,0.041], g[4.402,0.075]
1/1 [=====] - 0s 71ms/step
>951, dr[0.169,0.854], df[0.121,0.029], g[4.285,0.035]
1/1 [=====] - 0s 69ms/step
>952, dr[0.075,0.666], df[0.053,0.109], g[3.949,0.061]
1/1 [=====] - 0s 68ms/step
>953, dr[0.042,0.982], df[0.065,0.067], g[3.955,0.053]
1/1 [=====] - 0s 75ms/step
>954, dr[0.111,0.696], df[0.091,0.018], g[3.506,0.031]
1/1 [=====] - 0s 70ms/step
>955, dr[0.122,0.695], df[0.320,0.023], g[2.442,0.087]
1/1 [=====] - 0s 84ms/step
>956, dr[0.141,0.525], df[0.434,0.137], g[2.394,0.044]
1/1 [=====] - 0s 95ms/step
>957, dr[0.099,0.318], df[0.738,0.010], g[2.020,0.109]
1/1 [=====] - 0s 76ms/step
```

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>958, dr[0.223,0.579], df[0.209,0.035], g[2.411,0.065]
1/1 [=====] - 0s 70ms/step
>959, dr[0.236,1.014], df[0.083,0.050], g[2.406,0.186]
1/1 [=====] - 0s 76ms/step
>960, dr[0.303,1.255], df[0.083,0.037], g[2.924,0.191]
1/1 [=====] - 0s 88ms/step
>961, dr[0.621,0.826], df[0.039,0.114], g[2.235,0.147]
1/1 [=====] - 0s 100ms/step
>962, dr[0.320,0.755], df[0.119,0.272], g[1.637,0.313]
1/1 [=====] - 0s 88ms/step
>963, dr[0.192,0.461], df[0.061,0.263], g[1.552,0.289]
1/1 [=====] - 0s 105ms/step
>964, dr[0.127,0.874], df[0.186,0.149], g[1.358,0.276]
1/1 [=====] - 0s 69ms/step
>965, dr[0.127,0.667], df[0.209,0.211], g[1.516,0.081]
1/1 [=====] - 0s 72ms/step
>966, dr[0.161,0.675], df[0.028,0.176], g[1.496,0.092]
1/1 [=====] - 0s 66ms/step
>967, dr[0.075,0.400], df[0.010,0.110], g[1.391,0.147]
1/1 [=====] - 0s 72ms/step
>968, dr[0.303,0.441], df[0.106,0.150], g[1.564,0.129]
1/1 [=====] - 0s 78ms/step
>969, dr[0.152,1.090], df[0.009,0.238], g[1.127,0.098]
1/1 [=====] - 0s 73ms/step
>970, dr[0.048,0.721], df[0.046,0.203], g[1.411,0.121]
1/1 [=====] - 0s 119ms/step
>971, dr[0.106,1.141], df[0.179,0.100], g[1.247,0.094]
1/1 [=====] - 0s 89ms/step
>972, dr[0.065,0.577], df[0.073,0.084], g[1.040,0.071]
1/1 [=====] - 0s 78ms/step
>973, dr[0.116,0.386], df[0.046,0.072], g[0.713,0.121]
1/1 [=====] - 0s 72ms/step
>974, dr[0.085,0.518], df[0.051,0.093], g[0.869,0.121]
1/1 [=====] - 0s 74ms/step
>975, dr[0.037,0.932], df[0.075,0.060], g[0.523,0.077]
1/1 [=====] - 0s 72ms/step
>976, dr[0.048,0.673], df[0.014,0.047], g[0.411,0.103]
1/1 [=====] - 0s 82ms/step
>977, dr[0.092,0.380], df[0.103,0.023], g[0.408,0.071]
1/1 [=====] - 0s 84ms/step
>978, dr[0.045,0.626], df[0.068,0.057], g[0.302,0.046]
1/1 [=====] - 0s 67ms/step
>979, dr[0.034,0.990], df[0.207,0.026], g[0.375,0.063]
1/1 [=====] - 0s 89ms/step
>980, dr[0.104,1.086], df[0.041,0.022], g[0.211,0.035]
1/1 [=====] - 0s 76ms/step
>981, dr[0.114,0.569], df[0.129,0.018], g[0.258,0.045]
1/1 [=====] - 0s 79ms/step
>982, dr[0.083,0.857], df[0.252,0.071], g[0.122,0.073]
1/1 [=====] - 0s 72ms/step
>983, dr[0.047,0.797], df[0.152,0.055], g[0.292,0.047]
1/1 [=====] - 0s 70ms/step
>984, dr[0.077,0.730], df[0.389,0.033], g[0.149,0.100]
1/1 [=====] - 0s 83ms/step
>985, dr[0.151,1.154], df[0.129,0.039], g[0.297,0.064]
1/1 [=====] - 0s 78ms/step
>986, dr[0.916,0.909], df[0.160,0.032], g[0.181,0.107]
1/1 [=====] - 0s 72ms/step
>987, dr[0.179,0.941], df[0.285,0.040], g[0.244,0.108]
1/1 [=====] - 0s 66ms/step
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>988, dr[0.536,0.548], df[0.291,0.065], g[0.218,0.092]
1/1 [=====] - 0s 73ms/step
>989, dr[0.419,0.453], df[0.628,0.046], g[0.103,0.081]
1/1 [=====] - 0s 68ms/step
>990, dr[0.330,0.961], df[0.648,0.041], g[0.066,0.057]
1/1 [=====] - 0s 74ms/step
>991, dr[0.423,0.958], df[1.006,0.025], g[0.212,0.096]
1/1 [=====] - 0s 68ms/step
>992, dr[0.274,0.699], df[0.400,0.041], g[0.355,0.100]
1/1 [=====] - 0s 74ms/step
>993, dr[0.976,1.166], df[0.824,0.028], g[0.452,0.032]
1/1 [=====] - 0s 67ms/step
>994, dr[0.977,0.739], df[0.507,0.039], g[0.499,0.104]
1/1 [=====] - 0s 74ms/step
>995, dr[0.489,1.026], df[0.489,0.019], g[0.571,0.069]
1/1 [=====] - 0s 69ms/step
>996, dr[0.871,0.463], df[0.659,0.024], g[0.560,0.139]
1/1 [=====] - 0s 73ms/step
>997, dr[0.358,0.794], df[0.840,0.041], g[0.947,0.071]
1/1 [=====] - 0s 67ms/step
>998, dr[0.589,0.462], df[0.319,0.063], g[0.800,0.140]
1/1 [=====] - 0s 74ms/step
>999, dr[0.559,0.720], df[0.705,0.014], g[0.996,0.159]
1/1 [=====] - 0s 69ms/step
>1000, dr[0.808,1.109], df[0.607,0.035], g[1.585,0.104]
1/1 [=====] - 0s 68ms/step
>1001, dr[0.933,1.278], df[0.968,0.035], g[1.986,0.058]
1/1 [=====] - 0s 75ms/step
>1002, dr[0.346,0.874], df[0.759,0.021], g[2.525,0.040]
1/1 [=====] - 0s 72ms/step
>1003, dr[0.266,0.579], df[0.634,0.050], g[2.932,0.054]
1/1 [=====] - 0s 67ms/step
>1004, dr[0.253,0.634], df[0.479,0.032], g[3.879,0.043]
1/1 [=====] - 0s 69ms/step
>1005, dr[0.657,0.825], df[0.191,0.028], g[4.388,0.079]
1/1 [=====] - 0s 67ms/step
>1006, dr[0.894,0.483], df[0.302,0.051], g[3.746,0.056]
1/1 [=====] - 0s 66ms/step
>1007, dr[0.384,1.064], df[0.184,0.065], g[3.493,0.045]
1/1 [=====] - 0s 70ms/step
>1008, dr[0.431,0.710], df[0.294,0.019], g[2.870,0.030]
1/1 [=====] - 0s 69ms/step
>1009, dr[0.231,1.949], df[0.418,0.023], g[2.718,0.037]
1/1 [=====] - 0s 67ms/step
>1010, dr[0.282,0.539], df[0.359,0.056], g[2.225,0.077]
1/1 [=====] - 0s 70ms/step
>1011, dr[0.294,0.432], df[0.390,0.053], g[2.628,0.049]
1/1 [=====] - 0s 69ms/step
>1012, dr[0.706,0.337], df[0.421,0.053], g[2.426,0.107]
1/1 [=====] - 0s 67ms/step
>1013, dr[0.856,0.368], df[0.403,0.095], g[2.722,0.161]
1/1 [=====] - 0s 71ms/step
>1014, dr[0.174,0.367], df[0.173,0.088], g[2.354,0.074]
1/1 [=====] - 0s 66ms/step
>1015, dr[0.520,0.460], df[0.136,0.210], g[2.397,0.135]
1/1 [=====] - 0s 72ms/step
>1016, dr[0.254,0.506], df[0.245,0.097], g[2.445,0.094]
1/1 [=====] - 0s 73ms/step
>1017, dr[0.208,0.566], df[0.210,0.112], g[2.579,0.101]
1/1 [=====] - 0s 79ms/step
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>1018, dr[0.176,0.844], df[0.048,0.066], g[2.094,0.058]
1/1 [=====] - 0s 68ms/step
>1019, dr[0.692,0.810], df[0.090,0.087], g[2.062,0.092]
1/1 [=====] - 0s 82ms/step
>1020, dr[0.244,0.402], df[0.081,0.072], g[1.254,0.102]
1/1 [=====] - 0s 67ms/step
>1021, dr[0.232,0.661], df[0.138,0.123], g[1.013,0.051]
1/1 [=====] - 0s 88ms/step
>1022, dr[0.145,0.974], df[0.620,0.054], g[1.061,0.067]
1/1 [=====] - 0s 68ms/step
>1023, dr[0.250,0.690], df[0.255,0.039], g[1.543,0.116]
1/1 [=====] - 0s 76ms/step
>1024, dr[0.127,0.725], df[0.348,0.031], g[1.467,0.083]
1/1 [=====] - 0s 67ms/step
>1025, dr[0.253,0.814], df[0.061,0.044], g[1.965,0.079]
1/1 [=====] - 0s 73ms/step
>1026, dr[0.351,0.491], df[0.137,0.048], g[1.649,0.040]
1/1 [=====] - 0s 79ms/step
>1027, dr[0.072,0.566], df[0.235,0.060], g[1.715,0.041]
1/1 [=====] - 0s 70ms/step
>1028, dr[0.098,0.444], df[0.045,0.019], g[1.315,0.117]
1/1 [=====] - 0s 72ms/step
>1029, dr[0.146,0.398], df[0.085,0.034], g[1.167,0.074]
1/1 [=====] - 0s 68ms/step
>1030, dr[0.562,1.067], df[0.695,0.059], g[1.424,0.082]
1/1 [=====] - 0s 67ms/step
>1031, dr[0.569,0.818], df[0.412,0.059], g[1.533,0.047]
1/1 [=====] - 0s 74ms/step
>1032, dr[0.370,0.615], df[0.547,0.062], g[1.421,0.072]
1/1 [=====] - 0s 66ms/step
>1033, dr[0.127,0.404], df[0.626,0.040], g[1.731,0.080]
1/1 [=====] - 0s 69ms/step
>1034, dr[0.530,0.575], df[0.473,0.035], g[1.918,0.066]
1/1 [=====] - 0s 66ms/step
>1035, dr[0.413,0.628], df[0.359,0.106], g[1.616,0.071]
1/1 [=====] - 0s 69ms/step
>1036, dr[1.260,0.871], df[0.569,0.110], g[1.947,0.079]
1/1 [=====] - 0s 67ms/step
>1037, dr[0.317,1.136], df[0.546,0.065], g[1.965,0.052]
1/1 [=====] - 0s 70ms/step
>1038, dr[0.578,0.313], df[0.892,0.079], g[1.468,0.097]
1/1 [=====] - 0s 65ms/step
>1039, dr[0.461,0.652], df[0.748,0.031], g[1.967,0.082]
1/1 [=====] - 0s 70ms/step
>1040, dr[0.511,0.584], df[0.462,0.041], g[1.927,0.118]
1/1 [=====] - 0s 65ms/step
>1041, dr[0.692,0.592], df[0.316,0.062], g[2.052,0.148]
1/1 [=====] - 0s 75ms/step
>1042, dr[0.483,0.875], df[0.474,0.252], g[2.458,0.074]
1/1 [=====] - 0s 67ms/step
>1043, dr[0.569,0.811], df[0.289,0.121], g[2.499,0.049]
1/1 [=====] - 0s 71ms/step
>1044, dr[0.507,0.483], df[0.316,0.266], g[2.012,0.089]
1/1 [=====] - 0s 75ms/step
>1045, dr[0.734,0.619], df[0.449,0.299], g[2.372,0.119]
1/1 [=====] - 0s 74ms/step
>1046, dr[0.062,0.827], df[0.551,0.052], g[2.561,0.041]
1/1 [=====] - 0s 72ms/step
>1047, dr[0.119,0.529], df[0.273,0.126], g[2.677,0.064]
1/1 [=====] - 0s 78ms/step
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>1048, dr[0.148,0.510], df[0.087,0.143], g[3.155,0.097]
1/1 [=====] - 0s 70ms/step
>1049, dr[0.460,0.856], df[0.039,0.150], g[3.078,0.105]
1/1 [=====] - 0s 72ms/step
>1050, dr[0.122,0.805], df[0.135,0.106], g[3.087,0.096]
1/1 [=====] - 0s 73ms/step
>1051, dr[0.086,0.544], df[0.158,0.193], g[2.656,0.033]
1/1 [=====] - 0s 80ms/step
>1052, dr[0.103,0.803], df[0.347,0.083], g[2.301,0.043]
1/1 [=====] - 0s 79ms/step
>1053, dr[0.155,0.706], df[0.463,0.118], g[2.126,0.062]
1/1 [=====] - 0s 75ms/step
>1054, dr[0.065,1.046], df[0.366,0.054], g[2.972,0.072]
1/1 [=====] - 0s 70ms/step
>1055, dr[0.150,0.428], df[0.110,0.038], g[3.283,0.041]
1/1 [=====] - 0s 77ms/step
>1056, dr[0.211,0.635], df[0.419,0.041], g[3.550,0.045]
1/1 [=====] - 0s 74ms/step
>1057, dr[0.677,0.973], df[0.263,0.069], g[4.676,0.103]
1/1 [=====] - 0s 72ms/step
>1058, dr[0.671,0.451], df[0.219,0.026], g[3.454,0.102]
1/1 [=====] - 0s 67ms/step
>1059, dr[0.307,0.649], df[0.143,0.119], g[3.443,0.057]
1/1 [=====] - 0s 67ms/step
>1060, dr[0.435,0.923], df[0.288,0.079], g[3.570,0.075]
1/1 [=====] - 0s 67ms/step
>1061, dr[0.536,1.082], df[0.119,0.090], g[2.990,0.074]
1/1 [=====] - 0s 73ms/step
>1062, dr[0.257,0.803], df[0.070,0.199], g[3.285,0.067]
1/1 [=====] - 0s 86ms/step
>1063, dr[0.208,0.283], df[0.361,0.128], g[2.529,0.060]
1/1 [=====] - 0s 71ms/step
>1064, dr[0.051,0.374], df[0.177,0.121], g[3.075,0.132]
1/1 [=====] - 0s 73ms/step
>1065, dr[0.048,0.430], df[0.165,0.062], g[3.081,0.126]
1/1 [=====] - 0s 83ms/step
>1066, dr[0.125,0.213], df[0.194,0.088], g[4.053,0.076]
1/1 [=====] - 0s 84ms/step
>1067, dr[0.140,0.534], df[0.040,0.043], g[4.711,0.127]
1/1 [=====] - 0s 110ms/step
>1068, dr[0.202,0.459], df[0.039,0.085], g[4.782,0.133]
1/1 [=====] - 0s 85ms/step
>1069, dr[0.111,0.856], df[0.013,0.121], g[4.167,0.077]
1/1 [=====] - 0s 74ms/step
>1070, dr[0.137,1.173], df[0.118,0.074], g[4.004,0.104]
1/1 [=====] - 0s 78ms/step
>1071, dr[0.085,0.859], df[0.024,0.079], g[3.356,0.083]
1/1 [=====] - 0s 71ms/step
>1072, dr[0.101,0.782], df[0.140,0.111], g[3.234,0.038]
1/1 [=====] - 0s 76ms/step
>1073, dr[0.036,0.465], df[0.136,0.074], g[2.435,0.040]
1/1 [=====] - 0s 73ms/step
>1074, dr[0.125,1.019], df[0.219,0.065], g[2.239,0.083]
1/1 [=====] - 0s 79ms/step
>1075, dr[0.038,0.442], df[0.424,0.058], g[2.793,0.077]
1/1 [=====] - 0s 79ms/step
>1076, dr[0.240,0.687], df[0.343,0.060], g[3.275,0.078]
1/1 [=====] - 0s 72ms/step
>1077, dr[0.134,0.534], df[0.153,0.064], g[3.747,0.086]
1/1 [=====] - 0s 74ms/step
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>1078, dr[0.534,0.330], df[0.115,0.124], g[3.633,0.065]
1/1 [=====] - 0s 74ms/step
>1079, dr[0.322,0.804], df[0.071,0.212], g[3.141,0.086]
1/1 [=====] - 0s 84ms/step
>1080, dr[0.083,0.666], df[0.419,0.192], g[3.414,0.054]
1/1 [=====] - 0s 77ms/step
>1081, dr[0.114,0.721], df[0.310,0.135], g[2.930,0.051]
1/1 [=====] - 0s 88ms/step
>1082, dr[0.346,0.374], df[0.419,0.066], g[3.235,0.127]
1/1 [=====] - 0s 76ms/step
>1083, dr[0.277,0.709], df[0.378,0.062], g[2.774,0.040]
1/1 [=====] - 0s 85ms/step
>1084, dr[0.274,0.748], df[0.494,0.060], g[2.664,0.080]
1/1 [=====] - 0s 90ms/step
>1085, dr[0.225,0.885], df[0.221,0.143], g[2.650,0.103]
1/1 [=====] - 0s 89ms/step
>1086, dr[0.082,0.451], df[0.136,0.107], g[2.647,0.043]
1/1 [=====] - 0s 93ms/step
>1087, dr[0.179,0.548], df[0.198,0.093], g[2.254,0.077]
1/1 [=====] - 0s 90ms/step
>1088, dr[0.196,0.907], df[0.106,0.110], g[2.023,0.065]
1/1 [=====] - 0s 86ms/step
>1089, dr[0.156,0.253], df[0.035,0.098], g[1.853,0.165]
1/1 [=====] - 0s 82ms/step
>1090, dr[0.062,0.676], df[0.119,0.082], g[2.221,0.084]
1/1 [=====] - 0s 74ms/step
>1091, dr[0.051,0.796], df[0.045,0.155], g[1.781,0.043]
1/1 [=====] - 0s 83ms/step
>1092, dr[0.022,0.523], df[0.064,0.165], g[1.708,0.042]
1/1 [=====] - 0s 76ms/step
>1093, dr[0.036,0.754], df[0.047,0.204], g[1.634,0.027]
1/1 [=====] - 0s 87ms/step
>1094, dr[0.037,1.010], df[0.194,0.049], g[1.089,0.076]
1/1 [=====] - 0s 92ms/step
>1095, dr[0.015,0.796], df[0.083,0.049], g[0.991,0.059]
1/1 [=====] - 0s 96ms/step
>1096, dr[0.029,0.628], df[0.067,0.036], g[1.093,0.091]
1/1 [=====] - 0s 75ms/step
>1097, dr[0.045,1.044], df[0.183,0.020], g[0.973,0.058]
1/1 [=====] - 0s 74ms/step
>1098, dr[0.029,0.313], df[0.209,0.018], g[0.905,0.045]
1/1 [=====] - 0s 76ms/step
>1099, dr[0.068,0.786], df[0.056,0.027], g[0.840,0.078]
1/1 [=====] - 0s 84ms/step
>1100, dr[0.081,0.515], df[0.161,0.056], g[0.516,0.103]
1/1 [=====] - 0s 72ms/step
>1101, dr[0.172,0.595], df[0.339,0.035], g[0.579,0.016]
1/1 [=====] - 0s 81ms/step
>1102, dr[0.067,1.270], df[0.616,0.041], g[0.883,0.082]
1/1 [=====] - 0s 78ms/step
>1103, dr[0.115,0.754], df[0.411,0.051], g[1.347,0.107]
1/1 [=====] - 0s 82ms/step
>1104, dr[0.307,0.543], df[0.553,0.038], g[1.833,0.053]
1/1 [=====] - 0s 76ms/step
>1105, dr[0.600,0.264], df[0.150,0.135], g[1.434,0.078]
1/1 [=====] - 0s 86ms/step
>1106, dr[1.192,1.010], df[0.684,0.091], g[1.597,0.060]
1/1 [=====] - 0s 80ms/step
>1107, dr[0.170,0.906], df[0.499,0.173], g[1.488,0.076]
1/1 [=====] - 0s 73ms/step
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>1108, dr[0.260,0.764], df[0.211,0.014], g[1.667,0.044]
1/1 [=====] - 0s 92ms/step
>1109, dr[0.864,0.570], df[0.350,0.055], g[1.791,0.026]
1/1 [=====] - 0s 76ms/step
>1110, dr[0.573,0.492], df[0.669,0.042], g[1.417,0.048]
1/1 [=====] - 0s 75ms/step
>1111, dr[0.211,0.577], df[0.650,0.067], g[1.968,0.035]
1/1 [=====] - 0s 72ms/step
>1112, dr[0.135,0.784], df[0.201,0.119], g[2.391,0.018]
1/1 [=====] - 0s 74ms/step
>1113, dr[0.432,0.618], df[0.294,0.047], g[3.628,0.029]
1/1 [=====] - 0s 75ms/step
>1114, dr[0.417,0.445], df[0.056,0.022], g[3.280,0.060]
1/1 [=====] - 0s 79ms/step
>1115, dr[0.689,0.720], df[0.295,0.038], g[2.862,0.034]
1/1 [=====] - 0s 81ms/step
>1116, dr[0.531,0.658], df[0.192,0.043], g[2.852,0.033]
1/1 [=====] - 0s 77ms/step
>1117, dr[0.233,0.911], df[0.547,0.058], g[2.085,0.046]
1/1 [=====] - 0s 79ms/step
>1118, dr[0.207,0.532], df[0.309,0.047], g[1.907,0.043]
1/1 [=====] - 0s 72ms/step
>1119, dr[0.174,0.690], df[0.522,0.019], g[2.834,0.038]
1/1 [=====] - 0s 71ms/step
>1120, dr[0.417,0.330], df[0.292,0.026], g[3.127,0.030]
1/1 [=====] - 0s 82ms/step
>1121, dr[0.069,0.734], df[0.208,0.046], g[3.576,0.030]
1/1 [=====] - 0s 75ms/step
>1122, dr[0.169,0.228], df[0.300,0.097], g[3.961,0.044]
1/1 [=====] - 0s 76ms/step
>1123, dr[0.145,0.631], df[0.097,0.146], g[3.930,0.018]
1/1 [=====] - 0s 71ms/step
>1124, dr[0.307,0.445], df[0.183,0.080], g[3.207,0.050]
1/1 [=====] - 0s 68ms/step
>1125, dr[0.445,0.619], df[0.140,0.022], g[2.731,0.028]
1/1 [=====] - 0s 76ms/step
>1126, dr[0.270,0.446], df[0.249,0.063], g[2.752,0.046]
1/1 [=====] - 0s 70ms/step
>1127, dr[0.210,0.816], df[0.410,0.026], g[2.393,0.045]
1/1 [=====] - 0s 77ms/step
>1128, dr[0.347,1.151], df[0.268,0.038], g[1.912,0.047]
1/1 [=====] - 0s 107ms/step
>1129, dr[0.382,0.499], df[0.289,0.051], g[2.198,0.035]
1/1 [=====] - 0s 83ms/step
>1130, dr[0.434,0.636], df[0.683,0.029], g[1.944,0.028]
1/1 [=====] - 0s 77ms/step
>1131, dr[0.122,0.662], df[0.274,0.021], g[1.963,0.022]
1/1 [=====] - 0s 69ms/step
>1132, dr[0.578,0.530], df[0.184,0.046], g[2.098,0.027]
1/1 [=====] - 0s 86ms/step
>1133, dr[0.099,0.441], df[0.134,0.079], g[2.005,0.025]
1/1 [=====] - 0s 85ms/step
>1134, dr[0.146,1.106], df[0.066,0.034], g[1.971,0.018]
1/1 [=====] - 0s 115ms/step
>1135, dr[0.154,0.628], df[0.068,0.045], g[2.026,0.035]
1/1 [=====] - 0s 270ms/step
>1136, dr[0.103,0.714], df[0.318,0.046], g[1.644,0.021]
1/1 [=====] - 0s 79ms/step
>1137, dr[0.081,0.611], df[0.609,0.075], g[1.825,0.033]
1/1 [=====] - 0s 70ms/step
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>1138, dr[0.084,0.522], df[0.294,0.049], g[1.843,0.053]
1/1 [=====] - 0s 66ms/step
>1139, dr[0.097,0.591], df[0.283,0.010], g[2.146,0.019]
1/1 [=====] - 0s 66ms/step
>1140, dr[0.120,0.867], df[0.347,0.009], g[2.391,0.018]
1/1 [=====] - 0s 71ms/step
>1141, dr[0.204,0.301], df[0.104,0.037], g[2.414,0.016]
1/1 [=====] - 0s 74ms/step
>1142, dr[0.283,0.686], df[0.360,0.041], g[2.362,0.035]
1/1 [=====] - 0s 66ms/step
>1143, dr[0.554,0.796], df[0.252,0.030], g[2.325,0.031]
1/1 [=====] - 0s 75ms/step
>1144, dr[0.491,0.748], df[0.275,0.036], g[2.740,0.015]
1/1 [=====] - 0s 65ms/step
>1145, dr[0.331,0.750], df[0.335,0.045], g[2.097,0.026]
1/1 [=====] - 0s 74ms/step
>1146, dr[0.584,1.238], df[0.247,0.019], g[1.980,0.010]
1/1 [=====] - 0s 66ms/step
>1147, dr[0.638,0.662], df[0.237,0.013], g[1.941,0.060]
1/1 [=====] - 0s 85ms/step
>1148, dr[0.387,0.832], df[0.308,0.041], g[2.356,0.072]
1/1 [=====] - 0s 66ms/step
>1149, dr[0.441,0.616], df[0.135,0.048], g[2.258,0.040]
1/1 [=====] - 0s 74ms/step
>1150, dr[0.291,0.442], df[0.160,0.079], g[2.521,0.111]
1/1 [=====] - 0s 70ms/step
>1151, dr[0.153,0.521], df[0.085,0.076], g[2.685,0.053]
1/1 [=====] - 0s 69ms/step
>1152, dr[0.134,0.381], df[0.040,0.090], g[2.426,0.091]
1/1 [=====] - 0s 68ms/step
>1153, dr[0.275,0.786], df[0.046,0.066], g[2.478,0.048]
1/1 [=====] - 0s 70ms/step
>1154, dr[0.146,0.620], df[0.079,0.101], g[2.555,0.093]
1/1 [=====] - 0s 66ms/step
>1155, dr[0.243,0.503], df[0.091,0.076], g[2.057,0.048]
1/1 [=====] - 0s 82ms/step
>1156, dr[0.182,0.582], df[0.155,0.064], g[1.959,0.079]
1/1 [=====] - 0s 68ms/step
>1157, dr[0.255,1.242], df[0.340,0.102], g[1.474,0.041]
1/1 [=====] - 0s 74ms/step
>1158, dr[0.194,0.806], df[0.357,0.036], g[1.946,0.057]
1/1 [=====] - 0s 66ms/step
>1159, dr[0.142,0.357], df[0.093,0.050], g[2.045,0.104]
1/1 [=====] - 0s 76ms/step
>1160, dr[0.060,0.545], df[0.074,0.074], g[2.118,0.061]
1/1 [=====] - 0s 92ms/step
>1161, dr[0.195,0.247], df[0.128,0.057], g[2.359,0.055]
1/1 [=====] - 0s 112ms/step
>1162, dr[0.331,1.242], df[0.184,0.053], g[1.854,0.046]
1/1 [=====] - 0s 77ms/step
>1163, dr[0.277,0.433], df[0.137,0.050], g[1.894,0.039]
1/1 [=====] - 0s 75ms/step
>1164, dr[0.169,0.492], df[0.221,0.042], g[1.425,0.035]
1/1 [=====] - 0s 75ms/step
>1165, dr[0.286,0.253], df[0.336,0.045], g[1.766,0.042]
1/1 [=====] - 0s 71ms/step
>1166, dr[0.149,1.215], df[1.125,0.172], g[1.482,0.031]
1/1 [=====] - 0s 76ms/step
>1167, dr[0.323,0.527], df[0.445,0.025], g[2.198,0.034]
1/1 [=====] - 0s 76ms/step
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>1168, dr[1.132,0.547], df[0.140,0.040], g[2.092,0.033]
1/1 [=====] - 0s 66ms/step
>1169, dr[0.959,0.887], df[0.228,0.090], g[1.821,0.048]
1/1 [=====] - 0s 70ms/step
>1170, dr[0.527,0.824], df[0.928,0.031], g[1.650,0.022]
1/1 [=====] - 0s 67ms/step
>1171, dr[0.190,0.576], df[0.797,0.076], g[1.533,0.025]
1/1 [=====] - 0s 69ms/step
>1172, dr[0.328,1.615], df[0.380,0.032], g[2.180,0.040]
1/1 [=====] - 0s 66ms/step
>1173, dr[0.333,1.140], df[0.284,0.037], g[2.338,0.033]
1/1 [=====] - 0s 78ms/step
>1174, dr[0.247,0.658], df[0.276,0.019], g[2.658,0.078]
1/1 [=====] - 0s 69ms/step
>1175, dr[0.474,0.767], df[0.280,0.033], g[2.849,0.052]
1/1 [=====] - 0s 67ms/step
>1176, dr[0.399,1.233], df[0.262,0.061], g[2.816,0.084]
1/1 [=====] - 0s 66ms/step
>1177, dr[0.416,0.420], df[0.274,0.054], g[2.826,0.077]
1/1 [=====] - 0s 71ms/step
>1178, dr[0.274,0.373], df[0.417,0.041], g[2.289,0.105]
1/1 [=====] - 0s 66ms/step
>1179, dr[0.293,0.358], df[0.444,0.026], g[2.390,0.177]
1/1 [=====] - 0s 66ms/step
>1180, dr[0.265,0.633], df[0.412,0.039], g[2.434,0.068]
1/1 [=====] - 0s 69ms/step
>1181, dr[0.316,1.309], df[0.274,0.207], g[2.268,0.073]
1/1 [=====] - 0s 82ms/step
>1182, dr[0.606,0.938], df[0.247,0.137], g[2.632,0.169]
1/1 [=====] - 0s 79ms/step
>1183, dr[0.381,0.895], df[0.198,0.137], g[2.134,0.089]
1/1 [=====] - 0s 67ms/step
>1184, dr[0.481,0.516], df[0.350,0.049], g[1.715,0.128]
1/1 [=====] - 0s 72ms/step
>1185, dr[0.336,0.738], df[0.168,0.061], g[1.850,0.100]
1/1 [=====] - 0s 85ms/step
>1186, dr[0.163,0.719], df[0.188,0.111], g[1.784,0.151]
1/1 [=====] - 0s 93ms/step
>1187, dr[0.222,1.089], df[0.332,0.217], g[1.483,0.184]
1/1 [=====] - 0s 73ms/step
>1188, dr[0.184,0.707], df[0.183,0.130], g[1.502,0.105]
1/1 [=====] - 0s 69ms/step
>1189, dr[0.219,0.751], df[0.068,0.133], g[1.934,0.161]
1/1 [=====] - 0s 80ms/step
>1190, dr[0.187,0.610], df[0.125,0.123], g[1.728,0.067]
1/1 [=====] - 0s 73ms/step
>1191, dr[0.321,0.543], df[0.265,0.055], g[1.700,0.198]
1/1 [=====] - 0s 74ms/step
>1192, dr[0.168,0.854], df[0.100,0.062], g[1.451,0.117]
1/1 [=====] - 0s 70ms/step
>1193, dr[0.061,0.719], df[0.113,0.174], g[1.456,0.109]
1/1 [=====] - 0s 74ms/step
>1194, dr[0.392,0.736], df[0.400,0.059], g[1.153,0.258]
1/1 [=====] - 0s 83ms/step
>1195, dr[0.129,0.552], df[0.392,0.051], g[1.054,0.111]
1/1 [=====] - 0s 67ms/step
>1196, dr[0.227,1.046], df[0.397,0.119], g[1.246,0.097]
1/1 [=====] - 0s 74ms/step
>1197, dr[0.080,0.827], df[0.243,0.052], g[1.899,0.126]
1/1 [=====] - 0s 72ms/step
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>1198, dr[1.321,0.627], df[0.528,0.067], g[1.472,0.101]
1/1 [=====] - 0s 71ms/step
>1199, dr[0.483,0.495], df[0.438,0.123], g[1.453,0.079]
1/1 [=====] - 0s 66ms/step
>1200, dr[0.452,0.561], df[0.732,0.078], g[1.757,0.096]
1/1 [=====] - 0s 72ms/step
>1201, dr[0.443,0.365], df[0.975,0.115], g[1.813,0.204]
1/1 [=====] - 0s 86ms/step
>1202, dr[0.268,1.243], df[0.509,0.081], g[2.204,0.054]
1/1 [=====] - 0s 68ms/step
>1203, dr[0.272,0.520], df[0.264,0.106], g[2.772,0.212]
1/1 [=====] - 0s 70ms/step
>1204, dr[0.352,0.550], df[0.087,0.130], g[3.646,0.077]
1/1 [=====] - 0s 74ms/step
>1205, dr[0.134,0.718], df[0.144,0.115], g[3.351,0.132]
1/1 [=====] - 0s 77ms/step
>1206, dr[0.325,1.284], df[0.174,0.281], g[3.164,0.136]
1/1 [=====] - 0s 73ms/step
>1207, dr[0.186,0.914], df[0.087,0.212], g[3.752,0.156]
1/1 [=====] - 0s 74ms/step
>1208, dr[0.191,0.724], df[0.066,0.177], g[3.643,0.250]
1/1 [=====] - 0s 71ms/step
>1209, dr[0.133,0.429], df[0.161,0.096], g[3.141,0.065]
1/1 [=====] - 0s 75ms/step
>1210, dr[0.196,0.619], df[0.248,0.202], g[2.909,0.128]
1/1 [=====] - 0s 70ms/step
>1211, dr[0.086,0.790], df[0.297,0.284], g[2.698,0.141]
1/1 [=====] - 0s 72ms/step
>1212, dr[0.181,0.714], df[0.165,0.082], g[3.257,0.249]
1/1 [=====] - 0s 73ms/step
>1213, dr[0.039,0.650], df[0.227,0.143], g[3.603,0.091]
1/1 [=====] - 0s 73ms/step
>1214, dr[0.113,0.698], df[0.111,0.098], g[3.813,0.076]
1/1 [=====] - 0s 76ms/step
>1215, dr[0.098,0.717], df[0.062,0.103], g[3.702,0.147]
1/1 [=====] - 0s 73ms/step
>1216, dr[0.123,0.429], df[0.067,0.046], g[4.077,0.106]
1/1 [=====] - 0s 75ms/step
>1217, dr[0.185,0.549], df[0.044,0.068], g[4.334,0.067]
1/1 [=====] - 0s 73ms/step
>1218, dr[0.063,0.467], df[0.163,0.144], g[3.762,0.094]
1/1 [=====] - 0s 75ms/step
>1219, dr[0.149,0.784], df[0.065,0.086], g[3.236,0.142]
1/1 [=====] - 0s 72ms/step
>1220, dr[0.203,1.496], df[0.142,0.126], g[2.936,0.135]
1/1 [=====] - 0s 73ms/step
>1221, dr[0.206,1.228], df[0.061,0.074], g[2.778,0.082]
1/1 [=====] - 0s 68ms/step
>1222, dr[0.091,0.467], df[0.464,0.072], g[2.337,0.183]
1/1 [=====] - 0s 79ms/step
>1223, dr[0.046,0.568], df[0.148,0.052], g[2.479,0.061]
1/1 [=====] - 0s 73ms/step
>1224, dr[0.055,1.029], df[0.113,0.145], g[2.553,0.078]
1/1 [=====] - 0s 69ms/step
>1225, dr[0.154,1.189], df[0.090,0.071], g[2.882,0.046]
1/1 [=====] - 0s 75ms/step
>1226, dr[0.264,0.706], df[0.171,0.053], g[2.343,0.070]
1/1 [=====] - 0s 68ms/step
>1227, dr[0.183,0.769], df[0.262,0.064], g[2.324,0.111]
1/1 [=====] - 0s 71ms/step
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>1228, dr[0.126,0.676], df[0.278,0.056], g[2.267,0.102]
1/1 [=====] - 0s 74ms/step
>1229, dr[0.344,0.738], df[0.156,0.103], g[1.978,0.112]
1/1 [=====] - 0s 77ms/step
>1230, dr[0.274,0.774], df[0.371,0.059], g[2.158,0.046]
1/1 [=====] - 0s 66ms/step
>1231, dr[0.162,0.536], df[0.317,0.048], g[1.943,0.084]
1/1 [=====] - 0s 72ms/step
>1232, dr[0.263,0.760], df[0.239,0.079], g[2.069,0.081]
1/1 [=====] - 0s 72ms/step
>1233, dr[0.270,0.910], df[0.434,0.050], g[2.238,0.084]
1/1 [=====] - 0s 75ms/step
>1234, dr[0.214,0.963], df[0.273,0.073], g[2.807,0.184]
1/1 [=====] - 0s 67ms/step
>1235, dr[0.135,0.435], df[0.275,0.131], g[2.841,0.067]
1/1 [=====] - 0s 74ms/step
>1236, dr[0.456,1.038], df[0.090,0.190], g[3.526,0.111]
1/1 [=====] - 0s 68ms/step
>1237, dr[0.610,0.606], df[0.175,0.164], g[2.951,0.080]
1/1 [=====] - 0s 70ms/step
>1238, dr[0.450,0.712], df[0.194,0.125], g[2.464,0.077]
1/1 [=====] - 0s 66ms/step
>1239, dr[0.185,0.384], df[0.644,0.073], g[1.921,0.077]
1/1 [=====] - 0s 69ms/step
>1240, dr[0.254,0.656], df[0.401,0.174], g[2.221,0.128]
1/1 [=====] - 0s 68ms/step
>1241, dr[0.180,0.529], df[0.081,0.105], g[2.392,0.108]
1/1 [=====] - 0s 67ms/step
>1242, dr[0.212,0.795], df[0.254,0.095], g[2.646,0.044]
1/1 [=====] - 0s 73ms/step
>1243, dr[0.124,0.896], df[0.191,0.039], g[2.263,0.118]
1/1 [=====] - 0s 65ms/step
>1244, dr[0.241,0.744], df[0.055,0.040], g[2.677,0.133]
1/1 [=====] - 0s 74ms/step
>1245, dr[0.233,0.692], df[0.303,0.149], g[2.549,0.082]
1/1 [=====] - 0s 68ms/step
>1246, dr[0.470,0.614], df[0.271,0.031], g[1.526,0.119]
1/1 [=====] - 0s 69ms/step
>1247, dr[0.179,0.702], df[0.128,0.083], g[2.082,0.109]
1/1 [=====] - 0s 73ms/step
>1248, dr[0.261,0.827], df[0.347,0.137], g[1.595,0.061]
1/1 [=====] - 0s 76ms/step
>1249, dr[0.084,0.374], df[0.625,0.173], g[1.794,0.074]
1/1 [=====] - 0s 71ms/step
>1250, dr[0.341,0.384], df[0.536,0.087], g[1.935,0.074]
1/1 [=====] - 0s 72ms/step
>1251, dr[0.450,0.760], df[0.190,0.136], g[2.279,0.096]
1/1 [=====] - 0s 68ms/step
>1252, dr[0.338,0.602], df[0.136,0.119], g[2.639,0.189]
1/1 [=====] - 0s 73ms/step
>1253, dr[0.612,0.408], df[0.315,0.162], g[2.152,0.097]
1/1 [=====] - 0s 67ms/step
>1254, dr[0.498,0.820], df[0.227,0.047], g[2.086,0.132]
1/1 [=====] - 0s 75ms/step
>1255, dr[0.183,0.493], df[0.408,0.166], g[2.394,0.205]
1/1 [=====] - 0s 67ms/step
>1256, dr[0.385,0.644], df[0.262,0.115], g[2.212,0.186]
1/1 [=====] - 0s 71ms/step
>1257, dr[0.402,1.294], df[0.280,0.091], g[2.106,0.135]
1/1 [=====] - 0s 68ms/step
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>1258, dr[0.327,0.443], df[0.441,0.148], g[2.453,0.132]
1/1 [=====] - 0s 78ms/step
>1259, dr[0.469,0.744], df[0.358,0.059], g[2.271,0.113]
1/1 [=====] - 0s 67ms/step
>1260, dr[0.265,0.820], df[0.295,0.087], g[1.983,0.183]
1/1 [=====] - 0s 76ms/step
>1261, dr[0.462,0.527], df[0.427,0.141], g[2.390,0.127]
1/1 [=====] - 0s 69ms/step
>1262, dr[0.330,0.957], df[0.215,0.085], g[2.910,0.078]
1/1 [=====] - 0s 74ms/step
>1263, dr[0.190,0.527], df[0.289,0.133], g[2.940,0.169]
1/1 [=====] - 0s 68ms/step
>1264, dr[0.425,0.822], df[0.307,0.048], g[2.984,0.120]
1/1 [=====] - 0s 73ms/step
>1265, dr[0.252,0.650], df[0.109,0.078], g[3.015,0.174]
1/1 [=====] - 0s 67ms/step
>1266, dr[0.136,0.632], df[0.298,0.086], g[3.496,0.091]
1/1 [=====] - 0s 69ms/step
>1267, dr[0.291,0.761], df[0.122,0.136], g[3.203,0.135]
1/1 [=====] - 0s 68ms/step
>1268, dr[0.292,1.174], df[0.191,0.057], g[2.913,0.076]
1/1 [=====] - 0s 74ms/step
>1269, dr[0.367,0.876], df[0.330,0.144], g[2.690,0.167]
1/1 [=====] - 0s 71ms/step
>1270, dr[0.150,0.603], df[0.354,0.112], g[2.698,0.112]
1/1 [=====] - 0s 67ms/step
>1271, dr[0.222,0.411], df[0.141,0.158], g[2.698,0.148]
1/1 [=====] - 0s 72ms/step
>1272, dr[0.124,0.683], df[0.158,0.118], g[2.404,0.128]
1/1 [=====] - 0s 72ms/step
>1273, dr[0.135,0.901], df[0.150,0.097], g[2.668,0.052]
1/1 [=====] - 0s 70ms/step
>1274, dr[0.223,0.948], df[0.096,0.049], g[2.320,0.111]
1/1 [=====] - 0s 67ms/step
>1275, dr[0.246,0.321], df[0.113,0.109], g[2.468,0.135]
1/1 [=====] - 0s 68ms/step
>1276, dr[0.078,1.026], df[0.203,0.040], g[2.915,0.093]
1/1 [=====] - 0s 67ms/step
>1277, dr[0.096,0.537], df[0.140,0.046], g[2.389,0.115]
1/1 [=====] - 0s 77ms/step
>1278, dr[0.104,0.620], df[0.141,0.050], g[2.099,0.162]
1/1 [=====] - 0s 71ms/step
>1279, dr[0.117,1.035], df[0.047,0.056], g[1.944,0.128]
1/1 [=====] - 0s 73ms/step
>1280, dr[0.093,0.969], df[0.299,0.043], g[1.722,0.099]
1/1 [=====] - 0s 66ms/step
>1281, dr[0.166,0.716], df[0.146,0.063], g[1.963,0.152]
1/1 [=====] - 0s 75ms/step
>1282, dr[0.205,0.616], df[0.110,0.121], g[1.825,0.183]
1/1 [=====] - 0s 67ms/step
>1283, dr[0.060,0.485], df[0.157,0.147], g[1.723,0.231]
1/1 [=====] - 0s 75ms/step
>1284, dr[0.056,0.297], df[0.203,0.099], g[1.492,0.157]
1/1 [=====] - 0s 67ms/step
>1285, dr[0.127,0.998], df[0.205,0.147], g[2.058,0.103]
1/1 [=====] - 0s 75ms/step
>1286, dr[0.093,1.325], df[0.154,0.060], g[1.981,0.086]
1/1 [=====] - 0s 68ms/step
>1287, dr[0.132,0.738], df[0.088,0.083], g[2.328,0.115]
1/1 [=====] - 0s 71ms/step
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>1288, dr[0.116,0.480], df[0.093,0.056], g[2.460,0.109]
1/1 [=====] - 0s 72ms/step
>1289, dr[0.308,0.624], df[0.108,0.145], g[2.362,0.059]
1/1 [=====] - 0s 83ms/step
>1290, dr[0.299,0.689], df[0.107,0.130], g[2.281,0.169]
1/1 [=====] - 0s 74ms/step
>1291, dr[0.248,0.482], df[0.147,0.096], g[2.094,0.091]
1/1 [=====] - 0s 71ms/step
>1292, dr[0.250,0.560], df[0.262,0.072], g[2.153,0.091]
1/1 [=====] - 0s 70ms/step
>1293, dr[0.323,1.224], df[0.280,0.075], g[1.614,0.104]
1/1 [=====] - 0s 81ms/step
>1294, dr[0.319,0.993], df[0.452,0.090], g[1.443,0.117]
1/1 [=====] - 0s 74ms/step
>1295, dr[0.104,0.542], df[0.470,0.039], g[2.177,0.089]
1/1 [=====] - 0s 67ms/step
>1296, dr[0.258,0.372], df[0.090,0.102], g[2.785,0.058]
1/1 [=====] - 0s 98ms/step
>1297, dr[0.491,0.576], df[0.093,0.215], g[3.168,0.036]
1/1 [=====] - 0s 73ms/step
>1298, dr[0.433,0.655], df[0.250,0.069], g[2.764,0.075]
1/1 [=====] - 0s 71ms/step
>1299, dr[0.397,0.786], df[0.080,0.028], g[2.647,0.060]
1/1 [=====] - 0s 73ms/step
>1300, dr[0.118,0.637], df[0.186,0.098], g[2.588,0.072]
1/1 [=====] - 0s 69ms/step
>1301, dr[0.236,0.842], df[0.318,0.042], g[2.722,0.059]
1/1 [=====] - 0s 77ms/step
>1302, dr[0.180,0.997], df[0.302,0.133], g[2.599,0.083]
1/1 [=====] - 0s 87ms/step
>1303, dr[0.076,0.339], df[0.180,0.024], g[3.122,0.060]
1/1 [=====] - 0s 119ms/step
>1304, dr[0.133,0.821], df[0.085,0.102], g[3.802,0.047]
1/1 [=====] - 0s 82ms/step
>1305, dr[0.150,0.713], df[0.079,0.102], g[3.923,0.129]
1/1 [=====] - 0s 73ms/step
>1306, dr[0.245,0.589], df[0.235,0.044], g[3.534,0.130]
1/1 [=====] - 0s 80ms/step
>1307, dr[0.316,0.944], df[0.156,0.123], g[3.696,0.120]
1/1 [=====] - 0s 67ms/step
>1308, dr[0.399,0.681], df[0.135,0.161], g[3.696,0.036]
1/1 [=====] - 0s 75ms/step
>1309, dr[0.163,0.748], df[0.291,0.238], g[3.507,0.103]
1/1 [=====] - 0s 76ms/step
>1310, dr[0.228,0.851], df[0.361,0.043], g[3.109,0.060]
1/1 [=====] - 0s 73ms/step
>1311, dr[0.061,0.340], df[0.209,0.052], g[3.175,0.069]
1/1 [=====] - 0s 68ms/step
>1312, dr[0.192,0.763], df[0.121,0.033], g[3.176,0.127]
1/1 [=====] - 0s 69ms/step
>1313, dr[0.056,0.668], df[0.123,0.102], g[2.578,0.097]
1/1 [=====] - 0s 77ms/step
>1314, dr[0.126,0.929], df[0.069,0.044], g[3.152,0.065]
1/1 [=====] - 0s 76ms/step
>1315, dr[0.198,0.413], df[0.078,0.136], g[2.878,0.064]
1/1 [=====] - 0s 71ms/step
>1316, dr[0.080,0.995], df[0.169,0.049], g[2.444,0.094]
1/1 [=====] - 0s 69ms/step
>1317, dr[0.460,0.518], df[0.152,0.195], g[1.668,0.072]
1/1 [=====] - 0s 73ms/step
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>1318, dr[0.095,0.484], df[0.047,0.049], g[1.821,0.076]
1/1 [=====] - 0s 69ms/step
>1319, dr[0.079,0.416], df[0.244,0.075], g[1.888,0.060]
1/1 [=====] - 0s 74ms/step
>1320, dr[0.152,0.652], df[0.108,0.095], g[1.103,0.137]
1/1 [=====] - 0s 69ms/step
>1321, dr[0.086,0.635], df[0.389,0.071], g[1.380,0.116]
1/1 [=====] - 0s 74ms/step
>1322, dr[0.021,0.344], df[0.107,0.040], g[1.262,0.075]
1/1 [=====] - 0s 72ms/step
>1323, dr[0.052,0.681], df[0.083,0.132], g[1.289,0.059]
1/1 [=====] - 0s 81ms/step
>1324, dr[0.145,0.738], df[0.148,0.086], g[1.837,0.061]
1/1 [=====] - 0s 69ms/step
>1325, dr[0.202,0.556], df[0.104,0.104], g[1.447,0.072]
1/1 [=====] - 0s 72ms/step
>1326, dr[0.258,0.752], df[0.444,0.105], g[1.698,0.046]
1/1 [=====] - 0s 75ms/step
>1327, dr[0.044,0.618], df[0.139,0.041], g[1.495,0.117]
1/1 [=====] - 0s 75ms/step
>1328, dr[0.044,0.619], df[0.190,0.060], g[1.454,0.102]
1/1 [=====] - 0s 72ms/step
>1329, dr[0.318,0.379], df[0.096,0.052], g[2.263,0.088]
1/1 [=====] - 0s 71ms/step
>1330, dr[0.570,0.672], df[0.047,0.066], g[1.879,0.075]
1/1 [=====] - 0s 81ms/step
>1331, dr[0.198,0.737], df[0.439,0.044], g[1.724,0.074]
1/1 [=====] - 0s 68ms/step
>1332, dr[0.036,0.528], df[0.216,0.029], g[2.315,0.083]
1/1 [=====] - 0s 69ms/step
>1333, dr[0.106,0.682], df[0.262,0.037], g[1.824,0.164]
1/1 [=====] - 0s 67ms/step
>1334, dr[0.349,0.890], df[0.140,0.051], g[1.833,0.100]
1/1 [=====] - 0s 79ms/step
>1335, dr[0.321,0.559], df[0.095,0.104], g[2.074,0.098]
1/1 [=====] - 0s 68ms/step
>1336, dr[0.151,0.843], df[0.301,0.036], g[1.931,0.095]
1/1 [=====] - 0s 76ms/step
>1337, dr[0.118,0.433], df[0.248,0.102], g[2.170,0.055]
1/1 [=====] - 0s 67ms/step
>1338, dr[0.391,0.741], df[0.292,0.052], g[2.271,0.062]
1/1 [=====] - 0s 70ms/step
>1339, dr[0.094,0.693], df[0.419,0.076], g[3.080,0.089]
1/1 [=====] - 0s 70ms/step
>1340, dr[0.298,0.454], df[0.105,0.107], g[3.951,0.079]
1/1 [=====] - 0s 66ms/step
>1341, dr[0.254,0.537], df[0.096,0.135], g[3.375,0.280]
1/1 [=====] - 0s 71ms/step
>1342, dr[0.441,0.827], df[0.071,0.159], g[3.286,0.107]
1/1 [=====] - 0s 67ms/step
>1343, dr[0.470,0.839], df[0.077,0.066], g[1.980,0.064]
1/1 [=====] - 0s 93ms/step
>1344, dr[0.076,0.919], df[0.473,0.132], g[2.129,0.074]
1/1 [=====] - 0s 67ms/step
>1345, dr[0.070,0.579], df[0.426,0.116], g[2.284,0.120]
1/1 [=====] - 0s 99ms/step
>1346, dr[0.020,0.318], df[0.314,0.032], g[2.422,0.102]
1/1 [=====] - 0s 70ms/step
>1347, dr[0.124,0.863], df[0.177,0.118], g[2.135,0.060]
1/1 [=====] - 0s 73ms/step
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>1348, dr[0.108,0.648], df[0.207,0.085], g[2.924,0.080]
1/1 [=====] - 0s 86ms/step
>1349, dr[0.247,1.193], df[0.108,0.108], g[2.822,0.115]
1/1 [=====] - 0s 130ms/step
>1350, dr[0.094,0.724], df[0.149,0.168], g[2.875,0.092]
1/1 [=====] - 0s 77ms/step
>1351, dr[0.418,0.555], df[0.136,0.076], g[2.705,0.064]
1/1 [=====] - 0s 70ms/step
>1352, dr[0.112,0.571], df[0.185,0.070], g[2.173,0.102]
1/1 [=====] - 0s 74ms/step
>1353, dr[0.122,0.344], df[0.141,0.078], g[1.969,0.113]
1/1 [=====] - 0s 72ms/step
>1354, dr[0.124,0.819], df[0.338,0.136], g[2.197,0.164]
1/1 [=====] - 0s 70ms/step
>1355, dr[0.473,0.765], df[0.240,0.349], g[1.770,0.106]
1/1 [=====] - 0s 75ms/step
>1356, dr[0.042,0.801], df[0.216,0.078], g[1.513,0.068]
1/1 [=====] - 0s 68ms/step
>1357, dr[0.128,0.317], df[0.361,0.027], g[1.756,0.093]
1/1 [=====] - 0s 69ms/step
>1358, dr[0.124,0.403], df[0.284,0.147], g[1.890,0.121]
1/1 [=====] - 0s 72ms/step
>1359, dr[0.061,0.789], df[0.098,0.080], g[2.973,0.095]
1/1 [=====] - 0s 68ms/step
>1360, dr[0.127,0.730], df[0.202,0.052], g[2.893,0.072]
1/1 [=====] - 0s 69ms/step
>1361, dr[0.569,0.681], df[0.165,0.058], g[3.162,0.043]
1/1 [=====] - 0s 72ms/step
>1362, dr[0.132,0.441], df[0.078,0.035], g[2.088,0.132]
1/1 [=====] - 0s 70ms/step
>1363, dr[0.202,0.676], df[0.055,0.083], g[2.306,0.108]
1/1 [=====] - 0s 73ms/step
>1364, dr[0.122,0.913], df[0.125,0.091], g[1.698,0.058]
1/1 [=====] - 0s 79ms/step
>1365, dr[0.165,0.621], df[0.368,0.076], g[1.456,0.078]
1/1 [=====] - 0s 82ms/step
>1366, dr[0.052,0.885], df[0.239,0.072], g[1.737,0.081]
1/1 [=====] - 0s 77ms/step
>1367, dr[0.193,1.154], df[0.575,0.302], g[1.689,0.090]
1/1 [=====] - 0s 86ms/step
>1368, dr[0.123,0.511], df[0.172,0.120], g[3.216,0.154]
1/1 [=====] - 0s 67ms/step
>1369, dr[0.140,0.647], df[0.157,0.052], g[3.015,0.072]
1/1 [=====] - 0s 75ms/step
>1370, dr[0.310,0.694], df[0.101,0.193], g[3.734,0.075]
1/1 [=====] - 0s 71ms/step
>1371, dr[0.641,0.666], df[0.054,0.125], g[2.457,0.144]
1/1 [=====] - 0s 73ms/step
>1372, dr[0.710,0.533], df[0.267,0.054], g[1.805,0.180]
1/1 [=====] - 0s 74ms/step
>1373, dr[0.095,1.001], df[0.657,0.089], g[2.186,0.069]
1/1 [=====] - 0s 69ms/step
>1374, dr[0.119,1.238], df[0.299,0.043], g[2.649,0.226]
1/1 [=====] - 0s 71ms/step
>1375, dr[0.260,0.699], df[0.194,0.067], g[2.950,0.094]
1/1 [=====] - 0s 65ms/step
>1376, dr[0.204,0.959], df[0.210,0.129], g[3.045,0.130]
1/1 [=====] - 0s 67ms/step
>1377, dr[0.340,0.393], df[0.089,0.204], g[5.117,0.104]
1/1 [=====] - 0s 69ms/step
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>1378, dr[0.537,0.687], df[0.021,0.120], g[3.583,0.134]
1/1 [=====] - 0s 72ms/step
>1379, dr[0.125,0.580], df[0.086,0.090], g[2.961,0.161]
1/1 [=====] - 0s 71ms/step
>1380, dr[0.438,1.084], df[0.380,0.192], g[2.816,0.239]
1/1 [=====] - 0s 69ms/step
>1381, dr[0.101,1.033], df[0.305,0.168], g[2.254,0.109]
1/1 [=====] - 0s 83ms/step
>1382, dr[0.057,0.403], df[0.108,0.153], g[2.749,0.092]
1/1 [=====] - 0s 76ms/step
>1383, dr[0.198,0.371], df[0.298,0.081], g[2.442,0.261]
1/1 [=====] - 0s 68ms/step
>1384, dr[0.209,0.918], df[0.075,0.097], g[2.551,0.093]
1/1 [=====] - 0s 74ms/step
>1385, dr[0.139,0.384], df[0.452,0.209], g[1.922,0.156]
1/1 [=====] - 0s 70ms/step
>1386, dr[0.096,0.505], df[0.246,0.050], g[2.737,0.120]
1/1 [=====] - 0s 76ms/step
>1387, dr[0.312,0.785], df[0.179,0.136], g[2.694,0.207]
1/1 [=====] - 0s 73ms/step
>1388, dr[0.576,0.992], df[0.394,0.057], g[2.771,0.082]
1/1 [=====] - 0s 83ms/step
>1389, dr[0.131,1.011], df[0.332,0.136], g[2.719,0.081]
1/1 [=====] - 0s 74ms/step
>1390, dr[0.277,0.822], df[0.301,0.128], g[1.999,0.088]
1/1 [=====] - 0s 71ms/step
>1391, dr[0.283,0.863], df[0.446,0.054], g[1.983,0.076]
1/1 [=====] - 0s 76ms/step
>1392, dr[0.144,0.775], df[0.408,0.152], g[2.415,0.095]
1/1 [=====] - 0s 71ms/step
>1393, dr[0.230,0.653], df[0.127,0.160], g[3.161,0.115]
1/1 [=====] - 0s 84ms/step
>1394, dr[0.318,0.285], df[0.065,0.144], g[2.176,0.162]
1/1 [=====] - 0s 69ms/step
>1395, dr[1.055,0.555], df[0.058,0.096], g[1.853,0.125]
1/1 [=====] - 0s 73ms/step
>1396, dr[0.138,0.464], df[0.238,0.078], g[1.569,0.209]
1/1 [=====] - 0s 79ms/step
>1397, dr[0.137,0.624], df[0.411,0.192], g[1.049,0.093]
1/1 [=====] - 0s 79ms/step
>1398, dr[0.013,0.740], df[0.096,0.181], g[1.108,0.167]
1/1 [=====] - 0s 89ms/step
>1399, dr[0.038,0.715], df[0.404,0.383], g[1.434,0.108]
1/1 [=====] - 0s 67ms/step
>1400, dr[0.030,1.137], df[0.515,0.134], g[1.507,0.106]
1/1 [=====] - 0s 72ms/step
>1401, dr[0.083,0.780], df[0.159,0.142], g[2.406,0.147]
1/1 [=====] - 0s 70ms/step
>1402, dr[0.155,0.983], df[0.037,0.149], g[2.545,0.102]
1/1 [=====] - 0s 73ms/step
>1403, dr[0.345,0.275], df[0.082,0.156], g[2.905,0.068]
1/1 [=====] - 0s 71ms/step
>1404, dr[0.396,0.721], df[0.166,0.068], g[2.993,0.128]
1/1 [=====] - 0s 73ms/step
>1405, dr[1.101,0.387], df[0.118,0.171], g[2.015,0.182]
1/1 [=====] - 0s 68ms/step
>1406, dr[0.075,0.492], df[0.392,0.078], g[1.413,0.094]
1/1 [=====] - 0s 78ms/step
>1407, dr[0.273,0.610], df[0.634,0.117], g[1.732,0.096]
1/1 [=====] - 0s 75ms/step
```

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>1408, dr[0.135,1.154], df[0.516,0.168], g[1.705,0.144]
1/1 [=====] - 0s 76ms/step
>1409, dr[0.161,0.562], df[0.165,0.094], g[2.236,0.154]
1/1 [=====] - 0s 76ms/step
>1410, dr[0.277,0.319], df[0.082,0.036], g[3.264,0.101]
1/1 [=====] - 0s 73ms/step
>1411, dr[0.577,0.831], df[0.102,0.106], g[3.026,0.156]
1/1 [=====] - 0s 75ms/step
>1412, dr[0.567,0.939], df[0.126,0.061], g[2.593,0.070]
1/1 [=====] - 0s 72ms/step
>1413, dr[0.226,0.602], df[0.245,0.136], g[2.277,0.115]
1/1 [=====] - 0s 68ms/step
>1414, dr[0.139,0.383], df[0.093,0.356], g[2.210,0.108]
1/1 [=====] - 0s 69ms/step
>1415, dr[0.220,0.883], df[0.309,0.127], g[2.158,0.161]
1/1 [=====] - 0s 75ms/step
>1416, dr[0.157,0.799], df[0.103,0.102], g[2.403,0.122]
1/1 [=====] - 0s 67ms/step
>1417, dr[0.234,0.520], df[0.130,0.099], g[3.002,0.148]
1/1 [=====] - 0s 72ms/step
>1418, dr[0.158,0.643], df[0.312,0.091], g[2.102,0.143]
1/1 [=====] - 0s 64ms/step
>1419, dr[0.059,0.847], df[0.162,0.057], g[3.514,0.050]
1/1 [=====] - 0s 74ms/step
>1420, dr[0.330,0.147], df[0.076,0.112], g[3.585,0.080]
1/1 [=====] - 0s 74ms/step
>1421, dr[0.121,0.571], df[0.139,0.078], g[3.418,0.222]
1/1 [=====] - 0s 77ms/step
>1422, dr[0.218,0.741], df[0.394,0.109], g[2.410,0.122]
1/1 [=====] - 0s 66ms/step
>1423, dr[0.127,0.850], df[0.167,0.047], g[2.638,0.124]
1/1 [=====] - 0s 72ms/step
>1424, dr[0.162,0.888], df[0.244,0.116], g[2.863,0.102]
1/1 [=====] - 0s 65ms/step
>1425, dr[0.106,0.714], df[0.221,0.073], g[2.278,0.047]
1/1 [=====] - 0s 125ms/step
>1426, dr[0.377,0.486], df[0.362,0.049], g[2.467,0.058]
1/1 [=====] - 0s 78ms/step
>1427, dr[0.213,0.945], df[0.457,0.123], g[1.537,0.116]
1/1 [=====] - 0s 69ms/step
>1428, dr[0.150,0.637], df[0.357,0.041], g[1.880,0.049]
1/1 [=====] - 0s 70ms/step
>1429, dr[0.055,0.572], df[0.293,0.066], g[1.749,0.133]
1/1 [=====] - 0s 68ms/step
>1430, dr[0.477,1.332], df[0.111,0.072], g[2.113,0.105]
1/1 [=====] - 0s 68ms/step
>1431, dr[0.675,0.803], df[0.212,0.127], g[1.338,0.074]
1/1 [=====] - 0s 73ms/step
>1432, dr[0.321,0.744], df[0.246,0.130], g[0.694,0.143]
1/1 [=====] - 0s 73ms/step
>1433, dr[0.064,1.078], df[0.142,0.153], g[0.753,0.036]
1/1 [=====] - 0s 73ms/step
>1434, dr[0.145,0.768], df[0.125,0.148], g[0.811,0.048]
1/1 [=====] - 0s 65ms/step
>1435, dr[0.066,0.649], df[0.099,0.254], g[0.365,0.051]
1/1 [=====] - 0s 72ms/step
>1436, dr[0.049,0.511], df[0.005,0.136], g[0.521,0.089]
1/1 [=====] - 0s 68ms/step
>1437, dr[0.067,0.470], df[0.007,0.032], g[0.412,0.031]
1/1 [=====] - 0s 75ms/step
```

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>1438, dr[0.038,1.079], df[0.003,0.153], g[0.391,0.116]
1/1 [=====] - 0s 67ms/step
>1439, dr[0.043,0.470], df[0.003,0.276], g[0.286,0.176]
1/1 [=====] - 0s 81ms/step
>1440, dr[0.042,0.327], df[0.045,0.064], g[0.354,0.116]
1/1 [=====] - 0s 70ms/step
>1441, dr[0.034,0.690], df[0.023,0.131], g[0.307,0.088]
1/1 [=====] - 0s 128ms/step
>1442, dr[0.006,0.917], df[0.022,0.074], g[0.202,0.068]
1/1 [=====] - 0s 76ms/step
>1443, dr[0.004,0.562], df[0.079,0.088], g[0.085,0.046]
1/1 [=====] - 0s 71ms/step
>1444, dr[0.018,0.633], df[0.096,0.095], g[0.145,0.074]
1/1 [=====] - 0s 72ms/step
>1445, dr[0.041,0.800], df[0.210,0.039], g[0.317,0.149]
1/1 [=====] - 0s 66ms/step
>1446, dr[0.019,0.531], df[0.141,0.104], g[0.357,0.189]
1/1 [=====] - 0s 75ms/step
>1447, dr[0.035,0.429], df[0.041,0.106], g[0.321,0.078]
1/1 [=====] - 0s 68ms/step
>1448, dr[0.050,0.935], df[0.014,0.141], g[0.347,0.048]
1/1 [=====] - 0s 71ms/step
>1449, dr[0.104,0.424], df[0.008,0.178], g[0.296,0.046]
1/1 [=====] - 0s 69ms/step
>1450, dr[0.091,0.973], df[0.021,0.020], g[0.265,0.056]
1/1 [=====] - 0s 81ms/step
>1451, dr[0.017,0.485], df[0.103,0.078], g[0.269,0.071]
1/1 [=====] - 0s 70ms/step
>1452, dr[0.016,0.643], df[0.043,0.112], g[0.283,0.098]
1/1 [=====] - 0s 72ms/step
>1453, dr[0.033,0.584], df[0.106,0.056], g[0.340,0.106]
1/1 [=====] - 0s 89ms/step
>1454, dr[0.111,0.459], df[0.242,0.064], g[0.186,0.116]
1/1 [=====] - 0s 73ms/step
>1455, dr[0.072,0.646], df[0.038,0.026], g[0.301,0.187]
1/1 [=====] - 0s 81ms/step
>1456, dr[0.294,0.826], df[0.283,0.152], g[0.230,0.122]
1/1 [=====] - 0s 68ms/step
>1457, dr[0.293,0.552], df[0.087,0.133], g[0.364,0.122]
1/1 [=====] - 0s 75ms/step
>1458, dr[0.073,0.724], df[0.040,0.077], g[0.206,0.162]
1/1 [=====] - 0s 101ms/step
>1459, dr[0.274,0.704], df[0.621,0.026], g[0.215,0.140]
1/1 [=====] - 0s 83ms/step
>1460, dr[0.109,0.499], df[0.154,0.045], g[0.351,0.041]
1/1 [=====] - 0s 71ms/step
>1461, dr[0.308,0.528], df[0.186,0.089], g[0.188,0.104]
1/1 [=====] - 0s 68ms/step
>1462, dr[0.057,0.556], df[0.268,0.031], g[0.309,0.100]
1/1 [=====] - 0s 77ms/step
>1463, dr[0.293,0.338], df[0.221,0.036], g[0.406,0.086]
1/1 [=====] - 0s 71ms/step
>1464, dr[0.367,1.138], df[0.734,0.022], g[0.383,0.088]
1/1 [=====] - 0s 72ms/step
>1465, dr[0.522,1.045], df[0.214,0.017], g[0.297,0.112]
1/1 [=====] - 0s 74ms/step
>1466, dr[0.082,0.570], df[0.137,0.037], g[0.476,0.112]
1/1 [=====] - 0s 72ms/step
>1467, dr[0.115,0.577], df[0.286,0.123], g[0.498,0.084]
1/1 [=====] - 0s 68ms/step
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>1468, dr[0.334,0.298], df[0.358,0.030], g[0.818,0.051]
1/1 [=====] - 0s 69ms/step
>1469, dr[0.364,0.533], df[0.161,0.024], g[0.969,0.091]
1/1 [=====] - 0s 71ms/step
>1470, dr[0.416,0.646], df[0.534,0.043], g[0.982,0.141]
1/1 [=====] - 0s 69ms/step
>1471, dr[1.025,0.631], df[0.530,0.085], g[0.878,0.076]
1/1 [=====] - 0s 68ms/step
>1472, dr[0.310,0.925], df[0.387,0.061], g[1.463,0.110]
1/1 [=====] - 0s 67ms/step
>1473, dr[0.209,0.628], df[0.278,0.056], g[1.898,0.040]
1/1 [=====] - 0s 69ms/step
>1474, dr[0.265,0.532], df[0.221,0.049], g[2.123,0.050]
1/1 [=====] - 0s 78ms/step
>1475, dr[0.444,0.633], df[0.309,0.030], g[2.408,0.068]
1/1 [=====] - 0s 81ms/step
>1476, dr[0.148,0.714], df[0.111,0.084], g[2.756,0.142]
1/1 [=====] - 0s 77ms/step
>1477, dr[0.358,0.358], df[0.227,0.043], g[2.525,0.168]
1/1 [=====] - 0s 76ms/step
>1478, dr[0.481,0.791], df[0.236,0.044], g[2.881,0.084]
1/1 [=====] - 0s 75ms/step
>1479, dr[0.129,0.350], df[0.112,0.054], g[3.222,0.069]
1/1 [=====] - 0s 72ms/step
>1480, dr[0.084,0.472], df[0.137,0.025], g[3.378,0.197]
1/1 [=====] - 0s 72ms/step
>1481, dr[0.089,0.572], df[0.119,0.059], g[3.738,0.046]
1/1 [=====] - 0s 67ms/step
>1482, dr[0.133,1.272], df[0.071,0.059], g[4.804,0.161]
1/1 [=====] - 0s 72ms/step
>1483, dr[0.225,0.514], df[0.048,0.065], g[4.024,0.108]
1/1 [=====] - 0s 72ms/step
>1484, dr[0.201,0.804], df[0.141,0.085], g[4.469,0.120]
1/1 [=====] - 0s 73ms/step
>1485, dr[0.284,0.499], df[0.050,0.113], g[4.238,0.073]
1/1 [=====] - 0s 67ms/step
>1486, dr[0.077,0.552], df[0.025,0.019], g[4.518,0.121]
1/1 [=====] - 0s 74ms/step
>1487, dr[0.034,0.552], df[0.113,0.074], g[3.993,0.098]
1/1 [=====] - 0s 66ms/step
>1488, dr[0.096,1.242], df[0.049,0.103], g[4.330,0.076]
1/1 [=====] - 0s 72ms/step
>1489, dr[0.048,0.526], df[0.119,0.091], g[4.706,0.100]
1/1 [=====] - 0s 68ms/step
>1490, dr[0.274,0.559], df[0.059,0.029], g[4.091,0.101]
1/1 [=====] - 0s 73ms/step
>1491, dr[0.069,0.725], df[0.047,0.103], g[4.468,0.121]
1/1 [=====] - 0s 69ms/step
>1492, dr[0.072,0.470], df[0.063,0.111], g[4.224,0.122]
1/1 [=====] - 0s 73ms/step
>1493, dr[0.053,0.956], df[0.070,0.080], g[3.752,0.048]
1/1 [=====] - 0s 66ms/step
>1494, dr[0.119,0.499], df[0.050,0.066], g[3.594,0.081]
1/1 [=====] - 0s 74ms/step
>1495, dr[0.138,0.518], df[0.137,0.112], g[3.351,0.059]
1/1 [=====] - 0s 72ms/step
>1496, dr[0.013,0.839], df[0.118,0.067], g[2.942,0.092]
1/1 [=====] - 0s 68ms/step
>1497, dr[0.121,0.730], df[0.103,0.092], g[2.910,0.061]
1/1 [=====] - 0s 72ms/step
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>1498, dr[0.012,0.678], df[0.116,0.049], g[2.878,0.051]
1/1 [=====] - 0s 74ms/step
>1499, dr[0.054,0.369], df[0.158,0.043], g[3.248,0.052]
1/1 [=====] - 0s 75ms/step
>1500, dr[0.020,0.769], df[0.117,0.172], g[2.971,0.061]
1/1 [=====] - 0s 70ms/step
>1501, dr[0.260,0.660], df[0.260,0.045], g[3.309,0.177]
1/1 [=====] - 0s 78ms/step
>1502, dr[0.216,0.885], df[0.226,0.098], g[3.364,0.088]
1/1 [=====] - 0s 71ms/step
>1503, dr[0.206,0.492], df[0.370,0.079], g[2.930,0.035]
1/1 [=====] - 0s 74ms/step
>1504, dr[0.132,0.912], df[0.332,0.060], g[2.740,0.043]
1/1 [=====] - 0s 67ms/step
>1505, dr[0.307,0.767], df[0.109,0.208], g[3.088,0.053]
1/1 [=====] - 0s 78ms/step
>1506, dr[0.233,0.727], df[0.075,0.029], g[2.047,0.063]
1/1 [=====] - 0s 71ms/step
>1507, dr[0.209,0.576], df[0.966,0.153], g[2.698,0.108]
1/1 [=====] - 0s 77ms/step
>1508, dr[0.380,0.814], df[0.358,0.061], g[2.769,0.112]
1/1 [=====] - 0s 71ms/step
>1509, dr[0.361,0.795], df[0.172,0.118], g[3.847,0.138]
1/1 [=====] - 0s 83ms/step
>1510, dr[0.289,0.613], df[0.044,0.024], g[4.134,0.041]
1/1 [=====] - 0s 71ms/step
>1511, dr[0.135,0.666], df[0.022,0.086], g[4.305,0.030]
1/1 [=====] - 0s 79ms/step
>1512, dr[0.075,0.869], df[0.089,0.177], g[3.983,0.061]
1/1 [=====] - 0s 69ms/step
>1513, dr[0.035,0.706], df[0.067,0.041], g[3.565,0.066]
1/1 [=====] - 0s 90ms/step
>1514, dr[0.027,1.182], df[0.390,0.082], g[3.505,0.060]
1/1 [=====] - 0s 87ms/step
>1515, dr[0.026,1.014], df[0.209,0.065], g[3.308,0.166]
1/1 [=====] - 0s 97ms/step
>1516, dr[0.087,0.513], df[0.296,0.143], g[3.767,0.120]
1/1 [=====] - 0s 80ms/step
>1517, dr[0.094,0.828], df[0.530,0.049], g[3.785,0.062]
1/1 [=====] - 0s 70ms/step
>1518, dr[0.229,1.000], df[0.457,0.078], g[3.086,0.099]
1/1 [=====] - 0s 65ms/step
>1519, dr[0.414,0.978], df[0.305,0.047], g[4.305,0.073]
1/1 [=====] - 0s 71ms/step
>1520, dr[0.652,0.389], df[0.310,0.067], g[3.652,0.110]
1/1 [=====] - 0s 70ms/step
>1521, dr[0.737,0.572], df[0.088,0.194], g[2.412,0.147]
1/1 [=====] - 0s 76ms/step
>1522, dr[0.387,0.701], df[0.136,0.097], g[2.078,0.074]
1/1 [=====] - 0s 67ms/step
>1523, dr[0.209,1.140], df[0.288,0.306], g[1.910,0.114]
1/1 [=====] - 0s 72ms/step
>1524, dr[0.229,0.838], df[0.086,0.050], g[1.793,0.096]
1/1 [=====] - 0s 65ms/step
>1525, dr[0.102,0.993], df[0.094,0.112], g[2.276,0.150]
1/1 [=====] - 0s 71ms/step
>1526, dr[0.070,0.758], df[0.108,0.113], g[2.016,0.084]
1/1 [=====] - 0s 72ms/step
>1527, dr[0.047,0.713], df[0.066,0.246], g[2.508,0.153]
1/1 [=====] - 0s 75ms/step
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>1528, dr[0.252,1.036], df[0.047,0.106], g[2.053,0.139]
1/1 [=====] - 0s 69ms/step
>1529, dr[0.052,1.091], df[0.047,0.139], g[2.291,0.266]
1/1 [=====] - 0s 76ms/step
>1530, dr[0.104,0.551], df[0.031,0.179], g[2.749,0.191]
1/1 [=====] - 0s 67ms/step
>1531, dr[0.062,0.528], df[0.041,0.097], g[2.449,0.128]
1/1 [=====] - 0s 81ms/step
>1532, dr[0.043,0.565], df[0.160,0.204], g[2.163,0.198]
1/1 [=====] - 0s 67ms/step
>1533, dr[0.133,0.664], df[0.036,0.192], g[2.223,0.169]
1/1 [=====] - 0s 86ms/step
>1534, dr[0.094,0.478], df[0.035,0.135], g[1.863,0.170]
1/1 [=====] - 0s 69ms/step
>1535, dr[0.081,0.704], df[0.066,0.252], g[1.951,0.156]
1/1 [=====] - 0s 77ms/step
>1536, dr[0.016,0.333], df[0.047,0.253], g[1.458,0.191]
1/1 [=====] - 0s 70ms/step
>1537, dr[0.042,0.764], df[0.132,0.304], g[1.724,0.145]
1/1 [=====] - 0s 91ms/step
>1538, dr[0.113,1.081], df[0.020,0.166], g[1.302,0.126]
1/1 [=====] - 0s 67ms/step
>1539, dr[0.021,0.727], df[0.320,0.111], g[1.471,0.073]
1/1 [=====] - 0s 67ms/step
>1540, dr[0.050,0.840], df[0.216,0.104], g[1.446,0.096]
1/1 [=====] - 0s 68ms/step
>1541, dr[0.199,0.756], df[0.041,0.172], g[1.556,0.234]
1/1 [=====] - 0s 69ms/step
>1542, dr[0.070,0.656], df[0.070,0.136], g[1.864,0.113]
1/1 [=====] - 0s 65ms/step
>1543, dr[0.076,0.486], df[0.372,0.106], g[1.777,0.227]
1/1 [=====] - 0s 68ms/step
>1544, dr[0.610,0.165], df[0.145,0.124], g[1.468,0.302]
1/1 [=====] - 0s 66ms/step
>1545, dr[0.429,1.199], df[0.228,0.089], g[1.428,0.134]
1/1 [=====] - 0s 67ms/step
>1546, dr[0.258,0.502], df[0.717,0.045], g[1.350,0.145]
1/1 [=====] - 0s 66ms/step
>1547, dr[0.428,0.771], df[0.665,0.197], g[1.650,0.235]
1/1 [=====] - 0s 67ms/step
>1548, dr[0.354,0.476], df[0.700,0.071], g[2.044,0.170]
1/1 [=====] - 0s 70ms/step
>1549, dr[0.321,1.061], df[0.528,0.079], g[1.927,0.109]
1/1 [=====] - 0s 67ms/step
>1550, dr[0.210,0.536], df[0.235,0.105], g[3.187,0.150]
1/1 [=====] - 0s 66ms/step
>1551, dr[0.415,0.771], df[0.447,0.095], g[3.318,0.138]
1/1 [=====] - 0s 67ms/step
>1552, dr[0.216,0.826], df[0.248,0.065], g[4.182,0.227]
1/1 [=====] - 0s 69ms/step
>1553, dr[0.257,0.512], df[0.070,0.170], g[4.895,0.100]
1/1 [=====] - 0s 75ms/step
>1554, dr[0.242,0.701], df[0.130,0.135], g[4.394,0.074]
1/1 [=====] - 0s 73ms/step
>1555, dr[0.319,0.754], df[0.622,0.162], g[3.329,0.091]
1/1 [=====] - 0s 67ms/step
>1556, dr[0.213,0.497], df[0.084,0.106], g[4.270,0.130]
1/1 [=====] - 0s 73ms/step
>1557, dr[0.198,0.421], df[0.676,0.072], g[3.898,0.073]
1/1 [=====] - 0s 65ms/step
```

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>1558, dr[0.223,0.382], df[0.176,0.082], g[3.646,0.071]
1/1 [=====] - 0s 78ms/step
>1559, dr[0.218,0.545], df[0.252,0.094], g[3.591,0.124]
1/1 [=====] - 0s 66ms/step
>1560, dr[0.222,0.519], df[0.082,0.087], g[3.764,0.081]
1/1 [=====] - 0s 72ms/step
>1561, dr[0.386,0.572], df[0.181,0.203], g[3.513,0.176]
1/1 [=====] - 0s 65ms/step
>1562, dr[0.447,1.026], df[0.208,0.063], g[2.637,0.116]
1/1 [=====] - 0s 73ms/step
>1563, dr[0.244,0.832], df[0.219,0.194], g[2.086,0.082]
1/1 [=====] - 0s 68ms/step
>1564, dr[0.355,0.325], df[0.241,0.268], g[2.457,0.230]
1/1 [=====] - 0s 74ms/step
>1565, dr[0.116,0.499], df[0.207,0.162], g[2.581,0.148]
1/1 [=====] - 0s 67ms/step
>1566, dr[0.180,0.282], df[0.180,0.066], g[3.045,0.271]
1/1 [=====] - 0s 74ms/step
>1567, dr[0.376,0.559], df[0.092,0.092], g[3.884,0.217]
1/1 [=====] - 0s 67ms/step
>1568, dr[0.254,1.483], df[0.049,0.036], g[3.769,0.151]
1/1 [=====] - 0s 70ms/step
>1569, dr[0.250,0.371], df[0.032,0.180], g[3.320,0.173]
1/1 [=====] - 0s 70ms/step
>1570, dr[0.191,0.590], df[0.123,0.205], g[3.012,0.194]
1/1 [=====] - 0s 75ms/step
>1571, dr[0.183,0.380], df[0.121,0.134], g[2.502,0.095]
1/1 [=====] - 0s 69ms/step
>1572, dr[0.083,0.620], df[0.312,0.179], g[2.816,0.152]
1/1 [=====] - 0s 80ms/step
>1573, dr[0.284,0.696], df[0.064,0.099], g[2.634,0.136]
1/1 [=====] - 0s 82ms/step
>1574, dr[0.197,0.339], df[0.084,0.158], g[3.997,0.121]
1/1 [=====] - 0s 72ms/step
>1575, dr[0.052,0.542], df[0.031,0.176], g[3.503,0.200]
1/1 [=====] - 0s 73ms/step
>1576, dr[0.099,0.558], df[0.050,0.185], g[3.625,0.099]
1/1 [=====] - 0s 95ms/step
>1577, dr[0.211,0.679], df[0.018,0.182], g[2.698,0.187]
1/1 [=====] - 0s 73ms/step
>1578, dr[0.052,0.938], df[0.133,0.217], g[2.398,0.111]
1/1 [=====] - 0s 66ms/step
>1579, dr[0.054,0.926], df[1.021,0.135], g[2.560,0.151]
1/1 [=====] - 0s 70ms/step
>1580, dr[0.097,0.225], df[0.302,0.113], g[3.025,0.112]
1/1 [=====] - 0s 69ms/step
>1581, dr[0.207,0.853], df[0.032,0.222], g[3.304,0.390]
1/1 [=====] - 0s 67ms/step
>1582, dr[0.272,0.546], df[0.516,0.096], g[3.194,0.504]
1/1 [=====] - 0s 69ms/step
>1583, dr[1.183,1.329], df[0.346,0.329], g[2.934,0.164]
1/1 [=====] - 0s 72ms/step
>1584, dr[0.154,0.650], df[0.380,0.180], g[2.049,0.264]
1/1 [=====] - 0s 77ms/step
>1585, dr[0.069,0.589], df[0.514,0.352], g[2.332,0.251]
1/1 [=====] - 0s 67ms/step
>1586, dr[0.088,0.303], df[0.523,0.439], g[2.594,0.237]
1/1 [=====] - 0s 76ms/step
>1587, dr[0.234,0.808], df[0.148,0.060], g[2.575,0.165]
1/1 [=====] - 0s 72ms/step
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>1588, dr[0.234,0.704], df[0.055,0.505], g[2.720,0.175]
1/1 [=====] - 0s 78ms/step
>1589, dr[0.107,0.698], df[0.283,0.198], g[2.404,0.278]
1/1 [=====] - 0s 67ms/step
>1590, dr[0.161,0.765], df[0.129,0.157], g[2.703,0.173]
1/1 [=====] - 0s 76ms/step
>1591, dr[0.186,0.730], df[0.118,0.321], g[2.770,0.178]
1/1 [=====] - 0s 68ms/step
>1592, dr[0.125,0.432], df[0.205,0.054], g[2.184,0.130]
1/1 [=====] - 0s 79ms/step
>1593, dr[0.216,0.540], df[0.488,0.067], g[2.415,0.069]
1/1 [=====] - 0s 72ms/step
>1594, dr[0.142,0.464], df[0.149,0.271], g[3.053,0.076]
1/1 [=====] - 0s 78ms/step
>1595, dr[0.237,0.613], df[0.162,0.054], g[3.534,0.102]
1/1 [=====] - 0s 70ms/step
>1596, dr[0.088,1.259], df[0.070,0.126], g[3.754,0.120]
1/1 [=====] - 0s 72ms/step
>1597, dr[0.119,0.827], df[0.093,0.062], g[2.501,0.069]
1/1 [=====] - 0s 69ms/step
>1598, dr[0.181,0.964], df[0.306,0.053], g[2.593,0.166]
1/1 [=====] - 0s 71ms/step
>1599, dr[0.076,0.896], df[0.136,0.073], g[2.438,0.084]
1/1 [=====] - 0s 68ms/step
>1600, dr[0.572,0.345], df[0.213,0.087], g[2.637,0.081]
1/1 [=====] - 0s 71ms/step
>1601, dr[0.114,0.694], df[0.158,0.078], g[2.311,0.163]
1/1 [=====] - 0s 68ms/step
>1602, dr[0.032,0.520], df[0.310,0.166], g[2.778,0.178]
1/1 [=====] - 0s 70ms/step
>1603, dr[0.919,0.605], df[0.317,0.195], g[2.537,0.061]
1/1 [=====] - 0s 69ms/step
>1604, dr[0.358,0.624], df[0.362,0.139], g[2.943,0.175]
1/1 [=====] - 0s 73ms/step
>1605, dr[0.380,0.826], df[0.239,0.193], g[3.100,0.115]
1/1 [=====] - 0s 76ms/step
>1606, dr[0.319,0.627], df[0.140,0.079], g[3.587,0.082]
1/1 [=====] - 0s 76ms/step
>1607, dr[0.287,0.419], df[0.210,0.119], g[3.567,0.240]
1/1 [=====] - 0s 71ms/step
>1608, dr[0.119,0.805], df[0.074,0.109], g[2.660,0.119]
1/1 [=====] - 0s 67ms/step
>1609, dr[0.201,0.689], df[0.036,0.094], g[2.694,0.147]
1/1 [=====] - 0s 75ms/step
>1610, dr[0.092,0.518], df[0.111,0.081], g[3.257,0.078]
1/1 [=====] - 0s 80ms/step
>1611, dr[0.222,1.062], df[0.236,0.080], g[2.695,0.223]
1/1 [=====] - 0s 94ms/step
>1612, dr[0.292,0.625], df[0.163,0.289], g[2.977,0.114]
1/1 [=====] - 0s 81ms/step
>1613, dr[0.045,0.450], df[0.094,0.162], g[3.595,0.191]
1/1 [=====] - 0s 85ms/step
>1614, dr[0.123,0.294], df[0.105,0.124], g[3.870,0.234]
1/1 [=====] - 0s 81ms/step
>1615, dr[0.186,0.581], df[0.091,0.093], g[3.467,0.178]
1/1 [=====] - 0s 88ms/step
>1616, dr[0.047,0.797], df[0.090,0.150], g[3.729,0.126]
1/1 [=====] - 0s 89ms/step
>1617, dr[0.355,0.659], df[0.253,0.151], g[3.553,0.169]
1/1 [=====] - 0s 84ms/step
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>1618, dr[0.190,1.367], df[0.049,0.138], g[3.326,0.185]
1/1 [=====] - 0s 91ms/step
>1619, dr[0.107,0.448], df[0.157,0.199], g[2.984,0.108]
1/1 [=====] - 0s 83ms/step
>1620, dr[0.078,0.709], df[0.193,0.109], g[2.509,0.116]
1/1 [=====] - 0s 79ms/step
>1621, dr[0.208,0.963], df[0.306,0.130], g[2.300,0.170]
1/1 [=====] - 0s 104ms/step
>1622, dr[0.060,0.810], df[0.152,0.171], g[1.995,0.092]
1/1 [=====] - 0s 66ms/step
>1623, dr[0.291,0.795], df[0.201,0.184], g[2.804,0.169]
1/1 [=====] - 0s 73ms/step
>1624, dr[0.160,1.182], df[0.289,0.079], g[2.668,0.123]
1/1 [=====] - 0s 75ms/step
>1625, dr[0.333,0.515], df[0.481,0.227], g[2.221,0.121]
1/1 [=====] - 0s 73ms/step
>1626, dr[0.331,1.703], df[0.582,0.140], g[2.111,0.211]
1/1 [=====] - 0s 66ms/step
>1627, dr[0.113,0.540], df[0.256,0.138], g[2.231,0.168]
1/1 [=====] - 0s 74ms/step
>1628, dr[0.242,0.369], df[0.234,0.085], g[3.125,0.070]
1/1 [=====] - 0s 72ms/step
>1629, dr[0.344,0.442], df[0.195,0.176], g[2.909,0.189]
1/1 [=====] - 0s 74ms/step
>1630, dr[0.270,0.462], df[0.195,0.186], g[2.508,0.147]
1/1 [=====] - 0s 72ms/step
>1631, dr[0.505,0.802], df[0.163,0.320], g[2.143,0.147]
1/1 [=====] - 0s 77ms/step
>1632, dr[0.133,0.778], df[0.530,0.183], g[2.202,0.150]
1/1 [=====] - 0s 71ms/step
>1633, dr[0.109,0.638], df[0.136,0.206], g[2.797,0.141]
1/1 [=====] - 0s 75ms/step
>1634, dr[0.361,0.982], df[0.074,0.147], g[1.872,0.154]
1/1 [=====] - 0s 74ms/step
>1635, dr[0.288,0.722], df[0.107,0.235], g[1.732,0.289]
1/1 [=====] - 0s 76ms/step
>1636, dr[0.088,0.556], df[0.108,0.223], g[1.782,0.193]
1/1 [=====] - 0s 78ms/step
>1637, dr[0.027,0.237], df[0.468,0.287], g[1.791,0.210]
1/1 [=====] - 0s 72ms/step
>1638, dr[0.015,0.929], df[0.091,0.420], g[1.632,0.107]
1/1 [=====] - 0s 76ms/step
>1639, dr[0.095,0.874], df[0.093,0.068], g[2.318,0.125]
1/1 [=====] - 0s 74ms/step
>1640, dr[0.854,0.892], df[0.075,0.270], g[2.119,0.176]
1/1 [=====] - 0s 80ms/step
>1641, dr[0.017,0.400], df[0.039,0.150], g[1.967,0.102]
1/1 [=====] - 0s 73ms/step
>1642, dr[0.024,0.459], df[0.112,0.099], g[1.187,0.150]
1/1 [=====] - 0s 73ms/step
>1643, dr[0.059,0.400], df[0.690,0.153], g[1.125,0.184]
1/1 [=====] - 0s 75ms/step
>1644, dr[0.065,0.397], df[0.159,0.167], g[1.929,0.232]
1/1 [=====] - 0s 69ms/step
>1645, dr[0.069,0.523], df[0.149,0.099], g[2.966,0.173]
1/1 [=====] - 0s 67ms/step
>1646, dr[0.487,0.422], df[0.153,0.291], g[3.286,0.161]
1/1 [=====] - 0s 70ms/step
>1647, dr[0.575,0.500], df[0.121,0.108], g[3.372,0.149]
1/1 [=====] - 0s 67ms/step
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>1648, dr[0.531,1.016], df[0.367,0.162], g[2.589,0.103]
1/1 [=====] - 0s 71ms/step
>1649, dr[0.082,0.339], df[0.295,0.165], g[1.573,0.142]
1/1 [=====] - 0s 73ms/step
>1650, dr[0.240,0.785], df[0.328,0.089], g[2.329,0.150]
1/1 [=====] - 0s 79ms/step
>1651, dr[0.310,0.946], df[0.534,0.280], g[2.297,0.293]
1/1 [=====] - 0s 85ms/step
>1652, dr[0.053,1.350], df[0.277,0.370], g[2.935,0.179]
1/1 [=====] - 0s 72ms/step
>1653, dr[0.462,0.611], df[0.036,0.214], g[3.571,0.350]
1/1 [=====] - 0s 74ms/step
>1654, dr[0.388,0.659], df[0.043,0.201], g[3.372,0.229]
1/1 [=====] - 0s 77ms/step
>1655, dr[0.622,1.135], df[0.088,0.422], g[2.869,0.152]
1/1 [=====] - 0s 68ms/step
>1656, dr[0.070,0.348], df[0.390,0.215], g[2.931,0.225]
1/1 [=====] - 0s 66ms/step
>1657, dr[0.146,0.613], df[0.291,0.084], g[2.578,0.122]
1/1 [=====] - 0s 68ms/step
>1658, dr[0.194,0.460], df[0.227,0.123], g[2.135,0.195]
1/1 [=====] - 0s 67ms/step
>1659, dr[0.179,0.711], df[0.205,0.115], g[3.437,0.171]
1/1 [=====] - 0s 71ms/step
>1660, dr[0.314,0.804], df[0.056,0.117], g[3.191,0.142]
1/1 [=====] - 0s 68ms/step
>1661, dr[0.088,0.676], df[0.032,0.160], g[3.014,0.097]
1/1 [=====] - 0s 67ms/step
>1662, dr[0.281,0.351], df[0.115,0.148], g[2.363,0.137]
1/1 [=====] - 0s 72ms/step
>1663, dr[0.163,0.740], df[0.280,0.398], g[2.223,0.149]
1/1 [=====] - 0s 73ms/step
>1664, dr[0.116,0.829], df[0.148,0.236], g[2.321,0.135]
1/1 [=====] - 0s 74ms/step
>1665, dr[0.162,0.468], df[0.307,0.071], g[2.573,0.245]
1/1 [=====] - 0s 69ms/step
>1666, dr[0.045,0.776], df[0.257,0.089], g[3.233,0.174]
1/1 [=====] - 0s 68ms/step
>1667, dr[0.174,0.989], df[0.031,0.194], g[3.253,0.174]
1/1 [=====] - 0s 67ms/step
>1668, dr[0.376,0.562], df[0.067,0.089], g[3.409,0.136]
1/1 [=====] - 0s 71ms/step
>1669, dr[0.206,0.883], df[0.394,0.106], g[2.545,0.140]
1/1 [=====] - 0s 67ms/step
>1670, dr[0.300,0.410], df[0.050,0.039], g[2.432,0.154]
1/1 [=====] - 0s 68ms/step
>1671, dr[0.099,0.538], df[0.459,0.123], g[2.164,0.216]
1/1 [=====] - 0s 70ms/step
>1672, dr[0.118,0.819], df[0.248,0.102], g[1.716,0.303]
1/1 [=====] - 0s 69ms/step
>1673, dr[0.166,0.732], df[0.258,0.176], g[2.691,0.186]
1/1 [=====] - 0s 71ms/step
>1674, dr[0.145,0.465], df[0.232,0.065], g[3.290,0.170]
1/1 [=====] - 0s 75ms/step
>1675, dr[0.358,0.398], df[0.212,0.137], g[2.845,0.204]
1/1 [=====] - 0s 68ms/step
>1676, dr[0.287,0.425], df[0.471,0.214], g[2.865,0.126]
1/1 [=====] - 0s 74ms/step
>1677, dr[0.133,0.842], df[0.201,0.222], g[3.337,0.204]
1/1 [=====] - 0s 72ms/step
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>1678, dr[0.325,0.628], df[0.063,0.067], g[3.393,0.131]
1/1 [=====] - 0s 80ms/step
>1679, dr[0.286,0.700], df[0.134,0.069], g[3.049,0.127]
1/1 [=====] - 0s 67ms/step
>1680, dr[0.245,0.240], df[0.150,0.139], g[2.030,0.205]
1/1 [=====] - 0s 72ms/step
>1681, dr[0.099,0.774], df[0.141,0.166], g[1.662,0.240]
1/1 [=====] - 0s 71ms/step
>1682, dr[0.028,0.574], df[0.241,0.223], g[2.022,0.261]
1/1 [=====] - 0s 74ms/step
>1683, dr[0.131,1.105], df[0.193,0.151], g[2.252,0.199]
1/1 [=====] - 0s 67ms/step
>1684, dr[0.093,0.382], df[0.080,0.085], g[2.232,0.135]
1/1 [=====] - 0s 71ms/step
>1685, dr[0.143,0.500], df[0.141,0.037], g[2.413,0.128]
1/1 [=====] - 0s 72ms/step
>1686, dr[0.043,0.501], df[0.105,0.224], g[2.767,0.122]
1/1 [=====] - 0s 76ms/step
>1687, dr[0.129,0.658], df[0.121,0.222], g[3.130,0.105]
1/1 [=====] - 0s 68ms/step
>1688, dr[0.075,0.693], df[0.100,0.172], g[2.830,0.139]
1/1 [=====] - 0s 76ms/step
>1689, dr[0.081,0.672], df[0.259,0.342], g[2.613,0.284]
1/1 [=====] - 0s 66ms/step
>1690, dr[0.314,0.463], df[0.338,0.339], g[3.025,0.135]
1/1 [=====] - 0s 76ms/step
>1691, dr[0.426,0.601], df[0.315,0.248], g[2.532,0.147]
1/1 [=====] - 0s 68ms/step
>1692, dr[0.123,0.702], df[0.112,0.233], g[3.587,0.201]
1/1 [=====] - 0s 72ms/step
>1693, dr[0.250,0.993], df[0.055,0.075], g[2.998,0.196]
1/1 [=====] - 0s 75ms/step
>1694, dr[0.299,0.666], df[0.130,0.130], g[2.901,0.246]
1/1 [=====] - 0s 74ms/step
>1695, dr[0.244,0.398], df[0.410,0.092], g[2.401,0.091]
1/1 [=====] - 0s 71ms/step
>1696, dr[0.553,0.680], df[0.172,0.147], g[2.009,0.327]
1/1 [=====] - 0s 70ms/step
>1697, dr[0.129,0.935], df[0.253,0.324], g[1.717,0.290]
1/1 [=====] - 0s 68ms/step
>1698, dr[0.147,0.419], df[0.390,0.260], g[2.058,0.155]
1/1 [=====] - 0s 66ms/step
>1699, dr[0.248,0.557], df[0.314,0.083], g[2.918,0.232]
1/1 [=====] - 0s 68ms/step
>1700, dr[0.406,0.626], df[0.121,0.065], g[2.952,0.181]
1/1 [=====] - 0s 70ms/step
>1701, dr[0.338,0.414], df[0.123,0.093], g[3.235,0.132]
1/1 [=====] - 0s 67ms/step
>1702, dr[0.186,0.726], df[0.184,0.110], g[3.658,0.109]
1/1 [=====] - 0s 69ms/step
>1703, dr[0.350,0.330], df[0.126,0.122], g[2.505,0.122]
1/1 [=====] - 0s 67ms/step
>1704, dr[0.221,0.473], df[0.153,0.214], g[2.096,0.194]
1/1 [=====] - 0s 78ms/step
>1705, dr[0.249,0.843], df[0.136,0.090], g[2.571,0.220]
1/1 [=====] - 0s 69ms/step
>1706, dr[0.063,0.740], df[0.220,0.158], g[2.071,0.149]
1/1 [=====] - 0s 81ms/step
>1707, dr[0.162,0.605], df[0.191,0.187], g[2.342,0.174]
1/1 [=====] - 0s 73ms/step
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>1708, dr[0.138,0.331], df[0.160,0.190], g[3.033,0.199]
1/1 [=====] - 0s 72ms/step
>1709, dr[0.168,0.379], df[0.170,0.123], g[3.004,0.198]
1/1 [=====] - 0s 73ms/step
>1710, dr[0.121,1.012], df[0.105,0.104], g[3.792,0.193]
1/1 [=====] - 0s 71ms/step
>1711, dr[0.281,0.816], df[0.168,0.130], g[3.590,0.213]
1/1 [=====] - 0s 73ms/step
>1712, dr[0.342,0.924], df[0.125,0.243], g[3.731,0.161]
1/1 [=====] - 0s 67ms/step
>1713, dr[0.153,0.556], df[0.171,0.039], g[2.920,0.132]
1/1 [=====] - 0s 73ms/step
>1714, dr[0.168,0.633], df[0.449,0.157], g[2.548,0.269]
1/1 [=====] - 0s 70ms/step
>1715, dr[0.182,0.850], df[0.146,0.187], g[2.481,0.150]
1/1 [=====] - 0s 72ms/step
>1716, dr[0.151,0.530], df[0.148,0.406], g[2.875,0.186]
1/1 [=====] - 0s 66ms/step
>1717, dr[0.080,0.587], df[0.107,0.116], g[2.692,0.168]
1/1 [=====] - 0s 72ms/step
>1718, dr[0.111,0.449], df[0.345,0.422], g[2.230,0.235]
1/1 [=====] - 0s 67ms/step
>1719, dr[0.188,0.305], df[0.108,0.132], g[2.455,0.153]
1/1 [=====] - 0s 73ms/step
>1720, dr[0.036,0.452], df[0.063,0.197], g[2.168,0.182]
1/1 [=====] - 0s 66ms/step
>1721, dr[0.032,0.915], df[0.186,0.425], g[2.226,0.199]
1/1 [=====] - 0s 71ms/step
>1722, dr[0.230,0.422], df[0.229,0.226], g[3.102,0.184]
1/1 [=====] - 0s 66ms/step
>1723, dr[0.179,0.878], df[0.047,0.132], g[1.950,0.217]
1/1 [=====] - 0s 74ms/step
>1724, dr[0.140,0.949], df[0.046,0.332], g[1.609,0.256]
1/1 [=====] - 0s 69ms/step
>1725, dr[0.047,0.506], df[0.052,0.220], g[2.129,0.211]
1/1 [=====] - 0s 79ms/step
>1726, dr[0.101,0.765], df[0.141,0.254], g[1.437,0.326]
1/1 [=====] - 0s 67ms/step
>1727, dr[0.055,0.460], df[0.137,0.217], g[1.768,0.248]
1/1 [=====] - 0s 74ms/step
>1728, dr[0.057,1.002], df[0.235,0.199], g[2.213,0.171]
1/1 [=====] - 0s 67ms/step
>1729, dr[0.113,0.494], df[0.022,0.111], g[2.747,0.250]
1/1 [=====] - 0s 77ms/step
>1730, dr[0.048,0.506], df[0.065,0.359], g[2.226,0.136]
1/1 [=====] - 0s 71ms/step
>1731, dr[0.110,0.439], df[0.032,0.258], g[3.461,0.314]
1/1 [=====] - 0s 73ms/step
>1732, dr[0.120,0.559], df[0.078,0.212], g[2.028,0.313]
1/1 [=====] - 0s 68ms/step
>1733, dr[0.092,0.542], df[0.151,0.183], g[1.805,0.145]
1/1 [=====] - 0s 70ms/step
>1734, dr[0.102,0.550], df[0.105,0.170], g[1.569,0.147]
1/1 [=====] - 0s 67ms/step
>1735, dr[0.072,0.712], df[0.393,0.153], g[1.231,0.215]
1/1 [=====] - 0s 71ms/step
>1736, dr[0.091,0.376], df[0.225,0.227], g[1.541,0.094]
1/1 [=====] - 0s 72ms/step
>1737, dr[0.130,0.599], df[0.024,0.355], g[2.232,0.359]
1/1 [=====] - 0s 73ms/step
```

```
>1738, dr[0.270,0.870], df[0.031,0.151], g[2.319,0.320]
1/1 [=====] - 0s 71ms/step
>1739, dr[0.322,1.284], df[0.304,0.273], g[1.719,0.373]
1/1 [=====] - 0s 74ms/step
>1740, dr[0.163,0.871], df[0.433,0.399], g[1.545,0.167]
1/1 [=====] - 0s 68ms/step
>1741, dr[0.308,1.235], df[0.288,0.176], g[2.027,0.183]
1/1 [=====] - 0s 70ms/step
>1742, dr[0.136,0.829], df[0.145,0.157], g[1.248,0.381]
1/1 [=====] - 0s 65ms/step
>1743, dr[0.110,0.921], df[0.100,0.112], g[1.452,0.378]
1/1 [=====] - 0s 72ms/step
>1744, dr[0.207,0.734], df[0.429,0.108], g[1.828,0.173]
1/1 [=====] - 0s 78ms/step
>1745, dr[0.140,1.347], df[0.032,0.265], g[2.490,0.107]
1/1 [=====] - 0s 76ms/step
>1746, dr[0.113,0.209], df[0.059,0.190], g[2.691,0.190]
1/1 [=====] - 0s 72ms/step
>1747, dr[0.393,0.752], df[0.281,0.125], g[1.898,0.209]
1/1 [=====] - 0s 74ms/step
>1748, dr[0.305,0.813], df[0.260,0.115], g[1.800,0.222]
1/1 [=====] - 0s 74ms/step
>1749, dr[0.086,0.749], df[0.202,0.191], g[2.076,0.279]
1/1 [=====] - 0s 67ms/step
>1750, dr[0.337,0.400], df[0.190,0.125], g[1.908,0.158]
1/1 [=====] - 0s 73ms/step
>1751, dr[0.156,0.532], df[0.111,0.103], g[1.402,0.183]
1/1 [=====] - 0s 69ms/step
>1752, dr[0.285,1.056], df[0.226,0.260], g[1.282,0.359]
1/1 [=====] - 0s 73ms/step
>1753, dr[0.220,0.586], df[0.543,0.175], g[1.784,0.255]
1/1 [=====] - 0s 70ms/step
>1754, dr[0.165,1.111], df[0.125,0.316], g[2.765,0.281]
1/1 [=====] - 0s 77ms/step
>1755, dr[0.753,0.834], df[0.266,0.108], g[2.574,0.159]
1/1 [=====] - 0s 70ms/step
>1756, dr[0.376,0.408], df[0.247,0.044], g[2.270,0.225]
1/1 [=====] - 0s 71ms/step
>1757, dr[0.185,0.644], df[0.230,0.111], g[2.858,0.134]
1/1 [=====] - 0s 69ms/step
>1758, dr[0.286,0.671], df[0.179,0.085], g[3.453,0.152]
1/1 [=====] - 0s 76ms/step
>1759, dr[0.193,0.588], df[0.338,0.143], g[3.613,0.111]
1/1 [=====] - 0s 68ms/step
>1760, dr[0.106,0.516], df[0.042,0.079], g[3.711,0.234]
1/1 [=====] - 0s 74ms/step
>1761, dr[0.149,0.707], df[0.175,0.108], g[3.633,0.185]
1/1 [=====] - 0s 67ms/step
>1762, dr[0.124,0.591], df[0.163,0.125], g[4.768,0.185]
1/1 [=====] - 0s 74ms/step
>1763, dr[0.449,0.740], df[0.110,0.181], g[4.727,0.307]
1/1 [=====] - 0s 67ms/step
>1764, dr[0.114,0.802], df[0.079,0.322], g[4.149,0.226]
1/1 [=====] - 0s 73ms/step
>1765, dr[0.049,0.533], df[0.088,0.072], g[3.536,0.128]
1/1 [=====] - 0s 72ms/step
>1766, dr[0.273,0.811], df[0.091,0.347], g[3.965,0.171]
1/1 [=====] - 0s 73ms/step
>1767, dr[0.125,0.374], df[0.184,0.122], g[3.483,0.130]
1/1 [=====] - 0s 84ms/step
```

```
>1768, dr[0.053,0.534], df[0.038,0.095], g[3.489,0.098]
1/1 [=====] - 0s 73ms/step
>1769, dr[0.063,0.550], df[0.276,0.089], g[4.424,0.119]
1/1 [=====] - 0s 78ms/step
>1770, dr[0.107,0.416], df[0.087,0.218], g[4.155,0.221]
1/1 [=====] - 0s 78ms/step
>1771, dr[0.052,1.043], df[0.054,0.158], g[4.411,0.140]
1/1 [=====] - 0s 77ms/step
>1772, dr[0.147,0.729], df[0.027,0.143], g[4.252,0.075]
1/1 [=====] - 0s 72ms/step
>1773, dr[0.136,0.890], df[0.128,0.063], g[3.653,0.248]
1/1 [=====] - 0s 79ms/step
>1774, dr[0.163,0.680], df[0.134,0.071], g[2.721,0.235]
1/1 [=====] - 0s 71ms/step
>1775, dr[0.028,0.713], df[0.191,0.097], g[3.441,0.163]
1/1 [=====] - 0s 81ms/step
>1776, dr[0.097,0.575], df[0.206,0.098], g[3.860,0.192]
1/1 [=====] - 0s 72ms/step
>1777, dr[0.017,1.007], df[0.081,0.079], g[4.670,0.161]
1/1 [=====] - 0s 83ms/step
>1778, dr[0.060,0.526], df[0.058,0.155], g[4.769,0.087]
1/1 [=====] - 0s 71ms/step
>1779, dr[0.178,0.733], df[0.039,0.184], g[4.360,0.134]
1/1 [=====] - 0s 79ms/step
>1780, dr[0.142,0.695], df[0.039,0.121], g[4.575,0.116]
1/1 [=====] - 0s 72ms/step
>1781, dr[0.071,0.638], df[0.013,0.076], g[3.617,0.151]
1/1 [=====] - 0s 83ms/step
>1782, dr[0.054,0.533], df[0.143,0.162], g[2.882,0.188]
1/1 [=====] - 0s 74ms/step
>1783, dr[0.065,0.772], df[0.140,0.062], g[2.800,0.165]
1/1 [=====] - 0s 83ms/step
>1784, dr[0.014,0.685], df[0.170,0.032], g[2.713,0.148]
1/1 [=====] - 0s 67ms/step
>1785, dr[0.055,0.603], df[0.045,0.107], g[3.185,0.119]
1/1 [=====] - 0s 72ms/step
>1786, dr[0.063,0.650], df[0.219,0.113], g[3.945,0.109]
1/1 [=====] - 0s 68ms/step
>1787, dr[0.080,0.796], df[0.131,0.055], g[4.515,0.066]
1/1 [=====] - 0s 71ms/step
>1788, dr[0.151,0.422], df[0.013,0.147], g[4.640,0.084]
1/1 [=====] - 0s 68ms/step
>1789, dr[0.067,0.461], df[0.040,0.114], g[4.505,0.192]
1/1 [=====] - 0s 67ms/step
>1790, dr[0.135,0.917], df[0.092,0.235], g[3.797,0.123]
1/1 [=====] - 0s 69ms/step
>1791, dr[0.058,0.465], df[0.068,0.255], g[3.714,0.173]
1/1 [=====] - 0s 67ms/step
>1792, dr[0.117,0.289], df[0.101,0.176], g[3.550,0.191]
1/1 [=====] - 0s 69ms/step
>1793, dr[0.028,0.444], df[0.092,0.178], g[3.025,0.162]
1/1 [=====] - 0s 70ms/step
>1794, dr[0.024,0.634], df[0.102,0.133], g[4.164,0.200]
1/1 [=====] - 0s 73ms/step
>1795, dr[0.025,0.781], df[0.074,0.224], g[4.100,0.236]
1/1 [=====] - 0s 66ms/step
>1796, dr[0.038,0.633], df[0.049,0.076], g[4.619,0.214]
1/1 [=====] - 0s 72ms/step
>1797, dr[0.070,0.630], df[0.027,0.176], g[5.220,0.221]
1/1 [=====] - 0s 70ms/step
```

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>1798, dr[0.369,0.730], df[0.153,0.047], g[4.522,0.280]
1/1 [=====] - 0s 71ms/step
>1799, dr[0.053,0.844], df[0.072,0.365], g[3.770,0.226]
1/1 [=====] - 0s 67ms/step
>1800, dr[0.027,0.461], df[0.041,0.249], g[3.115,0.302]
1/1 [=====] - 0s 74ms/step
>1801, dr[0.018,0.531], df[0.082,0.167], g[3.967,0.217]
1/1 [=====] - 0s 70ms/step
>1802, dr[0.049,0.620], df[0.269,0.234], g[4.261,0.190]
1/1 [=====] - 0s 76ms/step
>1803, dr[0.042,0.813], df[0.066,0.094], g[4.460,0.154]
1/1 [=====] - 0s 69ms/step
>1804, dr[0.054,1.526], df[0.034,0.105], g[5.261,0.118]
1/1 [=====] - 0s 74ms/step
>1805, dr[0.147,0.900], df[0.027,0.468], g[5.077,0.380]
1/1 [=====] - 0s 68ms/step
>1806, dr[0.157,0.683], df[0.052,0.138], g[4.749,0.200]
1/1 [=====] - 0s 79ms/step
>1807, dr[0.034,0.698], df[0.089,0.117], g[4.428,0.183]
1/1 [=====] - 0s 67ms/step
>1808, dr[0.107,0.419], df[0.190,0.415], g[3.481,0.245]
1/1 [=====] - 0s 75ms/step
>1809, dr[0.078,0.768], df[0.079,0.133], g[3.619,0.195]
1/1 [=====] - 0s 69ms/step
>1810, dr[0.088,0.331], df[0.139,0.158], g[2.953,0.173]
1/1 [=====] - 0s 72ms/step
>1811, dr[0.033,0.542], df[0.220,0.440], g[2.416,0.292]
1/1 [=====] - 0s 66ms/step
>1812, dr[0.086,0.392], df[0.153,0.037], g[2.118,0.144]
1/1 [=====] - 0s 74ms/step
>1813, dr[0.152,0.375], df[0.198,0.190], g[3.127,0.156]
1/1 [=====] - 0s 68ms/step
>1814, dr[0.083,0.730], df[0.244,0.248], g[3.306,0.104]
1/1 [=====] - 0s 73ms/step
>1815, dr[0.204,0.590], df[0.052,0.263], g[4.144,0.063]
1/1 [=====] - 0s 67ms/step
>1816, dr[0.125,0.605], df[0.111,0.085], g[3.035,0.314]
1/1 [=====] - 0s 71ms/step
>1817, dr[0.171,0.406], df[0.090,0.117], g[3.389,0.158]
1/1 [=====] - 0s 68ms/step
>1818, dr[0.151,0.946], df[0.076,0.102], g[2.538,0.111]
1/1 [=====] - 0s 73ms/step
>1819, dr[0.088,0.374], df[0.238,0.071], g[1.947,0.110]
1/1 [=====] - 0s 70ms/step
>1820, dr[0.063,0.962], df[0.233,0.169], g[2.950,0.139]
1/1 [=====] - 0s 73ms/step
>1821, dr[0.071,0.597], df[0.401,0.074], g[2.149,0.145]
1/1 [=====] - 0s 68ms/step
>1822, dr[0.180,0.586], df[0.221,0.114], g[2.330,0.200]
1/1 [=====] - 0s 72ms/step
>1823, dr[0.117,0.684], df[0.259,0.147], g[2.512,0.217]
1/1 [=====] - 0s 70ms/step
>1824, dr[0.324,0.691], df[0.338,0.173], g[1.921,0.212]
1/1 [=====] - 0s 74ms/step
>1825, dr[0.092,0.396], df[0.446,0.097], g[3.039,0.128]
1/1 [=====] - 0s 68ms/step
>1826, dr[0.166,0.493], df[0.138,0.179], g[3.332,0.170]
1/1 [=====] - 0s 73ms/step
>1827, dr[0.088,0.352], df[0.059,0.176], g[3.625,0.157]
1/1 [=====] - 0s 71ms/step
```

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>1828, dr[0.268,0.674], df[0.086,0.193], g[3.040,0.209]
1/1 [=====] - 0s 88ms/step
>1829, dr[0.247,1.069], df[0.083,0.103], g[2.393,0.240]
1/1 [=====] - 0s 74ms/step
>1830, dr[0.101,0.785], df[0.282,0.167], g[1.939,0.208]
1/1 [=====] - 0s 124ms/step
>1831, dr[0.068,0.452], df[0.313,0.168], g[2.748,0.406]
1/1 [=====] - 0s 157ms/step
>1832, dr[0.080,0.608], df[0.335,0.120], g[2.979,0.204]
1/1 [=====] - 0s 98ms/step
>1833, dr[0.055,0.936], df[0.158,0.104], g[4.771,0.113]
1/1 [=====] - 0s 78ms/step
>1834, dr[0.277,0.517], df[0.045,0.220], g[4.387,0.139]
1/1 [=====] - 0s 93ms/step
>1835, dr[0.362,0.641], df[0.111,0.079], g[4.210,0.076]
1/1 [=====] - 0s 85ms/step
>1836, dr[0.208,0.916], df[0.116,0.073], g[3.388,0.169]
1/1 [=====] - 0s 73ms/step
>1837, dr[0.131,0.756], df[0.283,0.070], g[3.096,0.286]
1/1 [=====] - 0s 72ms/step
>1838, dr[0.276,0.616], df[0.121,0.211], g[2.762,0.109]
1/1 [=====] - 0s 76ms/step
>1839, dr[0.264,0.650], df[0.247,0.111], g[2.076,0.097]
1/1 [=====] - 0s 70ms/step
>1840, dr[0.401,0.609], df[0.412,0.137], g[1.786,0.115]
1/1 [=====] - 0s 74ms/step
>1841, dr[0.365,0.951], df[0.461,0.037], g[2.002,0.184]
1/1 [=====] - 0s 89ms/step
>1842, dr[0.092,0.503], df[0.187,0.102], g[2.434,0.146]
1/1 [=====] - 0s 82ms/step
>1843, dr[0.115,0.246], df[0.188,0.047], g[2.752,0.167]
1/1 [=====] - 0s 69ms/step
>1844, dr[0.181,0.431], df[0.065,0.335], g[3.316,0.235]
1/1 [=====] - 0s 77ms/step
>1845, dr[0.357,0.900], df[0.148,0.139], g[3.552,0.278]
1/1 [=====] - 0s 77ms/step
>1846, dr[0.363,1.000], df[0.143,0.204], g[3.219,0.111]
1/1 [=====] - 0s 69ms/step
>1847, dr[0.195,0.370], df[0.307,0.115], g[2.634,0.195]
1/1 [=====] - 0s 82ms/step
>1848, dr[0.305,0.694], df[0.235,0.236], g[2.284,0.155]
1/1 [=====] - 0s 79ms/step
>1849, dr[0.085,0.717], df[0.086,0.113], g[3.450,0.170]
1/1 [=====] - 0s 80ms/step
>1850, dr[0.372,0.856], df[0.108,0.138], g[2.830,0.154]
1/1 [=====] - 0s 77ms/step
>1851, dr[0.272,0.508], df[0.208,0.139], g[3.088,0.111]
1/1 [=====] - 0s 68ms/step
>1852, dr[0.112,0.878], df[0.215,0.073], g[3.389,0.094]
1/1 [=====] - 0s 69ms/step
>1853, dr[0.181,0.417], df[0.099,0.235], g[3.681,0.138]
1/1 [=====] - 0s 68ms/step
>1854, dr[0.311,0.571], df[0.129,0.166], g[3.268,0.114]
1/1 [=====] - 0s 174ms/step
>1855, dr[0.133,0.527], df[0.109,0.230], g[3.496,0.089]
1/1 [=====] - 0s 90ms/step
>1856, dr[0.411,0.443], df[0.158,0.072], g[2.830,0.211]
1/1 [=====] - 0s 85ms/step
>1857, dr[0.059,0.692], df[0.133,0.119], g[2.600,0.118]
1/1 [=====] - 0s 89ms/step
```

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>1858, dr[0.087,0.969], df[0.160,0.316], g[2.536,0.134]
1/1 [=====] - 0s 80ms/step
>1859, dr[0.094,0.391], df[0.346,0.162], g[2.065,0.194]
1/1 [=====] - 0s 94ms/step
>1860, dr[0.143,0.583], df[0.175,0.052], g[2.502,0.191]
1/1 [=====] - 0s 87ms/step
>1861, dr[0.108,0.517], df[0.230,0.152], g[3.514,0.153]
1/1 [=====] - 0s 91ms/step
>1862, dr[0.430,0.636], df[0.139,0.164], g[3.501,0.167]
1/1 [=====] - 0s 170ms/step
>1863, dr[0.160,0.742], df[0.062,0.310], g[2.554,0.268]
1/1 [=====] - 0s 72ms/step
>1864, dr[0.124,0.413], df[0.013,0.084], g[2.558,0.264]
1/1 [=====] - 0s 85ms/step
>1865, dr[0.390,0.776], df[0.335,0.301], g[2.361,0.073]
1/1 [=====] - 0s 78ms/step
>1866, dr[0.130,0.873], df[0.274,0.196], g[1.465,0.230]
1/1 [=====] - 0s 69ms/step
>1867, dr[0.103,0.572], df[0.649,0.167], g[2.503,0.217]
1/1 [=====] - 0s 76ms/step
>1868, dr[0.047,0.661], df[0.650,0.053], g[2.072,0.229]
1/1 [=====] - 0s 78ms/step
>1869, dr[0.159,0.915], df[0.260,0.232], g[3.123,0.205]
1/1 [=====] - 0s 70ms/step
>1870, dr[0.389,0.319], df[0.214,0.395], g[3.642,0.198]
1/1 [=====] - 0s 67ms/step
>1871, dr[0.936,0.614], df[0.141,0.437], g[2.852,0.170]
1/1 [=====] - 0s 72ms/step
>1872, dr[0.377,0.845], df[0.229,0.145], g[2.135,0.188]
1/1 [=====] - 0s 71ms/step
>1873, dr[0.295,0.774], df[0.156,0.101], g[1.362,0.109]
1/1 [=====] - 0s 67ms/step
>1874, dr[0.038,0.598], df[1.131,0.255], g[1.541,0.159]
4/4 [=====] - 0s 49ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 69ms/step
>1875, dr[0.293,0.564], df[0.513,0.304], g[2.252,0.215]
1/1 [=====] - 0s 73ms/step
>1876, dr[0.189,0.456], df[0.288,0.192], g[3.843,0.131]
1/1 [=====] - 0s 93ms/step
>1877, dr[0.556,0.412], df[0.115,0.122], g[4.335,0.271]
1/1 [=====] - 0s 78ms/step
>1878, dr[0.637,0.435], df[0.136,0.068], g[4.441,0.083]
1/1 [=====] - 0s 75ms/step
>1879, dr[0.438,0.608], df[0.071,0.087], g[2.622,0.122]
1/1 [=====] - 0s 94ms/step
>1880, dr[0.149,0.461], df[0.247,0.400], g[2.689,0.100]
1/1 [=====] - 0s 99ms/step
>1881, dr[0.092,0.559], df[0.306,0.164], g[2.441,0.242]
1/1 [=====] - 0s 75ms/step
>1882, dr[0.141,0.702], df[0.257,0.176], g[2.661,0.265]
1/1 [=====] - 0s 78ms/step
>1883, dr[0.081,0.682], df[0.277,0.035], g[2.666,0.152]
1/1 [=====] - 0s 99ms/step
>1884, dr[0.071,1.130], df[0.203,0.180], g[3.080,0.209]
1/1 [=====] - 0s 74ms/step
>1885, dr[0.225,0.541], df[0.174,0.099], g[3.462,0.197]
1/1 [=====] - 0s 75ms/step

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>1886, dr[0.438,0.421], df[0.181,0.057], g[3.146,0.184]
1/1 [=====] - 0s 71ms/step
>1887, dr[0.111,0.504], df[0.198,0.107], g[2.780,0.113]
1/1 [=====] - 0s 74ms/step
>1888, dr[0.091,0.700], df[0.390,0.091], g[3.266,0.254]
1/1 [=====] - 0s 92ms/step
>1889, dr[0.205,0.568], df[0.118,0.105], g[2.849,0.141]
1/1 [=====] - 0s 74ms/step
>1890, dr[0.314,0.757], df[0.217,0.180], g[2.356,0.227]
1/1 [=====] - 0s 71ms/step
>1891, dr[0.179,0.757], df[0.204,0.171], g[2.928,0.268]
1/1 [=====] - 0s 77ms/step
>1892, dr[0.346,0.853], df[0.131,0.235], g[2.998,0.407]
1/1 [=====] - 0s 84ms/step
>1893, dr[0.380,0.832], df[0.200,0.173], g[2.401,0.331]
1/1 [=====] - 0s 71ms/step
>1894, dr[0.238,0.783], df[0.381,0.163], g[2.168,0.146]
1/1 [=====] - 0s 77ms/step
>1895, dr[0.284,0.381], df[0.287,0.105], g[2.793,0.178]
1/1 [=====] - 0s 69ms/step
>1896, dr[0.187,0.605], df[0.182,0.159], g[2.361,0.204]
1/1 [=====] - 0s 77ms/step
>1897, dr[0.377,0.688], df[0.122,0.188], g[2.664,0.250]
1/1 [=====] - 0s 89ms/step
>1898, dr[0.534,0.505], df[0.077,0.153], g[2.204,0.335]
1/1 [=====] - 0s 83ms/step
>1899, dr[0.212,0.807], df[0.350,0.107], g[2.454,0.280]
1/1 [=====] - 0s 120ms/step
>1900, dr[0.313,0.225], df[0.151,0.248], g[1.670,0.173]
1/1 [=====] - 0s 87ms/step
>1901, dr[0.082,0.408], df[0.206,0.385], g[1.853,0.260]
1/1 [=====] - 0s 74ms/step
>1902, dr[0.036,0.356], df[0.300,0.225], g[2.075,0.235]
1/1 [=====] - 0s 76ms/step
>1903, dr[0.236,0.504], df[0.201,0.327], g[2.494,0.180]
1/1 [=====] - 0s 70ms/step
>1904, dr[0.270,0.424], df[0.068,0.225], g[2.033,0.156]
1/1 [=====] - 0s 70ms/step
>1905, dr[0.116,0.662], df[0.487,0.096], g[2.005,0.260]
1/1 [=====] - 0s 67ms/step
>1906, dr[0.110,0.555], df[0.095,0.104], g[1.940,0.252]
1/1 [=====] - 0s 67ms/step
>1907, dr[0.120,0.625], df[0.046,0.240], g[1.756,0.213]
1/1 [=====] - 0s 70ms/step
>1908, dr[0.262,1.160], df[0.090,0.167], g[1.552,0.387]
1/1 [=====] - 0s 69ms/step
>1909, dr[0.269,0.233], df[0.459,0.072], g[1.649,0.297]
1/1 [=====] - 0s 78ms/step
>1910, dr[0.107,0.798], df[0.416,0.165], g[1.750,0.322]
1/1 [=====] - 0s 67ms/step
>1911, dr[0.224,1.333], df[0.522,0.112], g[1.789,0.173]
1/1 [=====] - 0s 78ms/step
>1912, dr[0.194,0.515], df[0.462,0.432], g[2.339,0.237]
1/1 [=====] - 0s 71ms/step
>1913, dr[0.079,0.777], df[0.178,0.351], g[3.601,0.381]
1/1 [=====] - 0s 75ms/step
>1914, dr[0.191,0.610], df[0.059,0.205], g[4.323,0.090]
1/1 [=====] - 0s 67ms/step
>1915, dr[0.561,0.382], df[0.122,0.105], g[3.055,0.319]
1/1 [=====] - 0s 75ms/step
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>1916, dr[0.229,0.737], df[0.138,0.237], g[2.158,0.210]
1/1 [=====] - 0s 67ms/step
>1917, dr[0.217,0.812], df[0.265,0.130], g[1.809,0.177]
1/1 [=====] - 0s 72ms/step
>1918, dr[0.152,0.644], df[0.349,0.191], g[2.068,0.346]
1/1 [=====] - 0s 68ms/step
>1919, dr[0.227,0.535], df[0.453,0.213], g[2.072,0.236]
1/1 [=====] - 0s 72ms/step
>1920, dr[0.114,0.411], df[0.470,0.204], g[2.887,0.206]
1/1 [=====] - 0s 68ms/step
>1921, dr[0.102,0.486], df[0.258,0.068], g[3.928,0.138]
1/1 [=====] - 0s 71ms/step
>1922, dr[0.448,0.711], df[0.038,0.091], g[3.383,0.148]
1/1 [=====] - 0s 66ms/step
>1923, dr[0.392,0.763], df[0.080,0.334], g[3.447,0.129]
1/1 [=====] - 0s 67ms/step
>1924, dr[0.293,0.709], df[0.259,0.059], g[2.517,0.183]
1/1 [=====] - 0s 67ms/step
>1925, dr[0.090,0.395], df[0.385,0.145], g[2.730,0.537]
1/1 [=====] - 0s 70ms/step
>1926, dr[0.375,0.397], df[0.270,0.209], g[2.098,0.361]
1/1 [=====] - 0s 75ms/step
>1927, dr[0.102,0.544], df[0.287,0.046], g[2.487,0.260]
1/1 [=====] - 0s 85ms/step
>1928, dr[0.118,0.378], df[0.313,0.377], g[2.934,0.190]
1/1 [=====] - 0s 80ms/step
>1929, dr[0.159,0.361], df[0.209,0.223], g[3.466,0.367]
1/1 [=====] - 0s 83ms/step
>1930, dr[0.604,0.827], df[0.123,0.215], g[2.931,0.135]
1/1 [=====] - 0s 73ms/step
>1931, dr[0.153,0.711], df[0.161,0.109], g[2.603,0.234]
1/1 [=====] - 0s 68ms/step
>1932, dr[0.247,0.543], df[0.197,0.085], g[1.785,0.279]
1/1 [=====] - 0s 78ms/step
>1933, dr[0.169,0.731], df[0.149,0.102], g[2.169,0.315]
1/1 [=====] - 0s 68ms/step
>1934, dr[0.141,0.561], df[0.506,0.172], g[1.983,0.200]
1/1 [=====] - 0s 73ms/step
>1935, dr[0.376,0.825], df[0.398,0.223], g[2.540,0.155]
1/1 [=====] - 0s 71ms/step
>1936, dr[0.094,0.589], df[0.200,0.196], g[2.931,0.216]
1/1 [=====] - 0s 70ms/step
>1937, dr[0.234,0.391], df[0.147,0.264], g[3.154,0.109]
1/1 [=====] - 0s 73ms/step
>1938, dr[0.363,0.466], df[0.066,0.266], g[3.357,0.198]
1/1 [=====] - 0s 88ms/step
>1939, dr[0.153,0.262], df[0.056,0.214], g[3.100,0.212]
1/1 [=====] - 0s 73ms/step
>1940, dr[0.336,0.504], df[0.190,0.075], g[1.990,0.097]
1/1 [=====] - 0s 71ms/step
>1941, dr[0.191,0.699], df[0.319,0.130], g[2.003,0.278]
1/1 [=====] - 0s 71ms/step
>1942, dr[0.170,0.982], df[0.665,0.089], g[2.130,0.301]
1/1 [=====] - 0s 69ms/step
>1943, dr[0.381,0.338], df[0.388,0.245], g[1.982,0.147]
1/1 [=====] - 0s 68ms/step
>1944, dr[0.105,0.601], df[0.168,0.155], g[2.664,0.215]
1/1 [=====] - 0s 73ms/step
>1945, dr[0.399,0.588], df[0.123,0.067], g[2.644,0.178]
1/1 [=====] - 0s 70ms/step
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>1946, dr[0.252,0.704], df[0.106,0.177], g[2.396,0.273]
1/1 [=====] - 0s 82ms/step
>1947, dr[0.270,0.909], df[0.350,0.182], g[2.208,0.139]
1/1 [=====] - 0s 76ms/step
>1948, dr[0.129,0.412], df[0.173,0.246], g[2.855,0.250]
1/1 [=====] - 0s 72ms/step
>1949, dr[0.121,0.594], df[0.195,0.243], g[2.851,0.252]
1/1 [=====] - 0s 71ms/step
>1950, dr[0.241,0.539], df[0.160,0.129], g[3.104,0.277]
1/1 [=====] - 0s 76ms/step
>1951, dr[0.223,0.603], df[0.192,0.079], g[2.550,0.163]
1/1 [=====] - 0s 74ms/step
>1952, dr[0.567,0.877], df[0.185,0.203], g[2.394,0.179]
1/1 [=====] - 0s 80ms/step
>1953, dr[0.374,0.704], df[0.663,0.282], g[1.824,0.100]
1/1 [=====] - 0s 74ms/step
>1954, dr[0.175,0.803], df[0.210,0.157], g[2.259,0.310]
1/1 [=====] - 0s 69ms/step
>1955, dr[0.223,0.577], df[0.234,0.190], g[2.371,0.257]
1/1 [=====] - 0s 76ms/step
>1956, dr[0.183,0.514], df[0.156,0.106], g[2.642,0.171]
1/1 [=====] - 0s 73ms/step
>1957, dr[0.294,0.670], df[0.129,0.260], g[3.106,0.149]
1/1 [=====] - 0s 74ms/step
>1958, dr[0.304,0.483], df[0.183,0.213], g[2.927,0.173]
1/1 [=====] - 0s 75ms/step
>1959, dr[0.219,0.786], df[0.130,0.129], g[2.346,0.155]
1/1 [=====] - 0s 72ms/step
>1960, dr[0.235,0.797], df[0.203,0.245], g[2.346,0.098]
1/1 [=====] - 0s 73ms/step
>1961, dr[0.087,0.469], df[0.255,0.195], g[2.683,0.143]
1/1 [=====] - 0s 71ms/step
>1962, dr[0.175,0.840], df[0.118,0.260], g[2.458,0.140]
1/1 [=====] - 0s 81ms/step
>1963, dr[0.304,0.785], df[0.385,0.155], g[2.483,0.178]
1/1 [=====] - 0s 71ms/step
>1964, dr[0.148,0.984], df[0.161,0.234], g[2.755,0.198]
1/1 [=====] - 0s 85ms/step
>1965, dr[0.192,0.662], df[0.149,0.079], g[2.763,0.181]
1/1 [=====] - 0s 67ms/step
>1966, dr[0.288,0.888], df[0.039,0.078], g[2.638,0.367]
1/1 [=====] - 0s 68ms/step
>1967, dr[0.154,0.340], df[0.284,0.203], g[2.375,0.257]
1/1 [=====] - 0s 69ms/step
>1968, dr[0.047,0.520], df[0.448,0.158], g[2.787,0.252]
1/1 [=====] - 0s 73ms/step
>1969, dr[0.168,0.575], df[0.187,0.098], g[2.690,0.198]
1/1 [=====] - 0s 67ms/step
>1970, dr[0.226,0.826], df[0.329,0.230], g[3.021,0.175]
1/1 [=====] - 0s 67ms/step
>1971, dr[0.428,0.859], df[0.244,0.277], g[3.192,0.180]
1/1 [=====] - 0s 68ms/step
>1972, dr[0.227,0.460], df[0.297,0.198], g[3.110,0.185]
1/1 [=====] - 0s 69ms/step
>1973, dr[0.337,0.548], df[0.053,0.148], g[2.694,0.244]
1/1 [=====] - 0s 73ms/step
>1974, dr[0.211,0.530], df[0.100,0.155], g[2.672,0.187]
1/1 [=====] - 0s 80ms/step
>1975, dr[0.270,0.322], df[0.528,0.170], g[2.291,0.193]
1/1 [=====] - 0s 81ms/step
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>1976, dr[0.189,0.507], df[0.289,0.107], g[2.168,0.148]
1/1 [=====] - 0s 78ms/step
>1977, dr[0.083,0.636], df[0.511,0.101], g[2.722,0.211]
1/1 [=====] - 0s 81ms/step
>1978, dr[0.205,0.437], df[0.160,0.126], g[4.456,0.219]
1/1 [=====] - 0s 76ms/step
>1979, dr[0.340,0.585], df[0.047,0.122], g[3.431,0.220]
1/1 [=====] - 0s 111ms/step
>1980, dr[0.708,0.592], df[0.158,0.135], g[2.920,0.164]
1/1 [=====] - 0s 75ms/step
>1981, dr[0.068,0.570], df[0.147,0.090], g[2.404,0.258]
1/1 [=====] - 0s 71ms/step
>1982, dr[0.124,0.723], df[0.331,0.151], g[1.569,0.336]
1/1 [=====] - 0s 74ms/step
>1983, dr[0.149,0.778], df[0.556,0.250], g[2.879,0.230]
1/1 [=====] - 0s 69ms/step
>1984, dr[0.247,1.048], df[0.477,0.120], g[3.125,0.193]
1/1 [=====] - 0s 72ms/step
>1985, dr[0.181,0.793], df[0.128,0.063], g[3.060,0.214]
1/1 [=====] - 0s 70ms/step
>1986, dr[0.149,1.016], df[0.176,0.088], g[3.422,0.435]
1/1 [=====] - 0s 70ms/step
>1987, dr[0.302,0.814], df[0.182,0.086], g[3.833,0.169]
1/1 [=====] - 0s 73ms/step
>1988, dr[0.203,0.503], df[0.131,0.296], g[3.476,0.203]
1/1 [=====] - 0s 71ms/step
>1989, dr[0.161,0.628], df[0.168,0.231], g[3.145,0.203]
1/1 [=====] - 0s 77ms/step
>1990, dr[0.126,0.800], df[0.200,0.167], g[3.095,0.367]
1/1 [=====] - 0s 76ms/step
>1991, dr[0.142,0.624], df[0.283,0.131], g[2.960,0.197]
1/1 [=====] - 0s 78ms/step
>1992, dr[0.115,0.260], df[0.087,0.130], g[2.351,0.147]
1/1 [=====] - 0s 69ms/step
>1993, dr[0.151,0.851], df[0.101,0.178], g[3.150,0.218]
1/1 [=====] - 0s 73ms/step
>1994, dr[0.128,0.587], df[0.205,0.226], g[2.958,0.141]
1/1 [=====] - 0s 68ms/step
>1995, dr[0.153,0.576], df[0.174,0.196], g[2.758,0.203]
1/1 [=====] - 0s 78ms/step
>1996, dr[0.148,0.656], df[0.133,0.112], g[3.001,0.233]
1/1 [=====] - 0s 70ms/step
>1997, dr[0.167,0.902], df[0.203,0.265], g[3.368,0.150]
1/1 [=====] - 0s 78ms/step
>1998, dr[0.270,0.512], df[0.153,0.273], g[3.626,0.092]
1/1 [=====] - 0s 73ms/step
>1999, dr[0.449,0.326], df[0.197,0.449], g[4.151,0.141]
1/1 [=====] - 0s 89ms/step
>2000, dr[0.115,0.938], df[0.144,0.066], g[2.915,0.152]
1/1 [=====] - 0s 70ms/step
>2001, dr[0.178,0.727], df[0.083,0.302], g[3.103,0.234]
1/1 [=====] - 0s 83ms/step
>2002, dr[0.062,0.599], df[0.165,0.322], g[2.189,0.137]
1/1 [=====] - 0s 72ms/step
>2003, dr[0.237,0.866], df[0.111,0.193], g[2.542,0.177]
1/1 [=====] - 0s 72ms/step
>2004, dr[0.203,0.344], df[0.192,0.079], g[2.494,0.255]
1/1 [=====] - 0s 73ms/step
>2005, dr[0.160,0.493], df[0.142,0.132], g[3.056,0.160]
1/1 [=====] - 0s 71ms/step
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>2006, dr[0.181,0.523], df[0.219,0.140], g[2.004,0.111]
1/1 [=====] - 0s 102ms/step
>2007, dr[0.039,0.532], df[0.352,0.155], g[2.804,0.128]
1/1 [=====] - 0s 97ms/step
>2008, dr[0.156,0.773], df[0.164,0.263], g[3.013,0.165]
1/1 [=====] - 0s 78ms/step
>2009, dr[0.065,0.976], df[0.104,0.355], g[3.248,0.176]
1/1 [=====] - 0s 84ms/step
>2010, dr[0.036,0.761], df[0.064,0.099], g[3.397,0.204]
1/1 [=====] - 0s 71ms/step
>2011, dr[0.252,0.432], df[0.016,0.255], g[3.009,0.280]
1/1 [=====] - 0s 68ms/step
>2012, dr[0.098,0.634], df[0.051,0.246], g[3.413,0.137]
1/1 [=====] - 0s 73ms/step
>2013, dr[0.135,0.433], df[0.071,0.122], g[2.673,0.118]
1/1 [=====] - 0s 67ms/step
>2014, dr[0.119,0.811], df[0.138,0.146], g[2.429,0.238]
1/1 [=====] - 0s 70ms/step
>2015, dr[0.248,0.640], df[0.235,0.119], g[3.020,0.117]
1/1 [=====] - 0s 71ms/step
>2016, dr[0.090,0.648], df[0.399,0.304], g[3.077,0.219]
1/1 [=====] - 0s 79ms/step
>2017, dr[0.146,0.452], df[0.172,0.129], g[3.169,0.189]
1/1 [=====] - 0s 71ms/step
>2018, dr[0.212,0.935], df[0.052,0.148], g[3.424,0.282]
1/1 [=====] - 0s 73ms/step
>2019, dr[0.272,0.363], df[0.148,0.121], g[2.737,0.303]
1/1 [=====] - 0s 67ms/step
>2020, dr[0.328,0.428], df[0.106,0.096], g[3.296,0.203]
1/1 [=====] - 0s 72ms/step
>2021, dr[0.307,0.600], df[0.139,0.088], g[2.608,0.210]
1/1 [=====] - 0s 68ms/step
>2022, dr[0.128,0.677], df[0.208,0.342], g[2.371,0.173]
1/1 [=====] - 0s 74ms/step
>2023, dr[0.155,0.531], df[0.233,0.118], g[2.569,0.281]
1/1 [=====] - 0s 67ms/step
>2024, dr[0.033,0.747], df[0.149,0.219], g[3.125,0.100]
1/1 [=====] - 0s 78ms/step
>2025, dr[0.200,0.703], df[0.236,0.135], g[2.833,0.197]
1/1 [=====] - 0s 67ms/step
>2026, dr[0.058,0.647], df[0.051,0.268], g[3.156,0.254]
1/1 [=====] - 0s 82ms/step
>2027, dr[0.093,0.619], df[0.115,0.137], g[4.243,0.240]
1/1 [=====] - 0s 66ms/step
>2028, dr[0.215,0.852], df[0.131,0.212], g[3.073,0.221]
1/1 [=====] - 0s 76ms/step
>2029, dr[0.310,0.558], df[0.114,0.164], g[2.951,0.174]
1/1 [=====] - 0s 66ms/step
>2030, dr[0.336,0.623], df[0.470,0.258], g[1.940,0.186]
1/1 [=====] - 0s 73ms/step
>2031, dr[0.056,0.461], df[0.314,0.182], g[2.064,0.107]
1/1 [=====] - 0s 99ms/step
>2032, dr[0.067,0.728], df[0.151,0.099], g[2.615,0.197]
1/1 [=====] - 0s 72ms/step
>2033, dr[0.096,0.910], df[0.260,0.096], g[3.011,0.322]
1/1 [=====] - 0s 72ms/step
>2034, dr[0.106,0.894], df[0.091,0.087], g[3.258,0.222]
1/1 [=====] - 0s 75ms/step
>2035, dr[0.198,0.720], df[0.022,0.059], g[3.335,0.229]
1/1 [=====] - 0s 68ms/step
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>2036, dr[0.310,0.555], df[0.127,0.091], g[3.589,0.173]
1/1 [=====] - 0s 70ms/step
>2037, dr[0.252,0.962], df[0.177,0.102], g[3.323,0.286]
1/1 [=====] - 0s 69ms/step
>2038, dr[0.158,0.394], df[0.162,0.057], g[2.753,0.165]
1/1 [=====] - 0s 69ms/step
>2039, dr[0.175,0.424], df[0.331,0.105], g[1.998,0.318]
1/1 [=====] - 0s 71ms/step
>2040, dr[0.152,0.507], df[0.315,0.166], g[2.988,0.134]
1/1 [=====] - 0s 67ms/step
>2041, dr[0.150,0.422], df[0.202,0.236], g[2.863,0.234]
1/1 [=====] - 0s 73ms/step
>2042, dr[0.299,0.677], df[0.214,0.188], g[3.470,0.233]
1/1 [=====] - 0s 68ms/step
>2043, dr[0.324,0.411], df[0.098,0.125], g[3.006,0.254]
1/1 [=====] - 0s 73ms/step
>2044, dr[0.126,0.350], df[0.112,0.172], g[2.857,0.181]
1/1 [=====] - 0s 68ms/step
>2045, dr[0.301,0.454], df[0.184,0.061], g[2.920,0.158]
1/1 [=====] - 0s 74ms/step
>2046, dr[0.188,0.604], df[0.099,0.034], g[2.276,0.215]
1/1 [=====] - 0s 68ms/step
>2047, dr[0.155,0.348], df[0.177,0.073], g[1.929,0.189]
1/1 [=====] - 0s 76ms/step
>2048, dr[0.166,0.480], df[0.340,0.141], g[2.168,0.245]
1/1 [=====] - 0s 67ms/step
>2049, dr[0.133,0.403], df[0.166,0.168], g[2.762,0.180]
1/1 [=====] - 0s 74ms/step
>2050, dr[0.091,0.399], df[0.210,0.048], g[2.908,0.081]
1/1 [=====] - 0s 67ms/step
>2051, dr[0.380,0.553], df[0.089,0.249], g[3.385,0.163]
1/1 [=====] - 0s 69ms/step
>2052, dr[0.223,0.460], df[0.096,0.082], g[2.719,0.256]
1/1 [=====] - 0s 68ms/step
>2053, dr[0.257,0.707], df[0.206,0.167], g[2.923,0.194]
1/1 [=====] - 0s 81ms/step
>2054, dr[0.078,0.605], df[0.116,0.095], g[2.596,0.244]
1/1 [=====] - 0s 75ms/step
>2055, dr[0.218,0.711], df[0.251,0.281], g[2.801,0.142]
1/1 [=====] - 0s 70ms/step
>2056, dr[0.113,0.559], df[0.394,0.088], g[3.093,0.208]
1/1 [=====] - 0s 87ms/step
>2057, dr[0.164,1.253], df[0.109,0.132], g[2.491,0.317]
1/1 [=====] - 0s 75ms/step
>2058, dr[0.159,0.465], df[0.140,0.142], g[3.116,0.179]
1/1 [=====] - 0s 80ms/step
>2059, dr[0.138,0.988], df[0.213,0.147], g[2.641,0.328]
1/1 [=====] - 0s 69ms/step
>2060, dr[0.093,0.595], df[0.058,0.179], g[3.170,0.138]
1/1 [=====] - 0s 74ms/step
>2061, dr[0.093,0.561], df[0.121,0.047], g[2.621,0.264]
1/1 [=====] - 0s 73ms/step
>2062, dr[0.424,0.765], df[0.197,0.077], g[2.563,0.121]
1/1 [=====] - 0s 68ms/step
>2063, dr[0.092,0.581], df[0.318,0.073], g[2.673,0.169]
1/1 [=====] - 0s 68ms/step
>2064, dr[0.219,1.069], df[0.078,0.110], g[3.545,0.183]
1/1 [=====] - 0s 75ms/step
>2065, dr[0.278,0.527], df[0.304,0.107], g[3.302,0.249]
1/1 [=====] - 0s 66ms/step
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>2066, dr[0.102,0.527], df[0.200,0.365], g[2.065,0.244]
1/1 [=====] - 0s 78ms/step
>2067, dr[0.179,0.262], df[0.108,0.054], g[2.588,0.189]
1/1 [=====] - 0s 71ms/step
>2068, dr[0.272,0.505], df[0.208,0.284], g[3.134,0.308]
1/1 [=====] - 0s 83ms/step
>2069, dr[0.276,0.457], df[0.226,0.225], g[2.049,0.331]
1/1 [=====] - 0s 98ms/step
>2070, dr[0.261,0.877], df[0.134,0.239], g[2.282,0.299]
1/1 [=====] - 0s 82ms/step
>2071, dr[0.104,0.781], df[0.274,0.126], g[1.839,0.197]
1/1 [=====] - 0s 84ms/step
>2072, dr[0.245,0.425], df[0.347,0.359], g[2.216,0.202]
1/1 [=====] - 0s 76ms/step
>2073, dr[0.269,0.924], df[0.031,0.336], g[2.728,0.306]
1/1 [=====] - 0s 86ms/step
>2074, dr[0.105,0.573], df[0.080,0.088], g[2.522,0.238]
1/1 [=====] - 0s 80ms/step
>2075, dr[0.139,0.748], df[0.106,0.067], g[2.126,0.278]
1/1 [=====] - 0s 73ms/step
>2076, dr[0.300,0.428], df[0.223,0.163], g[2.367,0.414]
1/1 [=====] - 0s 83ms/step
>2077, dr[0.090,0.528], df[0.242,0.248], g[2.055,0.377]
1/1 [=====] - 0s 73ms/step
>2078, dr[0.204,0.957], df[0.088,0.131], g[2.526,0.264]
1/1 [=====] - 0s 76ms/step
>2079, dr[0.117,0.541], df[0.181,0.181], g[1.731,0.198]
1/1 [=====] - 0s 73ms/step
>2080, dr[0.110,1.306], df[0.196,0.164], g[2.356,0.201]
1/1 [=====] - 0s 71ms/step
>2081, dr[0.107,0.672], df[0.193,0.157], g[2.942,0.203]
1/1 [=====] - 0s 79ms/step
>2082, dr[0.317,0.408], df[0.050,0.085], g[2.283,0.231]
1/1 [=====] - 0s 81ms/step
>2083, dr[0.107,1.078], df[0.214,0.165], g[2.066,0.138]
1/1 [=====] - 0s 78ms/step
>2084, dr[0.072,0.585], df[0.191,0.118], g[1.754,0.238]
1/1 [=====] - 0s 78ms/step
>2085, dr[0.115,0.253], df[0.114,0.099], g[2.303,0.324]
1/1 [=====] - 0s 76ms/step
>2086, dr[0.110,0.433], df[0.165,0.201], g[2.176,0.248]
1/1 [=====] - 0s 72ms/step
>2087, dr[0.158,0.719], df[0.151,0.211], g[2.731,0.414]
1/1 [=====] - 0s 76ms/step
>2088, dr[0.174,0.560], df[0.135,0.365], g[2.929,0.187]
1/1 [=====] - 0s 78ms/step
>2089, dr[0.587,0.647], df[0.101,0.156], g[1.786,0.244]
1/1 [=====] - 0s 70ms/step
>2090, dr[0.193,0.761], df[0.741,0.144], g[2.051,0.308]
1/1 [=====] - 0s 84ms/step
>2091, dr[0.164,0.707], df[0.288,0.175], g[2.635,0.224]
1/1 [=====] - 0s 79ms/step
>2092, dr[0.124,0.525], df[0.301,0.239], g[2.852,0.259]
1/1 [=====] - 0s 80ms/step
>2093, dr[0.758,1.045], df[0.184,0.230], g[3.333,0.094]
1/1 [=====] - 0s 76ms/step
>2094, dr[0.594,1.121], df[0.073,0.114], g[1.990,0.138]
1/1 [=====] - 0s 82ms/step
>2095, dr[0.169,0.414], df[0.378,0.179], g[1.594,0.276]
1/1 [=====] - 0s 85ms/step
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>2096, dr[0.065,1.013], df[0.457,0.124], g[1.370,0.274]
1/1 [=====] - 0s 78ms/step
>2097, dr[0.142,0.787], df[0.343,0.182], g[2.148,0.222]
1/1 [=====] - 0s 106ms/step
>2098, dr[0.311,0.902], df[0.286,0.285], g[2.825,0.219]
1/1 [=====] - 0s 101ms/step
>2099, dr[0.207,0.542], df[0.222,0.143], g[3.344,0.169]
1/1 [=====] - 0s 123ms/step
>2100, dr[0.182,0.595], df[0.176,0.135], g[3.139,0.202]
1/1 [=====] - 0s 73ms/step
>2101, dr[0.234,0.410], df[0.091,0.165], g[3.449,0.184]
1/1 [=====] - 0s 98ms/step
>2102, dr[0.449,0.569], df[0.156,0.086], g[2.934,0.209]
1/1 [=====] - 0s 100ms/step
>2103, dr[0.570,0.906], df[0.270,0.109], g[1.778,0.209]
1/1 [=====] - 0s 111ms/step
>2104, dr[0.058,0.725], df[0.502,0.087], g[1.902,0.203]
1/1 [=====] - 0s 87ms/step
>2105, dr[0.113,0.662], df[0.663,0.119], g[2.327,0.425]
1/1 [=====] - 0s 125ms/step
>2106, dr[0.211,0.897], df[0.299,0.153], g[3.316,0.121]
1/1 [=====] - 0s 79ms/step
>2107, dr[0.423,0.517], df[0.217,0.078], g[3.707,0.099]
1/1 [=====] - 0s 75ms/step
>2108, dr[0.452,0.463], df[0.043,0.115], g[3.592,0.152]
1/1 [=====] - 0s 81ms/step
>2109, dr[0.260,0.416], df[0.248,0.122], g[3.148,0.112]
1/1 [=====] - 0s 79ms/step
>2110, dr[0.303,0.748], df[0.195,0.214], g[2.258,0.240]
1/1 [=====] - 0s 149ms/step
>2111, dr[0.255,0.479], df[0.449,0.066], g[2.388,0.187]
1/1 [=====] - 0s 104ms/step
>2112, dr[0.147,0.492], df[0.348,0.201], g[2.646,0.171]
1/1 [=====] - 0s 76ms/step
>2113, dr[0.222,0.695], df[0.615,0.074], g[2.865,0.131]
1/1 [=====] - 0s 73ms/step
>2114, dr[0.207,0.684], df[0.156,0.059], g[3.363,0.176]
1/1 [=====] - 0s 84ms/step
>2115, dr[0.156,0.586], df[0.059,0.152], g[3.266,0.132]
1/1 [=====] - 0s 78ms/step
>2116, dr[0.246,0.695], df[0.099,0.143], g[3.584,0.182]
1/1 [=====] - 0s 80ms/step
>2117, dr[0.327,0.674], df[0.048,0.141], g[2.415,0.289]
1/1 [=====] - 0s 77ms/step
>2118, dr[0.077,0.336], df[0.381,0.084], g[1.953,0.124]
1/1 [=====] - 0s 72ms/step
>2119, dr[0.052,0.866], df[0.120,0.051], g[2.252,0.148]
1/1 [=====] - 0s 79ms/step
>2120, dr[0.071,0.437], df[0.115,0.235], g[2.139,0.248]
1/1 [=====] - 0s 74ms/step
>2121, dr[0.107,1.213], df[0.093,0.151], g[2.245,0.275]
1/1 [=====] - 0s 82ms/step
>2122, dr[0.068,0.771], df[0.174,0.256], g[2.107,0.117]
1/1 [=====] - 0s 75ms/step
>2123, dr[0.133,0.808], df[0.257,0.159], g[2.499,0.229]
1/1 [=====] - 0s 78ms/step
>2124, dr[0.102,0.662], df[0.080,0.075], g[2.824,0.111]
1/1 [=====] - 0s 70ms/step
>2125, dr[0.136,0.605], df[0.156,0.238], g[2.932,0.175]
1/1 [=====] - 0s 71ms/step
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>2126, dr[0.102,0.816], df[0.094,0.158], g[3.782,0.318]
1/1 [=====] - 0s 74ms/step
>2127, dr[0.193,0.528], df[0.032,0.136], g[3.081,0.204]
1/1 [=====] - 0s 67ms/step
>2128, dr[0.334,0.438], df[0.037,0.237], g[2.737,0.137]
1/1 [=====] - 0s 141ms/step
>2129, dr[0.097,0.907], df[0.133,0.120], g[2.022,0.143]
1/1 [=====] - 0s 120ms/step
>2130, dr[0.184,0.446], df[0.243,0.191], g[1.771,0.214]
1/1 [=====] - 0s 100ms/step
>2131, dr[0.062,0.450], df[0.318,0.083], g[1.888,0.214]
1/1 [=====] - 0s 77ms/step
>2132, dr[0.165,0.906], df[0.478,0.078], g[1.979,0.177]
1/1 [=====] - 0s 90ms/step
>2133, dr[0.122,0.323], df[0.304,0.169], g[2.690,0.190]
1/1 [=====] - 0s 69ms/step
>2134, dr[0.180,0.491], df[0.067,0.147], g[2.875,0.257]
1/1 [=====] - 0s 69ms/step
>2135, dr[0.200,0.776], df[0.044,0.102], g[4.058,0.175]
1/1 [=====] - 0s 66ms/step
>2136, dr[0.559,1.021], df[0.106,0.132], g[2.671,0.206]
1/1 [=====] - 0s 77ms/step
>2137, dr[0.190,0.693], df[0.165,0.247], g[2.371,0.200]
1/1 [=====] - 0s 74ms/step
>2138, dr[0.088,0.376], df[0.190,0.258], g[1.598,0.209]
1/1 [=====] - 0s 72ms/step
>2139, dr[0.075,0.795], df[0.503,0.205], g[2.004,0.330]
1/1 [=====] - 0s 77ms/step
>2140, dr[0.052,0.665], df[0.153,0.079], g[3.481,0.208]
1/1 [=====] - 0s 76ms/step
>2141, dr[0.173,0.554], df[0.282,0.287], g[4.087,0.182]
1/1 [=====] - 0s 79ms/step
>2142, dr[0.308,0.713], df[0.037,0.184], g[3.924,0.193]
1/1 [=====] - 0s 78ms/step
>2143, dr[0.265,0.717], df[0.073,0.115], g[4.027,0.180]
1/1 [=====] - 0s 69ms/step
>2144, dr[0.463,0.641], df[0.145,0.222], g[3.086,0.117]
1/1 [=====] - 0s 71ms/step
>2145, dr[0.179,0.826], df[0.109,0.139], g[3.513,0.147]
1/1 [=====] - 0s 70ms/step
>2146, dr[0.169,0.621], df[0.318,0.086], g[2.002,0.268]
1/1 [=====] - 0s 77ms/step
>2147, dr[0.182,0.696], df[0.614,0.143], g[2.022,0.270]
1/1 [=====] - 0s 71ms/step
>2148, dr[0.087,0.587], df[0.178,0.178], g[2.871,0.214]
1/1 [=====] - 0s 74ms/step
>2149, dr[0.196,0.542], df[0.111,0.127], g[4.338,0.072]
1/1 [=====] - 0s 73ms/step
>2150, dr[0.179,0.729], df[0.063,0.115], g[4.775,0.129]
1/1 [=====] - 0s 74ms/step
>2151, dr[0.610,0.547], df[0.068,0.085], g[4.194,0.078]
1/1 [=====] - 0s 73ms/step
>2152, dr[0.698,1.033], df[0.177,0.075], g[2.520,0.266]
1/1 [=====] - 0s 73ms/step
>2153, dr[0.045,1.251], df[0.086,0.207], g[2.492,0.209]
1/1 [=====] - 0s 79ms/step
>2154, dr[0.025,0.551], df[0.464,0.288], g[2.107,0.196]
1/1 [=====] - 0s 69ms/step
>2155, dr[0.024,0.464], df[0.296,0.201], g[3.000,0.178]
1/1 [=====] - 0s 77ms/step
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>2156, dr[0.091,0.544], df[0.202,0.061], g[3.262,0.244]
1/1 [=====] - 0s 89ms/step
>2157, dr[0.077,0.793], df[0.159,0.119], g[3.506,0.134]
1/1 [=====] - 0s 79ms/step
>2158, dr[0.253,0.480], df[0.100,0.046], g[3.996,0.110]
1/1 [=====] - 0s 76ms/step
>2159, dr[0.420,0.488], df[0.337,0.089], g[3.431,0.114]
1/1 [=====] - 0s 94ms/step
>2160, dr[0.342,0.939], df[0.348,0.040], g[3.111,0.121]
1/1 [=====] - 0s 79ms/step
>2161, dr[0.308,0.881], df[0.585,0.143], g[2.336,0.178]
1/1 [=====] - 0s 75ms/step
>2162, dr[0.177,0.575], df[0.415,0.132], g[2.358,0.096]
1/1 [=====] - 0s 74ms/step
>2163, dr[0.173,0.345], df[0.264,0.088], g[3.354,0.124]
1/1 [=====] - 0s 71ms/step
>2164, dr[0.372,0.897], df[0.318,0.132], g[3.491,0.090]
1/1 [=====] - 0s 79ms/step
>2165, dr[0.233,0.285], df[0.233,0.171], g[3.449,0.113]
1/1 [=====] - 0s 74ms/step
>2166, dr[0.396,0.504], df[0.146,0.218], g[2.672,0.119]
1/1 [=====] - 0s 72ms/step
>2167, dr[0.276,0.706], df[0.255,0.063], g[2.261,0.086]
1/1 [=====] - 0s 77ms/step
>2168, dr[0.239,0.805], df[0.349,0.538], g[2.795,0.152]
1/1 [=====] - 0s 71ms/step
>2169, dr[0.187,1.089], df[0.386,0.150], g[2.046,0.098]
1/1 [=====] - 0s 68ms/step
>2170, dr[0.355,0.474], df[0.205,0.231], g[2.557,0.160]
1/1 [=====] - 0s 75ms/step
>2171, dr[0.188,0.940], df[0.171,0.250], g[2.967,0.094]
1/1 [=====] - 0s 85ms/step
>2172, dr[0.086,0.592], df[0.096,0.148], g[3.129,0.131]
1/1 [=====] - 0s 75ms/step
>2173, dr[0.097,0.709], df[0.257,0.246], g[3.715,0.084]
1/1 [=====] - 0s 80ms/step
>2174, dr[0.071,0.722], df[0.184,0.337], g[4.167,0.124]
1/1 [=====] - 0s 78ms/step
>2175, dr[0.184,0.888], df[0.042,0.249], g[5.272,0.119]
1/1 [=====] - 0s 71ms/step
>2176, dr[0.135,1.322], df[0.075,0.058], g[4.939,0.173]
1/1 [=====] - 0s 106ms/step
>2177, dr[0.099,0.605], df[0.021,0.253], g[4.860,0.157]
1/1 [=====] - 0s 67ms/step
>2178, dr[0.146,0.997], df[0.036,0.329], g[3.435,0.132]
1/1 [=====] - 0s 81ms/step
>2179, dr[0.172,0.880], df[0.048,0.109], g[3.404,0.135]
1/1 [=====] - 0s 68ms/step
>2180, dr[0.031,0.546], df[0.185,0.244], g[2.648,0.111]
1/1 [=====] - 0s 75ms/step
>2181, dr[0.040,0.721], df[0.248,0.095], g[3.682,0.187]
1/1 [=====] - 0s 70ms/step
>2182, dr[0.033,0.491], df[0.035,0.302], g[2.472,0.250]
1/1 [=====] - 0s 78ms/step
>2183, dr[0.168,0.180], df[0.245,0.142], g[3.901,0.238]
1/1 [=====] - 0s 70ms/step
>2184, dr[0.017,0.675], df[0.109,0.178], g[2.942,0.226]
1/1 [=====] - 0s 68ms/step
>2185, dr[0.078,0.584], df[0.015,0.094], g[3.710,0.148]
1/1 [=====] - 0s 68ms/step
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>2186, dr[0.122,0.686], df[0.075,0.106], g[3.290,0.129]
1/1 [=====] - 0s 69ms/step
>2187, dr[0.269,0.625], df[0.105,0.266], g[2.314,0.117]
1/1 [=====] - 0s 75ms/step
>2188, dr[0.101,1.024], df[0.177,0.086], g[2.640,0.263]
1/1 [=====] - 0s 68ms/step
>2189, dr[0.259,0.704], df[0.234,0.172], g[2.422,0.097]
1/1 [=====] - 0s 73ms/step
>2190, dr[0.110,0.383], df[0.018,0.134], g[2.737,0.158]
1/1 [=====] - 0s 68ms/step
>2191, dr[0.086,1.069], df[0.205,0.119], g[2.955,0.138]
1/1 [=====] - 0s 74ms/step
>2192, dr[0.278,0.591], df[0.133,0.065], g[2.644,0.114]
1/1 [=====] - 0s 68ms/step
>2193, dr[0.150,0.582], df[0.055,0.059], g[2.678,0.100]
1/1 [=====] - 0s 76ms/step
>2194, dr[0.495,0.627], df[0.200,0.124], g[2.427,0.293]
1/1 [=====] - 0s 71ms/step
>2195, dr[0.504,0.341], df[0.313,0.251], g[1.726,0.152]
1/1 [=====] - 0s 75ms/step
>2196, dr[0.071,0.527], df[0.201,0.176], g[1.875,0.177]
1/1 [=====] - 0s 71ms/step
>2197, dr[0.047,0.333], df[0.210,0.135], g[2.445,0.205]
1/1 [=====] - 0s 90ms/step
>2198, dr[0.243,1.373], df[0.099,0.258], g[3.107,0.170]
1/1 [=====] - 0s 88ms/step
>2199, dr[0.100,0.395], df[0.089,0.097], g[3.076,0.220]
1/1 [=====] - 0s 73ms/step
>2200, dr[0.063,0.371], df[0.209,0.266], g[3.076,0.329]
1/1 [=====] - 0s 86ms/step
>2201, dr[0.103,0.554], df[0.233,0.095], g[3.219,0.207]
1/1 [=====] - 0s 68ms/step
>2202, dr[0.795,0.712], df[0.078,0.109], g[2.557,0.195]
1/1 [=====] - 0s 76ms/step
>2203, dr[0.046,0.580], df[0.354,0.167], g[1.801,0.163]
1/1 [=====] - 0s 70ms/step
>2204, dr[0.163,0.479], df[0.227,0.126], g[2.231,0.201]
1/1 [=====] - 0s 71ms/step
>2205, dr[0.081,0.730], df[0.344,0.173], g[2.421,0.154]
1/1 [=====] - 0s 66ms/step
>2206, dr[0.110,0.540], df[0.293,0.187], g[2.879,0.234]
1/1 [=====] - 0s 77ms/step
>2207, dr[0.277,0.612], df[0.232,0.101], g[2.962,0.217]
1/1 [=====] - 0s 68ms/step
>2208, dr[0.127,0.480], df[0.262,0.455], g[3.370,0.110]
1/1 [=====] - 0s 71ms/step
>2209, dr[0.453,0.575], df[0.259,0.192], g[3.037,0.242]
1/1 [=====] - 0s 67ms/step
>2210, dr[0.267,0.480], df[0.092,0.095], g[3.121,0.106]
1/1 [=====] - 0s 66ms/step
>2211, dr[0.477,0.237], df[0.075,0.149], g[4.107,0.109]
1/1 [=====] - 0s 74ms/step
>2212, dr[0.092,0.786], df[0.392,0.409], g[2.938,0.112]
1/1 [=====] - 0s 71ms/step
>2213, dr[0.184,0.265], df[0.105,0.168], g[2.566,0.163]
1/1 [=====] - 0s 68ms/step
>2214, dr[0.148,0.861], df[0.318,0.134], g[2.851,0.171]
1/1 [=====] - 0s 67ms/step
>2215, dr[0.234,0.525], df[0.392,0.144], g[2.347,0.215]
1/1 [=====] - 0s 74ms/step
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>2216, dr[0.443,0.874], df[0.309,0.125], g[2.206,0.196]
1/1 [=====] - 0s 68ms/step
>2217, dr[0.246,0.719], df[0.157,0.050], g[2.390,0.175]
1/1 [=====] - 0s 74ms/step
>2218, dr[1.078,0.511], df[0.153,0.070], g[1.774,0.239]
1/1 [=====] - 0s 67ms/step
>2219, dr[0.072,0.715], df[0.655,0.238], g[1.179,0.286]
1/1 [=====] - 0s 79ms/step
>2220, dr[0.090,0.635], df[0.589,0.230], g[1.683,0.211]
1/1 [=====] - 0s 67ms/step
>2221, dr[0.071,0.700], df[0.330,0.180], g[2.683,0.086]
1/1 [=====] - 0s 80ms/step
>2222, dr[0.052,0.530], df[0.217,0.134], g[2.640,0.245]
1/1 [=====] - 0s 67ms/step
>2223, dr[0.222,0.970], df[0.093,0.078], g[3.568,0.144]
1/1 [=====] - 0s 79ms/step
>2224, dr[0.670,0.632], df[0.067,0.083], g[3.693,0.128]
1/1 [=====] - 0s 69ms/step
>2225, dr[0.653,0.620], df[0.369,0.131], g[2.532,0.227]
1/1 [=====] - 0s 67ms/step
>2226, dr[0.135,1.464], df[0.301,0.135], g[2.466,0.101]
1/1 [=====] - 0s 67ms/step
>2227, dr[0.104,0.383], df[0.305,0.431], g[2.377,0.173]
1/1 [=====] - 0s 69ms/step
>2228, dr[0.113,0.887], df[0.220,0.252], g[2.230,0.145]
1/1 [=====] - 0s 67ms/step
>2229, dr[0.094,0.467], df[0.073,0.107], g[2.969,0.216]
1/1 [=====] - 0s 67ms/step
>2230, dr[0.076,0.595], df[0.087,0.097], g[2.871,0.172]
1/1 [=====] - 0s 70ms/step
>2231, dr[0.108,0.485], df[0.127,0.067], g[3.122,0.142]
1/1 [=====] - 0s 74ms/step
>2232, dr[0.140,0.856], df[0.116,0.142], g[3.538,0.123]
1/1 [=====] - 0s 75ms/step
>2233, dr[0.156,0.423], df[0.158,0.195], g[3.332,0.099]
1/1 [=====] - 0s 67ms/step
>2234, dr[0.378,1.376], df[0.050,0.059], g[3.311,0.372]
1/1 [=====] - 0s 72ms/step
>2235, dr[0.165,0.654], df[0.372,0.081], g[3.310,0.192]
1/1 [=====] - 0s 74ms/step
>2236, dr[0.122,0.552], df[0.401,0.127], g[3.528,0.180]
1/1 [=====] - 0s 76ms/step
>2237, dr[0.118,0.988], df[0.185,0.198], g[3.862,0.280]
1/1 [=====] - 0s 72ms/step
>2238, dr[0.162,0.692], df[0.216,0.282], g[3.374,0.215]
1/1 [=====] - 0s 74ms/step
>2239, dr[0.364,0.406], df[0.175,0.115], g[3.627,0.121]
1/1 [=====] - 0s 68ms/step
>2240, dr[0.182,1.150], df[0.309,0.212], g[3.047,0.223]
1/1 [=====] - 0s 79ms/step
>2241, dr[0.168,0.678], df[0.170,0.269], g[3.448,0.264]
1/1 [=====] - 0s 69ms/step
>2242, dr[0.242,0.373], df[0.315,0.186], g[3.706,0.143]
1/1 [=====] - 0s 77ms/step
>2243, dr[0.237,0.428], df[0.130,0.071], g[3.575,0.094]
1/1 [=====] - 0s 69ms/step
>2244, dr[0.191,0.458], df[0.151,0.108], g[2.704,0.213]
1/1 [=====] - 0s 81ms/step
>2245, dr[0.244,0.664], df[0.103,0.268], g[2.804,0.258]
1/1 [=====] - 0s 69ms/step
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>2246, dr[0.219,1.083], df[0.339,0.073], g[2.412,0.145]
1/1 [=====] - 0s 77ms/step
>2247, dr[0.192,0.648], df[0.283,0.137], g[2.458,0.164]
1/1 [=====] - 0s 72ms/step
>2248, dr[0.146,0.793], df[0.202,0.115], g[3.015,0.118]
1/1 [=====] - 0s 74ms/step
>2249, dr[0.102,0.533], df[0.263,0.093], g[2.852,0.164]
1/1 [=====] - 0s 69ms/step
>2250, dr[0.208,0.568], df[0.169,0.143], g[3.893,0.167]
1/1 [=====] - 0s 75ms/step
>2251, dr[0.320,0.446], df[0.095,0.191], g[3.389,0.231]
1/1 [=====] - 0s 68ms/step
>2252, dr[0.500,0.853], df[0.173,0.108], g[2.606,0.217]
1/1 [=====] - 0s 74ms/step
>2253, dr[0.129,0.643], df[0.158,0.254], g[2.934,0.076]
1/1 [=====] - 0s 73ms/step
>2254, dr[0.178,0.807], df[0.207,0.218], g[3.681,0.152]
1/1 [=====] - 0s 74ms/step
>2255, dr[0.149,0.604], df[0.172,0.192], g[2.717,0.151]
1/1 [=====] - 0s 75ms/step
>2256, dr[0.166,0.774], df[0.179,0.240], g[3.138,0.134]
1/1 [=====] - 0s 68ms/step
>2257, dr[0.230,0.801], df[0.099,0.145], g[2.632,0.208]
1/1 [=====] - 0s 78ms/step
>2258, dr[0.158,0.603], df[0.168,0.173], g[2.818,0.113]
1/1 [=====] - 0s 68ms/step
>2259, dr[0.110,0.537], df[0.113,0.234], g[2.267,0.168]
1/1 [=====] - 0s 74ms/step
>2260, dr[0.202,0.444], df[0.141,0.145], g[2.004,0.174]
1/1 [=====] - 0s 79ms/step
>2261, dr[0.150,0.792], df[0.056,0.231], g[2.843,0.079]
1/1 [=====] - 0s 81ms/step
>2262, dr[0.069,0.217], df[0.072,0.087], g[1.990,0.115]
1/1 [=====] - 0s 75ms/step
>2263, dr[0.152,0.642], df[0.127,0.207], g[1.860,0.210]
1/1 [=====] - 0s 74ms/step
>2264, dr[0.158,0.876], df[0.202,0.087], g[1.844,0.184]
1/1 [=====] - 0s 70ms/step
>2265, dr[0.038,1.104], df[0.620,0.165], g[1.921,0.071]
1/1 [=====] - 0s 77ms/step
>2266, dr[0.122,0.797], df[0.149,0.110], g[2.258,0.098]
1/1 [=====] - 0s 84ms/step
>2267, dr[0.158,0.548], df[0.124,0.075], g[2.750,0.142]
1/1 [=====] - 0s 73ms/step
>2268, dr[0.147,0.836], df[0.162,0.079], g[2.528,0.162]
1/1 [=====] - 0s 79ms/step
>2269, dr[0.485,1.189], df[0.093,0.256], g[2.007,0.254]
1/1 [=====] - 0s 74ms/step
>2270, dr[0.077,0.371], df[0.223,0.179], g[2.610,0.165]
1/1 [=====] - 0s 83ms/step
>2271, dr[0.221,0.792], df[0.296,0.051], g[2.554,0.221]
1/1 [=====] - 0s 79ms/step
>2272, dr[0.102,0.624], df[0.321,0.125], g[2.177,0.086]
1/1 [=====] - 0s 78ms/step
>2273, dr[0.080,0.659], df[0.077,0.126], g[2.774,0.179]
1/1 [=====] - 0s 85ms/step
>2274, dr[0.138,0.871], df[0.250,0.178], g[2.854,0.212]
1/1 [=====] - 0s 77ms/step
>2275, dr[0.182,1.008], df[0.075,0.417], g[3.359,0.143]
1/1 [=====] - 0s 74ms/step
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>2276, dr[0.154,0.517], df[0.223,0.207], g[3.414,0.231]
1/1 [=====] - 0s 71ms/step
>2277, dr[0.210,0.408], df[0.179,0.109], g[2.997,0.219]
1/1 [=====] - 0s 71ms/step
>2278, dr[0.170,0.425], df[0.106,0.163], g[3.936,0.263]
1/1 [=====] - 0s 80ms/step
>2279, dr[0.080,0.889], df[0.175,0.160], g[3.860,0.211]
1/1 [=====] - 0s 89ms/step
>2280, dr[0.106,0.543], df[0.297,0.081], g[4.412,0.090]
1/1 [=====] - 0s 101ms/step
>2281, dr[0.036,0.706], df[0.099,0.359], g[3.897,0.494]
1/1 [=====] - 0s 88ms/step
>2282, dr[0.328,0.499], df[0.091,0.241], g[5.091,0.153]
1/1 [=====] - 0s 90ms/step
>2283, dr[0.207,0.725], df[0.081,0.132], g[4.651,0.190]
1/1 [=====] - 0s 108ms/step
>2284, dr[0.054,1.102], df[0.035,0.129], g[4.344,0.118]
1/1 [=====] - 0s 112ms/step
>2285, dr[0.350,0.948], df[0.075,0.277], g[3.821,0.233]
1/1 [=====] - 0s 89ms/step
>2286, dr[0.107,0.649], df[0.127,0.062], g[3.312,0.183]
1/1 [=====] - 0s 117ms/step
>2287, dr[0.069,0.619], df[0.076,0.177], g[3.248,0.158]
1/1 [=====] - 0s 99ms/step
>2288, dr[0.095,0.309], df[0.180,0.109], g[3.060,0.238]
1/1 [=====] - 0s 86ms/step
>2289, dr[0.086,0.556], df[0.234,0.177], g[3.527,0.176]
1/1 [=====] - 0s 91ms/step
>2290, dr[0.054,0.824], df[0.343,0.229], g[2.425,0.275]
1/1 [=====] - 0s 93ms/step
>2291, dr[0.023,0.620], df[0.124,0.150], g[3.929,0.152]
1/1 [=====] - 0s 96ms/step
>2292, dr[0.242,0.842], df[0.211,0.193], g[4.223,0.141]
1/1 [=====] - 0s 84ms/step
>2293, dr[0.252,0.588], df[0.152,0.073], g[4.871,0.191]
1/1 [=====] - 0s 88ms/step
>2294, dr[0.362,1.175], df[0.144,0.159], g[4.684,0.212]
1/1 [=====] - 0s 84ms/step
>2295, dr[0.327,0.323], df[0.132,0.215], g[3.720,0.148]
1/1 [=====] - 0s 89ms/step
>2296, dr[0.386,0.726], df[0.213,0.212], g[2.695,0.213]
1/1 [=====] - 0s 129ms/step
>2297, dr[0.107,0.651], df[0.221,0.301], g[2.043,0.208]
1/1 [=====] - 0s 93ms/step
>2298, dr[0.077,0.603], df[0.320,0.372], g[2.002,0.193]
1/1 [=====] - 0s 83ms/step
>2299, dr[0.177,0.597], df[0.183,0.127], g[2.073,0.153]
1/1 [=====] - 0s 84ms/step
>2300, dr[0.091,0.720], df[0.635,0.134], g[2.725,0.245]
1/1 [=====] - 0s 92ms/step
>2301, dr[0.144,0.906], df[0.341,0.179], g[4.264,0.216]
1/1 [=====] - 0s 92ms/step
>2302, dr[0.045,0.999], df[0.239,0.183], g[4.087,0.104]
1/1 [=====] - 0s 102ms/step
>2303, dr[0.288,0.664], df[0.021,0.281], g[4.286,0.321]
1/1 [=====] - 0s 91ms/step
>2304, dr[0.542,0.312], df[0.026,0.066], g[4.327,0.180]
1/1 [=====] - 0s 90ms/step
>2305, dr[0.463,0.214], df[0.087,0.158], g[2.806,0.164]
1/1 [=====] - 0s 87ms/step
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>2306, dr[0.094,0.610], df[0.215,0.069], g[2.930,0.262]
1/1 [=====] - 0s 82ms/step
>2307, dr[0.164,0.740], df[0.372,0.111], g[1.660,0.256]
1/1 [=====] - 0s 87ms/step
>2308, dr[0.091,0.650], df[0.544,0.134], g[1.702,0.223]
1/1 [=====] - 0s 87ms/step
>2309, dr[0.102,0.491], df[0.266,0.132], g[2.581,0.211]
1/1 [=====] - 0s 84ms/step
>2310, dr[0.074,0.514], df[0.104,0.195], g[3.784,0.165]
1/1 [=====] - 0s 94ms/step
>2311, dr[0.386,0.286], df[0.147,0.148], g[3.465,0.269]
1/1 [=====] - 0s 90ms/step
>2312, dr[0.356,0.775], df[0.240,0.178], g[2.362,0.206]
1/1 [=====] - 0s 93ms/step
>2313, dr[0.639,0.724], df[0.203,0.283], g[3.213,0.234]
1/1 [=====] - 0s 89ms/step
>2314, dr[0.385,1.026], df[0.384,0.270], g[2.292,0.310]
1/1 [=====] - 0s 87ms/step
>2315, dr[0.274,0.560], df[0.483,0.235], g[1.564,0.232]
1/1 [=====] - 0s 91ms/step
>2316, dr[0.103,0.763], df[0.491,0.072], g[2.384,0.289]
1/1 [=====] - 0s 83ms/step
>2317, dr[0.131,0.853], df[0.229,0.143], g[2.712,0.264]
1/1 [=====] - 0s 83ms/step
>2318, dr[0.275,0.377], df[0.120,0.074], g[2.980,0.161]
1/1 [=====] - 0s 93ms/step
>2319, dr[0.161,0.513], df[0.080,0.111], g[2.844,0.134]
1/1 [=====] - 0s 72ms/step
>2320, dr[0.349,0.520], df[0.087,0.130], g[2.944,0.163]
1/1 [=====] - 0s 73ms/step
>2321, dr[0.281,1.102], df[0.338,0.212], g[2.350,0.222]
1/1 [=====] - 0s 80ms/step
>2322, dr[0.381,0.973], df[0.339,0.085], g[2.041,0.185]
1/1 [=====] - 0s 74ms/step
>2323, dr[0.447,0.498], df[0.587,0.127], g[1.938,0.150]
1/1 [=====] - 0s 71ms/step
>2324, dr[0.375,0.822], df[0.356,0.342], g[1.500,0.169]
1/1 [=====] - 0s 82ms/step
>2325, dr[0.058,1.084], df[0.471,0.091], g[1.808,0.251]
1/1 [=====] - 0s 73ms/step
>2326, dr[0.069,0.806], df[0.365,0.100], g[2.076,0.195]
1/1 [=====] - 0s 87ms/step
>2327, dr[0.559,0.642], df[0.238,0.237], g[2.572,0.231]
1/1 [=====] - 0s 76ms/step
>2328, dr[0.342,0.553], df[0.392,0.330], g[2.307,0.241]
1/1 [=====] - 0s 72ms/step
>2329, dr[0.485,0.785], df[0.239,0.335], g[2.775,0.166]
1/1 [=====] - 0s 73ms/step
>2330, dr[0.318,0.519], df[0.087,0.196], g[2.675,0.287]
1/1 [=====] - 0s 67ms/step
>2331, dr[0.229,0.859], df[0.086,0.280], g[2.566,0.215]
1/1 [=====] - 0s 72ms/step
>2332, dr[0.231,0.729], df[0.172,0.138], g[1.777,0.322]
1/1 [=====] - 0s 71ms/step
>2333, dr[0.076,0.702], df[0.103,0.254], g[1.730,0.320]
1/1 [=====] - 0s 78ms/step
>2334, dr[0.103,0.777], df[0.151,0.113], g[1.457,0.225]
1/1 [=====] - 0s 80ms/step
>2335, dr[0.091,0.301], df[0.153,0.239], g[1.891,0.267]
1/1 [=====] - 0s 96ms/step
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>2336, dr[0.067,0.405], df[0.387,0.236], g[2.143,0.263]
1/1 [=====] - 0s 73ms/step
>2337, dr[0.258,0.621], df[0.161,0.273], g[1.827,0.138]
1/1 [=====] - 0s 71ms/step
>2338, dr[0.107,0.656], df[0.149,0.225], g[3.191,0.266]
1/1 [=====] - 0s 72ms/step
>2339, dr[0.143,0.912], df[0.277,0.400], g[2.787,0.242]
1/1 [=====] - 0s 70ms/step
>2340, dr[0.108,0.809], df[0.096,0.183], g[3.751,0.265]
1/1 [=====] - 0s 73ms/step
>2341, dr[0.482,0.284], df[0.069,0.159], g[3.234,0.284]
1/1 [=====] - 0s 71ms/step
>2342, dr[0.380,0.437], df[0.169,0.316], g[3.059,0.238]
1/1 [=====] - 0s 80ms/step
>2343, dr[0.177,0.504], df[0.259,0.127], g[2.197,0.118]
1/1 [=====] - 0s 70ms/step
>2344, dr[0.213,0.956], df[0.334,0.242], g[2.489,0.344]
1/1 [=====] - 0s 80ms/step
>2345, dr[0.073,0.471], df[0.291,0.112], g[2.072,0.271]
1/1 [=====] - 0s 70ms/step
>2346, dr[0.188,0.593], df[0.197,0.124], g[2.162,0.321]
1/1 [=====] - 0s 77ms/step
>2347, dr[0.151,0.405], df[0.215,0.195], g[1.976,0.294]
1/1 [=====] - 0s 78ms/step
>2348, dr[0.131,0.584], df[0.251,0.310], g[2.841,0.327]
1/1 [=====] - 0s 75ms/step
>2349, dr[0.207,0.564], df[0.108,0.292], g[2.181,0.195]
1/1 [=====] - 0s 72ms/step
>2350, dr[0.319,0.642], df[0.382,0.392], g[2.449,0.311]
1/1 [=====] - 0s 77ms/step
>2351, dr[0.217,0.535], df[0.122,0.171], g[2.935,0.208]
1/1 [=====] - 0s 73ms/step
>2352, dr[0.113,0.887], df[0.104,0.202], g[2.864,0.355]
1/1 [=====] - 0s 76ms/step
>2353, dr[0.207,0.770], df[0.066,0.180], g[2.567,0.165]
1/1 [=====] - 0s 84ms/step
>2354, dr[0.198,0.887], df[0.141,0.133], g[2.232,0.247]
1/1 [=====] - 0s 77ms/step
>2355, dr[0.186,0.862], df[0.346,0.184], g[2.744,0.177]
1/1 [=====] - 0s 78ms/step
>2356, dr[0.055,0.721], df[0.293,0.200], g[2.473,0.215]
1/1 [=====] - 0s 76ms/step
>2357, dr[0.283,0.555], df[0.181,0.179], g[3.077,0.282]
1/1 [=====] - 0s 84ms/step
>2358, dr[0.249,0.419], df[0.076,0.203], g[2.978,0.206]
1/1 [=====] - 0s 77ms/step
>2359, dr[0.168,0.918], df[0.287,0.172], g[2.745,0.229]
1/1 [=====] - 0s 76ms/step
>2360, dr[0.254,0.370], df[0.345,0.238], g[2.791,0.209]
1/1 [=====] - 0s 103ms/step
>2361, dr[0.434,0.717], df[0.117,0.290], g[3.099,0.150]
1/1 [=====] - 0s 86ms/step
>2362, dr[0.193,0.930], df[0.091,0.159], g[3.136,0.235]
1/1 [=====] - 0s 83ms/step
>2363, dr[0.194,0.535], df[0.246,0.096], g[2.689,0.174]
1/1 [=====] - 0s 78ms/step
>2364, dr[0.070,0.264], df[0.109,0.059], g[3.219,0.251]
1/1 [=====] - 0s 77ms/step
>2365, dr[0.061,0.472], df[0.135,0.178], g[2.545,0.137]
1/1 [=====] - 0s 84ms/step
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>2366, dr[0.116,0.576], df[0.218,0.118], g[3.169,0.273]
1/1 [=====] - 0s 73ms/step
>2367, dr[0.194,0.857], df[0.166,0.229], g[3.484,0.207]
1/1 [=====] - 0s 76ms/step
>2368, dr[0.234,0.639], df[0.138,0.113], g[3.187,0.144]
1/1 [=====] - 0s 77ms/step
>2369, dr[0.157,0.792], df[0.141,0.359], g[3.096,0.103]
1/1 [=====] - 0s 83ms/step
>2370, dr[0.033,0.456], df[0.182,0.099], g[2.905,0.237]
1/1 [=====] - 0s 72ms/step
>2371, dr[0.187,0.460], df[0.116,0.149], g[3.590,0.288]
1/1 [=====] - 0s 72ms/step
>2372, dr[0.099,0.821], df[0.200,0.214], g[3.781,0.131]
1/1 [=====] - 0s 76ms/step
>2373, dr[0.136,0.538], df[0.077,0.244], g[3.167,0.127]
1/1 [=====] - 0s 72ms/step
>2374, dr[0.123,1.236], df[0.147,0.128], g[2.628,0.174]
1/1 [=====] - 0s 77ms/step
>2375, dr[0.251,0.524], df[0.092,0.192], g[2.648,0.071]
1/1 [=====] - 0s 72ms/step
>2376, dr[0.204,0.911], df[0.365,0.105], g[2.276,0.152]
1/1 [=====] - 0s 81ms/step
>2377, dr[0.220,0.566], df[0.187,0.116], g[2.310,0.141]
1/1 [=====] - 0s 73ms/step
>2378, dr[0.051,0.492], df[0.294,0.135], g[2.401,0.221]
1/1 [=====] - 0s 79ms/step
>2379, dr[0.116,0.845], df[0.151,0.163], g[2.435,0.438]
1/1 [=====] - 0s 73ms/step
>2380, dr[0.069,0.505], df[0.109,0.157], g[2.161,0.121]
1/1 [=====] - 0s 70ms/step
>2381, dr[0.065,1.879], df[0.076,0.181], g[2.344,0.209]
1/1 [=====] - 0s 78ms/step
>2382, dr[0.080,0.704], df[0.219,0.137], g[2.382,0.154]
1/1 [=====] - 0s 69ms/step
>2383, dr[0.472,1.044], df[0.195,0.242], g[2.144,0.158]
1/1 [=====] - 0s 82ms/step
>2384, dr[0.121,0.673], df[0.248,0.056], g[2.557,0.288]
1/1 [=====] - 0s 90ms/step
>2385, dr[0.125,0.481], df[0.124,0.195], g[2.383,0.286]
1/1 [=====] - 0s 68ms/step
>2386, dr[0.063,0.841], df[0.460,0.224], g[2.958,0.242]
1/1 [=====] - 0s 70ms/step
>2387, dr[0.149,0.588], df[0.065,0.196], g[2.753,0.274]
1/1 [=====] - 0s 74ms/step
>2388, dr[0.129,0.520], df[0.052,0.090], g[3.431,0.171]
1/1 [=====] - 0s 74ms/step
>2389, dr[0.196,0.430], df[0.152,0.099], g[3.882,0.152]
1/1 [=====] - 0s 68ms/step
>2390, dr[0.189,0.728], df[0.137,0.102], g[3.790,0.139]
1/1 [=====] - 0s 78ms/step
>2391, dr[0.440,0.644], df[0.090,0.134], g[2.864,0.131]
1/1 [=====] - 0s 66ms/step
>2392, dr[0.076,0.631], df[0.156,0.119], g[2.525,0.280]
1/1 [=====] - 0s 75ms/step
>2393, dr[0.101,0.538], df[0.254,0.232], g[2.688,0.118]
1/1 [=====] - 0s 67ms/step
>2394, dr[0.226,1.179], df[0.179,0.121], g[2.903,0.214]
1/1 [=====] - 0s 81ms/step
>2395, dr[0.086,0.586], df[0.226,0.140], g[2.534,0.093]
1/1 [=====] - 0s 68ms/step
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>2396, dr[0.222,1.434], df[0.240,0.122], g[2.904,0.128]
1/1 [=====] - 0s 76ms/step
>2397, dr[0.180,0.677], df[0.207,0.242], g[3.165,0.168]
1/1 [=====] - 0s 68ms/step
>2398, dr[0.181,1.178], df[0.036,0.163], g[3.401,0.206]
1/1 [=====] - 0s 74ms/step
>2399, dr[0.389,0.707], df[0.168,0.147], g[3.213,0.225]
1/1 [=====] - 0s 69ms/step
>2400, dr[0.269,0.730], df[0.292,0.333], g[2.575,0.168]
1/1 [=====] - 0s 71ms/step
>2401, dr[0.425,0.490], df[0.369,0.171], g[2.940,0.238]
1/1 [=====] - 0s 73ms/step
>2402, dr[0.044,0.333], df[0.164,0.303], g[2.881,0.234]
1/1 [=====] - 0s 70ms/step
>2403, dr[0.086,0.530], df[0.197,0.197], g[3.786,0.188]
1/1 [=====] - 0s 72ms/step
>2404, dr[0.169,0.432], df[0.127,0.250], g[3.633,0.225]
1/1 [=====] - 0s 67ms/step
>2405, dr[0.258,0.462], df[0.087,0.126], g[3.422,0.129]
1/1 [=====] - 0s 70ms/step
>2406, dr[0.254,0.577], df[0.047,0.104], g[3.304,0.120]
1/1 [=====] - 0s 68ms/step
>2407, dr[0.347,0.692], df[0.171,0.208], g[3.096,0.176]
1/1 [=====] - 0s 68ms/step
>2408, dr[0.314,0.493], df[0.079,0.123], g[2.800,0.160]
1/1 [=====] - 0s 68ms/step
>2409, dr[0.190,0.510], df[0.632,0.246], g[2.111,0.143]
1/1 [=====] - 0s 79ms/step
>2410, dr[0.214,1.153], df[0.125,0.076], g[2.016,0.145]
1/1 [=====] - 0s 74ms/step
>2411, dr[0.094,0.705], df[0.210,0.051], g[2.259,0.224]
1/1 [=====] - 0s 77ms/step
>2412, dr[0.045,0.574], df[0.243,0.115], g[2.078,0.171]
1/1 [=====] - 0s 74ms/step
>2413, dr[0.101,0.728], df[0.163,0.203], g[2.682,0.141]
1/1 [=====] - 0s 69ms/step
>2414, dr[0.097,0.744], df[0.515,0.150], g[3.417,0.186]
1/1 [=====] - 0s 83ms/step
>2415, dr[0.219,0.471], df[0.105,0.057], g[3.924,0.140]
1/1 [=====] - 0s 85ms/step
>2416, dr[0.356,0.640], df[0.075,0.109], g[3.588,0.165]
1/1 [=====] - 0s 75ms/step
>2417, dr[0.176,0.380], df[0.075,0.094], g[3.442,0.157]
1/1 [=====] - 0s 78ms/step
>2418, dr[0.102,0.862], df[0.121,0.158], g[3.263,0.178]
1/1 [=====] - 0s 69ms/step
>2419, dr[0.247,0.662], df[0.073,0.094], g[3.763,0.195]
1/1 [=====] - 0s 68ms/step
>2420, dr[0.216,0.473], df[0.389,0.149], g[2.797,0.108]
1/1 [=====] - 0s 71ms/step
>2421, dr[0.168,0.700], df[0.177,0.155], g[3.065,0.083]
1/1 [=====] - 0s 68ms/step
>2422, dr[0.075,0.879], df[0.461,0.220], g[2.982,0.061]
1/1 [=====] - 0s 73ms/step
>2423, dr[0.094,0.360], df[0.364,0.202], g[2.979,0.075]
1/1 [=====] - 0s 73ms/step
>2424, dr[0.092,0.546], df[0.214,0.134], g[3.486,0.173]
1/1 [=====] - 0s 76ms/step
>2425, dr[0.288,0.702], df[0.093,0.144], g[3.418,0.052]
1/1 [=====] - 0s 70ms/step
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>2426, dr[0.300,0.978], df[0.088,0.110], g[3.847,0.069]
1/1 [=====] - 0s 73ms/step
>2427, dr[0.412,0.626], df[0.194,0.078], g[3.236,0.116]
1/1 [=====] - 0s 71ms/step
>2428, dr[0.213,0.739], df[0.268,0.142], g[2.426,0.123]
1/1 [=====] - 0s 76ms/step
>2429, dr[0.185,0.664], df[0.286,0.091], g[2.204,0.132]
1/1 [=====] - 0s 72ms/step
>2430, dr[0.173,0.668], df[0.323,0.082], g[2.311,0.090]
1/1 [=====] - 0s 74ms/step
>2431, dr[0.048,1.182], df[0.320,0.098], g[2.974,0.104]
1/1 [=====] - 0s 69ms/step
>2432, dr[0.213,0.850], df[0.186,0.278], g[3.364,0.075]
1/1 [=====] - 0s 73ms/step
>2433, dr[0.092,0.662], df[0.170,0.095], g[3.563,0.201]
1/1 [=====] - 0s 68ms/step
>2434, dr[0.064,0.633], df[0.099,0.149], g[3.753,0.144]
1/1 [=====] - 0s 72ms/step
>2435, dr[0.174,0.385], df[0.081,0.122], g[3.850,0.206]
1/1 [=====] - 0s 69ms/step
>2436, dr[0.589,0.691], df[0.093,0.155], g[3.813,0.088]
1/1 [=====] - 0s 70ms/step
>2437, dr[0.119,0.751], df[0.350,0.279], g[3.224,0.210]
1/1 [=====] - 0s 68ms/step
>2438, dr[0.094,0.642], df[0.064,0.093], g[3.252,0.061]
1/1 [=====] - 0s 68ms/step
>2439, dr[0.095,0.606], df[0.265,0.150], g[3.538,0.124]
1/1 [=====] - 0s 67ms/step
>2440, dr[0.073,0.575], df[0.458,0.238], g[4.184,0.089]
1/1 [=====] - 0s 68ms/step
>2441, dr[0.078,0.791], df[0.080,0.091], g[3.695,0.134]
1/1 [=====] - 0s 70ms/step
>2442, dr[0.141,0.612], df[0.046,0.075], g[4.558,0.139]
1/1 [=====] - 0s 70ms/step
>2443, dr[0.173,0.427], df[0.024,0.090], g[3.973,0.078]
1/1 [=====] - 0s 77ms/step
>2444, dr[0.114,0.566], df[0.070,0.130], g[4.113,0.067]
1/1 [=====] - 0s 68ms/step
>2445, dr[0.245,0.701], df[0.116,0.202], g[3.724,0.167]
1/1 [=====] - 0s 74ms/step
>2446, dr[0.197,0.373], df[0.180,0.069], g[3.188,0.201]
1/1 [=====] - 0s 69ms/step
>2447, dr[0.067,0.797], df[0.122,0.245], g[2.518,0.105]
1/1 [=====] - 0s 77ms/step
>2448, dr[0.034,0.581], df[0.363,0.108], g[2.608,0.119]
1/1 [=====] - 0s 69ms/step
>2449, dr[0.146,0.429], df[0.165,0.124], g[2.465,0.173]
1/1 [=====] - 0s 74ms/step
>2450, dr[0.031,0.356], df[0.274,0.133], g[3.156,0.110]
1/1 [=====] - 0s 73ms/step
>2451, dr[0.162,0.836], df[0.070,0.161], g[3.399,0.097]
1/1 [=====] - 0s 74ms/step
>2452, dr[0.209,0.619], df[0.140,0.119], g[3.648,0.184]
1/1 [=====] - 0s 69ms/step
>2453, dr[0.382,0.299], df[0.115,0.095], g[3.794,0.136]
1/1 [=====] - 0s 77ms/step
>2454, dr[0.225,0.585], df[0.129,0.181], g[2.991,0.179]
1/1 [=====] - 0s 70ms/step
>2455, dr[0.133,0.552], df[0.227,0.156], g[3.344,0.091]
1/1 [=====] - 0s 77ms/step
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>2456, dr[0.162,0.959], df[0.116,0.057], g[3.143,0.196]
1/1 [=====] - 0s 72ms/step
>2457, dr[0.115,1.461], df[0.207,0.131], g[4.152,0.055]
1/1 [=====] - 0s 70ms/step
>2458, dr[0.154,0.456], df[0.176,0.096], g[3.495,0.197]
1/1 [=====] - 0s 70ms/step
>2459, dr[0.110,0.631], df[0.061,0.101], g[3.329,0.201]
1/1 [=====] - 0s 70ms/step
>2460, dr[0.079,0.750], df[0.193,0.317], g[2.818,0.217]
1/1 [=====] - 0s 68ms/step
>2461, dr[0.159,0.692], df[0.073,0.127], g[3.256,0.210]
1/1 [=====] - 0s 69ms/step
>2462, dr[0.188,0.324], df[0.169,0.398], g[3.707,0.254]
1/1 [=====] - 0s 75ms/step
>2463, dr[0.070,0.413], df[0.049,0.321], g[3.899,0.200]
1/1 [=====] - 0s 67ms/step
>2464, dr[0.039,0.939], df[0.130,0.176], g[3.288,0.154]
1/1 [=====] - 0s 78ms/step
>2465, dr[0.182,0.433], df[0.039,0.151], g[4.357,0.115]
1/1 [=====] - 0s 69ms/step
>2466, dr[0.184,0.986], df[0.059,0.066], g[3.692,0.202]
1/1 [=====] - 0s 74ms/step
>2467, dr[0.172,0.606], df[0.116,0.269], g[3.507,0.141]
1/1 [=====] - 0s 68ms/step
>2468, dr[0.086,0.914], df[0.098,0.355], g[3.094,0.137]
1/1 [=====] - 0s 79ms/step
>2469, dr[0.061,0.592], df[0.068,0.143], g[3.451,0.154]
1/1 [=====] - 0s 74ms/step
>2470, dr[0.028,0.594], df[0.111,0.137], g[3.585,0.169]
1/1 [=====] - 0s 73ms/step
>2471, dr[0.011,0.638], df[0.030,0.170], g[3.830,0.203]
1/1 [=====] - 0s 74ms/step
>2472, dr[0.044,0.979], df[0.045,0.283], g[4.170,0.193]
1/1 [=====] - 0s 69ms/step
>2473, dr[0.089,0.577], df[0.043,0.118], g[4.535,0.181]
1/1 [=====] - 0s 86ms/step
>2474, dr[0.022,0.709], df[0.020,0.173], g[3.668,0.171]
1/1 [=====] - 0s 79ms/step
>2475, dr[0.016,0.814], df[0.011,0.197], g[4.141,0.202]
1/1 [=====] - 0s 80ms/step
>2476, dr[0.123,0.604], df[0.016,0.127], g[4.318,0.146]
1/1 [=====] - 0s 76ms/step
>2477, dr[0.032,0.743], df[0.035,0.177], g[2.508,0.204]
1/1 [=====] - 0s 75ms/step
>2478, dr[0.062,0.618], df[0.162,0.158], g[3.645,0.185]
1/1 [=====] - 0s 69ms/step
>2479, dr[0.008,0.413], df[0.069,0.138], g[3.914,0.188]
1/1 [=====] - 0s 72ms/step
>2480, dr[0.016,0.688], df[0.097,0.145], g[2.771,0.211]
1/1 [=====] - 0s 72ms/step
>2481, dr[0.058,0.752], df[0.033,0.077], g[2.942,0.107]
1/1 [=====] - 0s 73ms/step
>2482, dr[0.035,0.506], df[0.055,0.135], g[2.889,0.160]
1/1 [=====] - 0s 92ms/step
>2483, dr[0.109,0.800], df[0.040,0.110], g[2.425,0.170]
1/1 [=====] - 0s 90ms/step
>2484, dr[0.048,0.367], df[0.062,0.083], g[2.365,0.096]
1/1 [=====] - 0s 83ms/step
>2485, dr[0.116,0.472], df[0.155,0.139], g[2.231,0.211]
1/1 [=====] - 0s 78ms/step
```

```
>2486, dr[0.035,0.553], df[0.190,0.197], g[2.199,0.209]
1/1 [=====] - 0s 103ms/step
>2487, dr[0.013,0.837], df[0.310,0.101], g[1.714,0.204]
1/1 [=====] - 0s 94ms/step
>2488, dr[0.033,0.442], df[0.202,0.372], g[2.290,0.412]
1/1 [=====] - 0s 88ms/step
>2489, dr[0.072,0.377], df[0.147,0.336], g[2.567,0.298]
1/1 [=====] - 0s 117ms/step
>2490, dr[0.246,0.516], df[0.023,0.238], g[2.276,0.267]
1/1 [=====] - 0s 94ms/step
>2491, dr[0.360,0.609], df[0.152,0.525], g[2.349,0.220]
1/1 [=====] - 0s 74ms/step
>2492, dr[0.286,0.605], df[0.552,0.259], g[1.994,0.134]
1/1 [=====] - 0s 119ms/step
>2493, dr[0.185,0.757], df[0.241,0.145], g[2.056,0.227]
1/1 [=====] - 0s 80ms/step
>2494, dr[0.389,0.373], df[0.075,0.721], g[1.541,0.134]
1/1 [=====] - 0s 73ms/step
>2495, dr[0.206,0.823], df[0.222,0.329], g[1.759,0.233]
1/1 [=====] - 0s 89ms/step
>2496, dr[0.141,0.533], df[0.071,0.350], g[1.856,0.107]
1/1 [=====] - 0s 73ms/step
>2497, dr[0.208,0.505], df[0.242,0.374], g[1.878,0.183]
1/1 [=====] - 0s 74ms/step
>2498, dr[0.066,0.755], df[0.230,0.072], g[1.886,0.387]
1/1 [=====] - 0s 79ms/step
>2499, dr[0.244,0.748], df[0.660,0.418], g[2.262,0.410]
1/1 [=====] - 0s 74ms/step
>2500, dr[0.184,0.691], df[0.105,0.170], g[2.578,0.352]
1/1 [=====] - 0s 76ms/step
>2501, dr[0.249,0.536], df[0.033,0.454], g[3.202,0.255]
1/1 [=====] - 0s 81ms/step
>2502, dr[0.156,0.833], df[0.373,0.169], g[3.221,0.243]
1/1 [=====] - 0s 99ms/step
>2503, dr[0.096,0.746], df[0.107,0.147], g[3.418,0.186]
1/1 [=====] - 0s 74ms/step
>2504, dr[0.189,0.662], df[0.065,0.222], g[3.012,0.232]
1/1 [=====] - 0s 74ms/step
>2505, dr[0.227,0.422], df[0.168,0.182], g[2.781,0.183]
1/1 [=====] - 0s 68ms/step
>2506, dr[0.251,0.618], df[0.105,0.102], g[2.223,0.210]
1/1 [=====] - 0s 75ms/step
>2507, dr[0.227,0.714], df[0.371,0.214], g[2.590,0.253]
1/1 [=====] - 0s 79ms/step
>2508, dr[0.272,0.530], df[0.121,0.098], g[2.150,0.366]
1/1 [=====] - 0s 76ms/step
>2509, dr[0.151,0.719], df[0.212,0.188], g[2.513,0.182]
1/1 [=====] - 0s 86ms/step
>2510, dr[0.136,0.595], df[0.063,0.241], g[2.368,0.284]
1/1 [=====] - 0s 74ms/step
>2511, dr[0.115,0.422], df[0.431,0.294], g[2.766,0.185]
1/1 [=====] - 0s 77ms/step
>2512, dr[0.184,0.534], df[0.277,0.160], g[2.788,0.258]
1/1 [=====] - 0s 70ms/step
>2513, dr[0.242,0.596], df[0.234,0.258], g[3.283,0.237]
1/1 [=====] - 0s 72ms/step
>2514, dr[0.401,0.874], df[0.214,0.250], g[3.324,0.226]
1/1 [=====] - 0s 69ms/step
>2515, dr[0.373,0.560], df[0.081,0.438], g[3.243,0.254]
1/1 [=====] - 0s 69ms/step
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>2516, dr[0.295,0.736], df[0.182,0.270], g[3.255,0.218]
1/1 [=====] - 0s 69ms/step
>2517, dr[0.158,0.738], df[0.096,0.096], g[1.977,0.267]
1/1 [=====] - 0s 67ms/step
>2518, dr[0.152,0.644], df[0.326,0.197], g[2.163,0.153]
1/1 [=====] - 0s 74ms/step
>2519, dr[0.060,0.523], df[0.299,0.413], g[2.824,0.254]
1/1 [=====] - 0s 68ms/step
>2520, dr[0.280,0.750], df[0.106,0.304], g[3.710,0.215]
1/1 [=====] - 0s 79ms/step
>2521, dr[0.185,0.950], df[0.135,0.189], g[2.938,0.159]
1/1 [=====] - 0s 83ms/step
>2522, dr[0.794,0.573], df[0.067,0.286], g[2.495,0.209]
1/1 [=====] - 0s 76ms/step
>2523, dr[0.058,0.756], df[0.088,0.184], g[1.790,0.245]
1/1 [=====] - 0s 74ms/step
>2524, dr[0.114,0.589], df[0.627,0.233], g[2.852,0.442]
1/1 [=====] - 0s 71ms/step
>2525, dr[0.301,0.740], df[0.567,0.296], g[2.441,0.124]
1/1 [=====] - 0s 68ms/step
>2526, dr[0.070,0.498], df[0.115,0.259], g[4.105,0.205]
1/1 [=====] - 0s 71ms/step
>2527, dr[0.271,0.720], df[0.030,0.179], g[3.279,0.318]
1/1 [=====] - 0s 70ms/step
>2528, dr[0.244,1.068], df[0.094,0.108], g[3.998,0.196]
1/1 [=====] - 0s 71ms/step
>2529, dr[0.229,0.821], df[0.061,0.387], g[3.512,0.122]
1/1 [=====] - 0s 68ms/step
>2530, dr[0.124,0.629], df[0.074,0.164], g[2.785,0.174]
1/1 [=====] - 0s 69ms/step
>2531, dr[0.063,0.882], df[0.100,0.180], g[3.351,0.164]
1/1 [=====] - 0s 85ms/step
>2532, dr[0.067,0.479], df[0.239,0.100], g[3.666,0.180]
1/1 [=====] - 0s 75ms/step
>2533, dr[0.102,0.544], df[0.116,0.193], g[3.637,0.106]
1/1 [=====] - 0s 74ms/step
>2534, dr[0.100,0.794], df[0.158,0.209], g[3.497,0.083]
1/1 [=====] - 0s 69ms/step
>2535, dr[0.254,0.625], df[0.067,0.132], g[3.757,0.144]
1/1 [=====] - 0s 75ms/step
>2536, dr[0.043,0.661], df[0.060,0.169], g[4.372,0.100]
1/1 [=====] - 0s 70ms/step
>2537, dr[0.151,0.663], df[0.044,0.171], g[4.282,0.145]
1/1 [=====] - 0s 73ms/step
>2538, dr[0.032,0.292], df[0.072,0.110], g[3.354,0.072]
1/1 [=====] - 0s 69ms/step
>2539, dr[0.077,0.493], df[0.039,0.136], g[3.506,0.123]
1/1 [=====] - 0s 72ms/step
>2540, dr[0.048,0.413], df[0.106,0.126], g[3.748,0.178]
1/1 [=====] - 0s 69ms/step
>2541, dr[0.039,0.704], df[0.027,0.184], g[3.632,0.151]
1/1 [=====] - 0s 69ms/step
>2542, dr[0.126,0.534], df[0.075,0.077], g[3.737,0.093]
1/1 [=====] - 0s 68ms/step
>2543, dr[0.056,0.769], df[0.034,0.124], g[3.456,0.097]
1/1 [=====] - 0s 70ms/step
>2544, dr[0.059,0.675], df[0.038,0.132], g[3.596,0.087]
1/1 [=====] - 0s 72ms/step
>2545, dr[0.021,1.040], df[0.029,0.034], g[3.324,0.115]
1/1 [=====] - 0s 67ms/step
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>2546, dr[0.021,0.388], df[0.024,0.037], g[3.013,0.100]
1/1 [=====] - 0s 73ms/step
>2547, dr[0.037,0.377], df[0.046,0.161], g[3.269,0.154]
1/1 [=====] - 0s 68ms/step
>2548, dr[0.136,0.776], df[0.032,0.100], g[3.044,0.114]
1/1 [=====] - 0s 77ms/step
>2549, dr[0.035,0.660], df[0.080,0.069], g[2.979,0.126]
1/1 [=====] - 0s 69ms/step
>2550, dr[0.042,0.853], df[0.094,0.034], g[2.648,0.110]
1/1 [=====] - 0s 73ms/step
>2551, dr[0.026,0.776], df[0.061,0.058], g[2.901,0.117]
1/1 [=====] - 0s 70ms/step
>2552, dr[0.009,0.566], df[0.035,0.104], g[2.976,0.153]
1/1 [=====] - 0s 73ms/step
>2553, dr[0.020,0.954], df[0.032,0.118], g[2.403,0.149]
1/1 [=====] - 0s 69ms/step
>2554, dr[0.061,0.513], df[0.029,0.151], g[2.826,0.068]
1/1 [=====] - 0s 74ms/step
>2555, dr[0.037,0.332], df[0.036,0.199], g[2.873,0.069]
1/1 [=====] - 0s 68ms/step
>2556, dr[0.026,0.183], df[0.051,0.042], g[3.071,0.105]
1/1 [=====] - 0s 74ms/step
>2557, dr[0.067,0.664], df[0.085,0.156], g[2.592,0.136]
1/1 [=====] - 0s 67ms/step
>2558, dr[0.058,0.796], df[0.098,0.038], g[2.612,0.141]
1/1 [=====] - 0s 71ms/step
>2559, dr[0.054,0.442], df[0.080,0.057], g[2.160,0.111]
1/1 [=====] - 0s 67ms/step
>2560, dr[0.113,0.609], df[0.184,0.088], g[2.321,0.213]
1/1 [=====] - 0s 68ms/step
>2561, dr[0.104,1.166], df[0.062,0.257], g[2.263,0.146]
1/1 [=====] - 0s 73ms/step
>2562, dr[0.029,0.684], df[0.055,0.127], g[2.379,0.165]
1/1 [=====] - 0s 70ms/step
>2563, dr[0.049,0.657], df[0.092,0.031], g[2.054,0.125]
1/1 [=====] - 0s 75ms/step
>2564, dr[0.033,0.504], df[0.061,0.067], g[2.334,0.149]
1/1 [=====] - 0s 69ms/step
>2565, dr[0.033,0.908], df[0.026,0.081], g[2.206,0.209]
1/1 [=====] - 0s 74ms/step
>2566, dr[0.073,0.727], df[0.185,0.061], g[1.933,0.195]
1/1 [=====] - 0s 69ms/step
>2567, dr[0.078,0.360], df[0.024,0.039], g[2.155,0.238]
1/1 [=====] - 0s 88ms/step
>2568, dr[0.118,0.633], df[0.059,0.150], g[1.705,0.129]
1/1 [=====] - 0s 70ms/step
>2569, dr[0.141,0.433], df[0.059,0.138], g[1.817,0.234]
1/1 [=====] - 0s 77ms/step
>2570, dr[0.165,0.705], df[0.029,0.132], g[1.693,0.301]
1/1 [=====] - 0s 72ms/step
>2571, dr[0.038,0.921], df[0.360,0.045], g[0.898,0.250]
1/1 [=====] - 0s 73ms/step
>2572, dr[0.064,0.231], df[0.381,0.093], g[1.439,0.274]
1/1 [=====] - 0s 93ms/step
>2573, dr[0.074,0.525], df[0.172,0.154], g[1.948,0.299]
1/1 [=====] - 0s 69ms/step
>2574, dr[0.216,0.697], df[0.040,0.108], g[1.728,0.243]
1/1 [=====] - 0s 78ms/step
>2575, dr[0.403,0.255], df[0.021,0.071], g[1.957,0.210]
1/1 [=====] - 0s 69ms/step
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>2576, dr[0.259,0.343], df[0.178,0.020], g[0.849,0.251]
1/1 [=====] - 0s 71ms/step
>2577, dr[0.036,0.588], df[0.317,0.067], g[1.095,0.139]
1/1 [=====] - 0s 67ms/step
>2578, dr[0.069,0.272], df[0.215,0.190], g[0.709,0.165]
1/1 [=====] - 0s 72ms/step
>2579, dr[0.089,0.923], df[0.597,0.241], g[0.950,0.576]
1/1 [=====] - 0s 70ms/step
>2580, dr[0.127,0.505], df[0.352,0.119], g[0.963,0.414]
1/1 [=====] - 0s 72ms/step
>2581, dr[0.315,0.377], df[0.078,0.186], g[1.427,0.333]
1/1 [=====] - 0s 67ms/step
>2582, dr[0.315,0.586], df[0.035,0.361], g[1.404,0.294]
1/1 [=====] - 0s 70ms/step
>2583, dr[0.140,0.805], df[0.112,0.204], g[0.881,0.636]
1/1 [=====] - 0s 73ms/step
>2584, dr[0.453,0.738], df[0.180,0.458], g[1.051,0.286]
1/1 [=====] - 0s 71ms/step
>2585, dr[0.276,0.789], df[0.353,0.294], g[0.580,0.505]
1/1 [=====] - 0s 86ms/step
>2586, dr[0.099,0.563], df[0.606,0.205], g[0.518,0.394]
1/1 [=====] - 0s 66ms/step
>2587, dr[0.098,0.586], df[0.449,0.055], g[1.224,0.289]
1/1 [=====] - 0s 77ms/step
>2588, dr[0.117,0.823], df[0.112,0.106], g[1.438,0.486]
1/1 [=====] - 0s 71ms/step
>2589, dr[0.169,0.584], df[0.169,0.164], g[1.867,0.244]
1/1 [=====] - 0s 70ms/step
>2590, dr[0.178,0.615], df[0.035,0.052], g[1.817,0.226]
1/1 [=====] - 0s 69ms/step
>2591, dr[0.261,0.905], df[0.052,0.251], g[1.972,0.268]
1/1 [=====] - 0s 68ms/step
>2592, dr[0.590,0.870], df[0.070,0.295], g[1.569,0.153]
1/1 [=====] - 0s 69ms/step
>2593, dr[0.074,0.536], df[0.129,0.077], g[1.203,0.264]
1/1 [=====] - 0s 72ms/step
>2594, dr[0.108,0.712], df[0.225,0.080], g[1.154,0.321]
1/1 [=====] - 0s 74ms/step
>2595, dr[0.057,0.667], df[0.215,0.218], g[0.940,0.358]
1/1 [=====] - 0s 67ms/step
>2596, dr[0.019,0.835], df[0.229,0.188], g[1.390,0.326]
1/1 [=====] - 0s 73ms/step
>2597, dr[0.031,0.644], df[0.138,0.072], g[1.608,0.290]
1/1 [=====] - 0s 70ms/step
>2598, dr[0.087,0.472], df[0.256,0.267], g[1.557,0.281]
1/1 [=====] - 0s 76ms/step
>2599, dr[0.038,0.516], df[0.072,0.045], g[2.765,0.289]
1/1 [=====] - 0s 71ms/step
>2600, dr[0.141,0.783], df[0.037,0.174], g[2.760,0.294]
1/1 [=====] - 0s 69ms/step
>2601, dr[0.282,0.423], df[0.075,0.224], g[3.136,0.262]
1/1 [=====] - 0s 68ms/step
>2602, dr[0.229,0.775], df[0.011,0.175], g[3.529,0.326]
1/1 [=====] - 0s 71ms/step
>2603, dr[0.098,0.451], df[0.160,0.206], g[2.534,0.109]
1/1 [=====] - 0s 67ms/step
>2604, dr[0.050,0.522], df[0.226,0.148], g[2.852,0.189]
1/1 [=====] - 0s 72ms/step
>2605, dr[0.020,0.662], df[0.207,0.163], g[2.914,0.266]
1/1 [=====] - 0s 72ms/step
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>2606, dr[0.091,0.579], df[0.081,0.061], g[2.896,0.427]
1/1 [=====] - 0s 68ms/step
>2607, dr[0.178,0.530], df[0.056,0.202], g[4.094,0.180]
1/1 [=====] - 0s 74ms/step
>2608, dr[0.103,1.496], df[0.077,0.048], g[4.684,0.215]
1/1 [=====] - 0s 70ms/step
>2609, dr[0.188,0.627], df[0.032,0.072], g[3.893,0.491]
1/1 [=====] - 0s 74ms/step
>2610, dr[0.233,0.707], df[0.096,0.099], g[3.189,0.309]
1/1 [=====] - 0s 68ms/step
>2611, dr[0.360,0.215], df[0.069,0.265], g[2.584,0.519]
1/1 [=====] - 0s 75ms/step
>2612, dr[0.031,0.606], df[0.160,0.060], g[3.253,0.240]
1/1 [=====] - 0s 69ms/step
>2613, dr[0.046,0.562], df[0.091,0.115], g[2.969,0.258]
1/1 [=====] - 0s 75ms/step
>2614, dr[0.029,0.545], df[0.193,0.119], g[3.777,0.248]
1/1 [=====] - 0s 82ms/step
>2615, dr[0.069,0.647], df[0.051,0.138], g[3.822,0.299]
1/1 [=====] - 0s 67ms/step
>2616, dr[0.078,0.924], df[0.064,0.083], g[4.167,0.143]
1/1 [=====] - 0s 68ms/step
>2617, dr[0.124,0.843], df[0.087,0.101], g[4.464,0.176]
1/1 [=====] - 0s 68ms/step
>2618, dr[0.130,0.626], df[0.051,0.113], g[4.678,0.259]
1/1 [=====] - 0s 69ms/step
>2619, dr[0.031,0.790], df[0.080,0.106], g[4.252,0.344]
1/1 [=====] - 0s 71ms/step
>2620, dr[0.019,0.321], df[0.122,0.076], g[4.044,0.177]
1/1 [=====] - 0s 71ms/step
>2621, dr[0.027,0.217], df[0.009,0.075], g[4.864,0.324]
1/1 [=====] - 0s 68ms/step
>2622, dr[0.079,0.581], df[0.043,0.347], g[4.949,0.347]
1/1 [=====] - 0s 73ms/step
>2623, dr[0.039,0.678], df[0.040,0.053], g[5.264,0.226]
1/1 [=====] - 0s 67ms/step
>2624, dr[0.227,0.777], df[0.061,0.078], g[4.685,0.315]
1/1 [=====] - 0s 81ms/step
>2625, dr[0.137,0.331], df[0.056,0.099], g[4.686,0.209]
1/1 [=====] - 0s 75ms/step
>2626, dr[0.020,0.688], df[0.081,0.119], g[3.806,0.269]
1/1 [=====] - 0s 80ms/step
>2627, dr[0.040,0.562], df[0.125,0.114], g[4.021,0.131]
1/1 [=====] - 0s 68ms/step
>2628, dr[0.041,0.693], df[0.217,0.081], g[4.032,0.229]
1/1 [=====] - 0s 67ms/step
>2629, dr[0.027,0.640], df[0.096,0.073], g[4.808,0.141]
1/1 [=====] - 0s 67ms/step
>2630, dr[0.254,0.401], df[0.069,0.043], g[5.840,0.126]
1/1 [=====] - 0s 68ms/step
>2631, dr[0.228,0.700], df[0.017,0.051], g[4.625,0.241]
1/1 [=====] - 0s 72ms/step
>2632, dr[0.117,0.280], df[0.040,0.176], g[4.883,0.275]
1/1 [=====] - 0s 84ms/step
>2633, dr[0.038,0.792], df[0.050,0.051], g[4.598,0.158]
1/1 [=====] - 0s 79ms/step
>2634, dr[0.065,0.490], df[0.084,0.115], g[4.278,0.145]
1/1 [=====] - 0s 68ms/step
>2635, dr[0.084,0.249], df[0.105,0.064], g[3.823,0.178]
1/1 [=====] - 0s 72ms/step
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>2636, dr[0.016,0.702], df[0.178,0.106], g[4.073,0.248]
1/1 [=====] - 0s 70ms/step
>2637, dr[0.082,0.638], df[0.145,0.080], g[3.796,0.268]
1/1 [=====] - 0s 73ms/step
>2638, dr[0.093,0.524], df[0.083,0.047], g[4.972,0.111]
1/1 [=====] - 0s 69ms/step
>2639, dr[0.074,0.565], df[0.051,0.030], g[3.419,0.202]
1/1 [=====] - 0s 68ms/step
>2640, dr[0.080,0.908], df[0.121,0.051], g[5.180,0.148]
1/1 [=====] - 0s 74ms/step
>2641, dr[0.301,0.464], df[0.126,0.142], g[4.738,0.093]
1/1 [=====] - 0s 68ms/step
>2642, dr[0.277,0.510], df[0.093,0.074], g[3.654,0.102]
1/1 [=====] - 0s 78ms/step
>2643, dr[0.121,0.877], df[0.128,0.063], g[3.273,0.156]
1/1 [=====] - 0s 68ms/step
>2644, dr[0.043,0.937], df[0.249,0.122], g[3.356,0.158]
1/1 [=====] - 0s 76ms/step
>2645, dr[0.046,0.966], df[0.361,0.074], g[3.167,0.066]
1/1 [=====] - 0s 71ms/step
>2646, dr[0.034,0.500], df[0.173,0.042], g[4.038,0.151]
1/1 [=====] - 0s 75ms/step
>2647, dr[0.232,0.618], df[0.045,0.057], g[4.534,0.083]
1/1 [=====] - 0s 69ms/step
>2648, dr[0.154,0.683], df[0.122,0.039], g[4.905,0.134]
1/1 [=====] - 0s 73ms/step
>2649, dr[0.539,0.906], df[0.215,0.084], g[2.947,0.150]
1/1 [=====] - 0s 67ms/step
>2650, dr[0.098,0.571], df[0.333,0.084], g[3.115,0.153]
1/1 [=====] - 0s 71ms/step
>2651, dr[0.090,0.918], df[0.101,0.056], g[3.300,0.083]
1/1 [=====] - 0s 80ms/step
>2652, dr[0.060,0.491], df[0.184,0.119], g[2.623,0.125]
1/1 [=====] - 0s 68ms/step
>2653, dr[0.093,0.436], df[0.348,0.038], g[3.422,0.177]
1/1 [=====] - 0s 90ms/step
>2654, dr[0.320,0.819], df[0.388,0.069], g[4.094,0.223]
1/1 [=====] - 0s 75ms/step
>2655, dr[0.232,0.734], df[0.119,0.152], g[4.951,0.205]
1/1 [=====] - 0s 73ms/step
>2656, dr[0.170,0.907], df[0.192,0.118], g[4.286,0.211]
1/1 [=====] - 0s 67ms/step
>2657, dr[0.282,0.522], df[0.110,0.037], g[5.344,0.112]
1/1 [=====] - 0s 68ms/step
>2658, dr[0.125,0.964], df[0.130,0.127], g[4.955,0.156]
1/1 [=====] - 0s 67ms/step
>2659, dr[0.156,0.744], df[0.055,0.120], g[4.733,0.231]
1/1 [=====] - 0s 70ms/step
>2660, dr[0.146,0.747], df[0.089,0.290], g[5.014,0.254]
1/1 [=====] - 0s 73ms/step
>2661, dr[0.031,0.695], df[0.039,0.124], g[4.944,0.180]
1/1 [=====] - 0s 68ms/step
>2662, dr[0.050,0.397], df[0.055,0.128], g[4.160,0.214]
1/1 [=====] - 0s 72ms/step
>2663, dr[0.012,0.799], df[0.304,0.124], g[5.807,0.195]
1/1 [=====] - 0s 68ms/step
>2664, dr[0.063,0.427], df[0.237,0.190], g[6.125,0.066]
1/1 [=====] - 0s 73ms/step
>2665, dr[0.050,0.718], df[0.126,0.204], g[6.334,0.246]
1/1 [=====] - 0s 67ms/step
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>2666, dr[0.051,0.382], df[0.090,0.170], g[7.417,0.212]
1/1 [=====] - 0s 74ms/step
>2667, dr[0.087,0.594], df[0.017,0.153], g[6.331,0.114]
1/1 [=====] - 0s 70ms/step
>2668, dr[0.106,0.881], df[0.109,0.068], g[7.033,0.137]
1/1 [=====] - 0s 73ms/step
>2669, dr[0.047,0.528], df[0.113,0.188], g[5.166,0.142]
1/1 [=====] - 0s 68ms/step
>2670, dr[0.055,0.549], df[0.060,0.137], g[5.265,0.057]
1/1 [=====] - 0s 71ms/step
>2671, dr[0.072,0.389], df[0.069,0.111], g[4.259,0.062]
1/1 [=====] - 0s 68ms/step
>2672, dr[0.124,0.508], df[0.019,0.113], g[4.172,0.153]
1/1 [=====] - 0s 75ms/step
>2673, dr[0.027,0.406], df[0.193,0.155], g[3.329,0.274]
1/1 [=====] - 0s 67ms/step
>2674, dr[0.072,0.911], df[0.015,0.162], g[3.912,0.100]
1/1 [=====] - 0s 67ms/step
>2675, dr[0.162,0.674], df[0.151,0.157], g[4.500,0.074]
1/1 [=====] - 0s 70ms/step
>2676, dr[0.073,0.549], df[0.135,0.112], g[4.068,0.054]
1/1 [=====] - 0s 68ms/step
>2677, dr[0.129,0.323], df[0.029,0.108], g[3.927,0.054]
1/1 [=====] - 0s 72ms/step
>2678, dr[0.095,0.685], df[0.165,0.124], g[3.383,0.164]
1/1 [=====] - 0s 70ms/step
>2679, dr[0.056,0.346], df[0.123,0.170], g[3.521,0.130]
1/1 [=====] - 0s 73ms/step
>2680, dr[0.133,0.414], df[0.042,0.231], g[2.727,0.148]
1/1 [=====] - 0s 71ms/step
>2681, dr[0.038,0.552], df[0.004,0.096], g[2.660,0.054]
1/1 [=====] - 0s 74ms/step
>2682, dr[0.101,0.709], df[0.040,0.130], g[2.462,0.078]
1/1 [=====] - 0s 67ms/step
>2683, dr[0.049,0.799], df[0.016,0.080], g[2.548,0.179]
1/1 [=====] - 0s 74ms/step
>2684, dr[0.054,0.398], df[0.092,0.137], g[2.449,0.215]
1/1 [=====] - 0s 70ms/step
>2685, dr[0.154,0.190], df[0.063,0.182], g[1.974,0.147]
1/1 [=====] - 0s 75ms/step
>2686, dr[0.044,0.859], df[0.049,0.187], g[1.943,0.153]
1/1 [=====] - 0s 74ms/step
>2687, dr[0.081,0.716], df[0.005,0.135], g[1.533,0.083]
1/1 [=====] - 0s 72ms/step
>2688, dr[0.015,0.563], df[0.085,0.069], g[1.603,0.080]
1/1 [=====] - 0s 68ms/step
>2689, dr[0.057,0.378], df[0.054,0.125], g[1.428,0.055]
1/1 [=====] - 0s 70ms/step
>2690, dr[0.009,0.830], df[0.058,0.070], g[1.501,0.151]
1/1 [=====] - 0s 68ms/step
>2691, dr[0.157,0.524], df[0.010,0.064], g[1.599,0.091]
1/1 [=====] - 0s 71ms/step
>2692, dr[0.038,0.846], df[0.025,0.101], g[1.500,0.071]
1/1 [=====] - 0s 71ms/step
>2693, dr[0.078,0.634], df[0.077,0.097], g[1.240,0.142]
1/1 [=====] - 0s 69ms/step
>2694, dr[0.008,0.467], df[0.011,0.072], g[1.353,0.242]
1/1 [=====] - 0s 74ms/step
>2695, dr[0.040,0.585], df[0.053,0.195], g[1.494,0.175]
1/1 [=====] - 0s 71ms/step
```

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>2696, dr[0.034,0.610], df[0.044,0.082], g[1.424,0.081]
1/1 [=====] - 0s 80ms/step
>2697, dr[0.059,0.326], df[0.019,0.094], g[1.204,0.250]
1/1 [=====] - 0s 71ms/step
>2698, dr[0.034,0.439], df[0.022,0.109], g[1.240,0.127]
1/1 [=====] - 0s 69ms/step
>2699, dr[0.016,0.612], df[0.011,0.132], g[1.175,0.110]
1/1 [=====] - 0s 73ms/step
>2700, dr[0.032,0.692], df[0.074,0.164], g[1.324,0.077]
1/1 [=====] - 0s 69ms/step
>2701, dr[0.026,0.653], df[0.009,0.089], g[1.149,0.147]
1/1 [=====] - 0s 77ms/step
>2702, dr[0.026,0.609], df[0.096,0.074], g[1.082,0.109]
1/1 [=====] - 0s 68ms/step
>2703, dr[0.032,0.422], df[0.058,0.058], g[1.528,0.139]
1/1 [=====] - 0s 74ms/step
>2704, dr[0.030,0.372], df[0.032,0.079], g[2.016,0.172]
1/1 [=====] - 0s 68ms/step
>2705, dr[0.180,0.453], df[0.011,0.057], g[1.409,0.084]
1/1 [=====] - 0s 79ms/step
>2706, dr[0.045,1.092], df[0.102,0.093], g[1.422,0.110]
1/1 [=====] - 0s 72ms/step
>2707, dr[0.020,0.750], df[0.042,0.110], g[1.998,0.090]
1/1 [=====] - 0s 68ms/step
>2708, dr[0.072,0.632], df[0.008,0.041], g[1.516,0.143]
1/1 [=====] - 0s 71ms/step
>2709, dr[0.079,0.376], df[0.032,0.058], g[1.386,0.142]
1/1 [=====] - 0s 72ms/step
>2710, dr[0.030,0.499], df[0.018,0.110], g[1.258,0.188]
1/1 [=====] - 0s 73ms/step
>2711, dr[0.074,0.589], df[0.030,0.072], g[1.491,0.108]
1/1 [=====] - 0s 68ms/step
>2712, dr[0.075,0.426], df[0.074,0.124], g[0.760,0.112]
1/1 [=====] - 0s 75ms/step
>2713, dr[0.027,0.633], df[0.050,0.072], g[0.893,0.153]
1/1 [=====] - 0s 73ms/step
>2714, dr[0.024,1.295], df[0.103,0.124], g[1.071,0.068]
1/1 [=====] - 0s 75ms/step
>2715, dr[0.018,0.489], df[0.018,0.063], g[1.058,0.209]
1/1 [=====] - 0s 69ms/step
>2716, dr[0.028,0.598], df[0.043,0.144], g[1.292,0.071]
1/1 [=====] - 0s 79ms/step
>2717, dr[0.130,1.503], df[0.036,0.043], g[0.950,0.118]
1/1 [=====] - 0s 69ms/step
>2718, dr[0.029,0.417], df[0.060,0.162], g[0.608,0.098]
1/1 [=====] - 0s 75ms/step
>2719, dr[0.026,1.159], df[0.012,0.164], g[0.724,0.102]
1/1 [=====] - 0s 70ms/step
>2720, dr[0.020,0.596], df[0.023,0.070], g[0.423,0.106]
1/1 [=====] - 0s 70ms/step
>2721, dr[0.131,0.578], df[0.160,0.148], g[0.455,0.121]
1/1 [=====] - 0s 70ms/step
>2722, dr[0.038,0.775], df[0.232,0.132], g[0.679,0.174]
1/1 [=====] - 0s 70ms/step
>2723, dr[0.052,0.712], df[0.060,0.074], g[0.864,0.169]
1/1 [=====] - 0s 67ms/step
>2724, dr[0.037,0.942], df[0.043,0.121], g[0.824,0.203]
1/1 [=====] - 0s 71ms/step
>2725, dr[0.085,0.508], df[0.027,0.054], g[1.729,0.132]
1/1 [=====] - 0s 77ms/step
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>2726, dr[0.164,0.391], df[0.010,0.071], g[1.510,0.114]
1/1 [=====] - 0s 79ms/step
>2727, dr[0.035,0.719], df[0.008,0.063], g[1.097,0.165]
1/1 [=====] - 0s 74ms/step
>2728, dr[0.134,0.446], df[0.008,0.126], g[1.044,0.132]
1/1 [=====] - 0s 74ms/step
>2729, dr[0.035,1.087], df[0.031,0.085], g[0.488,0.168]
1/1 [=====] - 0s 74ms/step
>2730, dr[0.068,0.517], df[0.158,0.045], g[0.385,0.094]
1/1 [=====] - 0s 67ms/step
>2731, dr[0.013,0.667], df[0.085,0.271], g[0.481,0.143]
1/1 [=====] - 0s 75ms/step
>2732, dr[0.057,0.961], df[0.202,0.144], g[0.588,0.150]
1/1 [=====] - 0s 72ms/step
>2733, dr[0.064,0.661], df[0.041,0.049], g[0.624,0.116]
1/1 [=====] - 0s 71ms/step
>2734, dr[0.065,0.531], df[0.197,0.074], g[1.265,0.090]
1/1 [=====] - 0s 69ms/step
>2735, dr[0.040,0.387], df[0.037,0.046], g[1.456,0.124]
1/1 [=====] - 0s 71ms/step
>2736, dr[0.164,0.390], df[0.018,0.034], g[1.433,0.115]
1/1 [=====] - 0s 66ms/step
>2737, dr[0.114,0.397], df[0.030,0.046], g[1.244,0.092]
1/1 [=====] - 0s 68ms/step
>2738, dr[0.088,0.718], df[0.100,0.173], g[1.149,0.164]
1/1 [=====] - 0s 79ms/step
>2739, dr[0.163,1.021], df[0.107,0.108], g[1.112,0.082]
1/1 [=====] - 0s 68ms/step
>2740, dr[0.017,0.324], df[0.046,0.146], g[0.589,0.182]
1/1 [=====] - 0s 73ms/step
>2741, dr[0.083,0.486], df[0.077,0.039], g[1.106,0.162]
1/1 [=====] - 0s 68ms/step
>2742, dr[0.015,0.681], df[0.053,0.118], g[0.824,0.144]
1/1 [=====] - 0s 76ms/step
>2743, dr[0.063,0.914], df[0.037,0.054], g[0.286,0.128]
1/1 [=====] - 0s 68ms/step
>2744, dr[0.056,0.652], df[0.090,0.056], g[0.508,0.137]
1/1 [=====] - 0s 76ms/step
>2745, dr[0.023,0.766], df[0.136,0.127], g[0.645,0.119]
1/1 [=====] - 0s 71ms/step
>2746, dr[0.041,0.431], df[0.046,0.165], g[0.599,0.059]
1/1 [=====] - 0s 76ms/step
>2747, dr[0.121,0.766], df[0.128,0.081], g[0.581,0.212]
1/1 [=====] - 0s 73ms/step
>2748, dr[0.071,0.687], df[0.176,0.083], g[0.989,0.080]
1/1 [=====] - 0s 67ms/step
>2749, dr[0.088,0.382], df[0.032,0.066], g[1.877,0.079]
1/1 [=====] - 0s 68ms/step
>2750, dr[0.242,0.386], df[0.033,0.092], g[1.015,0.083]
1/1 [=====] - 0s 67ms/step
>2751, dr[0.277,0.660], df[0.052,0.068], g[0.718,0.167]
1/1 [=====] - 0s 75ms/step
>2752, dr[0.039,0.637], df[0.098,0.039], g[0.488,0.098]
1/1 [=====] - 0s 68ms/step
>2753, dr[0.066,0.993], df[0.495,0.077], g[0.387,0.090]
1/1 [=====] - 0s 86ms/step
>2754, dr[0.030,0.709], df[0.247,0.106], g[0.993,0.076]
1/1 [=====] - 0s 75ms/step
>2755, dr[0.121,0.541], df[0.161,0.127], g[1.349,0.076]
1/1 [=====] - 0s 77ms/step
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>2756, dr[0.399,0.595], df[0.072,0.042], g[1.162,0.099]
1/1 [=====] - 0s 76ms/step
>2757, dr[0.234,0.569], df[0.052,0.192], g[0.869,0.191]
1/1 [=====] - 0s 67ms/step
>2758, dr[0.130,0.501], df[0.275,0.050], g[0.853,0.115]
1/1 [=====] - 0s 70ms/step
>2759, dr[0.051,0.805], df[0.254,0.051], g[0.756,0.184]
1/1 [=====] - 0s 67ms/step
>2760, dr[0.063,0.451], df[0.272,0.100], g[1.185,0.060]
1/1 [=====] - 0s 75ms/step
>2761, dr[0.131,0.434], df[0.080,0.083], g[1.363,0.078]
1/1 [=====] - 0s 68ms/step
>2762, dr[0.299,0.306], df[0.052,0.073], g[1.174,0.088]
1/1 [=====] - 0s 78ms/step
>2763, dr[0.356,0.457], df[0.195,0.088], g[1.035,0.088]
1/1 [=====] - 0s 68ms/step
>2764, dr[0.043,0.749], df[0.307,0.065], g[0.704,0.095]
1/1 [=====] - 0s 75ms/step
>2765, dr[0.093,0.442], df[0.550,0.090], g[1.339,0.069]
1/1 [=====] - 0s 72ms/step
>2766, dr[0.137,0.504], df[0.067,0.144], g[1.819,0.185]
1/1 [=====] - 0s 76ms/step
>2767, dr[0.502,0.632], df[0.066,0.079], g[2.366,0.129]
1/1 [=====] - 0s 69ms/step
>2768, dr[0.131,0.682], df[0.023,0.035], g[1.825,0.154]
1/1 [=====] - 0s 72ms/step
>2769, dr[0.415,0.579], df[0.104,0.057], g[0.788,0.099]
1/1 [=====] - 0s 69ms/step
>2770, dr[0.049,0.802], df[0.353,0.028], g[1.096,0.068]
1/1 [=====] - 0s 69ms/step
>2771, dr[0.085,0.518], df[0.434,0.124], g[1.152,0.154]
1/1 [=====] - 0s 69ms/step
>2772, dr[0.130,0.832], df[0.382,0.030], g[1.970,0.165]
1/1 [=====] - 0s 70ms/step
>2773, dr[0.120,0.895], df[0.237,0.092], g[1.645,0.068]
1/1 [=====] - 0s 70ms/step
>2774, dr[0.176,0.430], df[0.050,0.052], g[2.066,0.060]
1/1 [=====] - 0s 67ms/step
>2775, dr[0.289,0.589], df[0.121,0.039], g[2.253,0.092]
1/1 [=====] - 0s 75ms/step
>2776, dr[0.153,0.361], df[0.039,0.033], g[2.054,0.115]
1/1 [=====] - 0s 70ms/step
>2777, dr[0.194,0.375], df[0.147,0.044], g[1.979,0.053]
1/1 [=====] - 0s 77ms/step
>2778, dr[0.215,0.784], df[0.383,0.057], g[1.823,0.121]
1/1 [=====] - 0s 69ms/step
>2779, dr[0.070,0.514], df[0.175,0.049], g[2.392,0.226]
1/1 [=====] - 0s 75ms/step
>2780, dr[0.171,0.620], df[0.137,0.043], g[2.538,0.146]
1/1 [=====] - 0s 69ms/step
>2781, dr[0.242,0.418], df[0.063,0.235], g[2.358,0.112]
1/1 [=====] - 0s 78ms/step
>2782, dr[0.215,0.496], df[0.064,0.087], g[2.088,0.107]
1/1 [=====] - 0s 72ms/step
>2783, dr[0.182,0.621], df[0.157,0.090], g[2.388,0.053]
1/1 [=====] - 0s 70ms/step
>2784, dr[0.165,0.669], df[0.167,0.051], g[1.734,0.114]
1/1 [=====] - 0s 74ms/step
>2785, dr[0.051,1.035], df[0.181,0.073], g[2.271,0.116]
1/1 [=====] - 0s 75ms/step
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>2786, dr[0.078,0.585], df[0.260,0.045], g[2.409,0.150]
1/1 [=====] - 0s 68ms/step
>2787, dr[0.351,0.689], df[0.158,0.044], g[2.769,0.232]
1/1 [=====] - 0s 68ms/step
>2788, dr[0.099,0.550], df[0.076,0.083], g[2.278,0.114]
1/1 [=====] - 0s 68ms/step
>2789, dr[0.236,0.809], df[0.157,0.087], g[2.096,0.155]
1/1 [=====] - 0s 70ms/step
>2790, dr[0.162,0.484], df[0.281,0.088], g[2.654,0.082]
1/1 [=====] - 0s 74ms/step
>2791, dr[0.108,0.457], df[0.208,0.086], g[3.382,0.220]
1/1 [=====] - 0s 70ms/step
>2792, dr[0.198,0.697], df[0.114,0.179], g[3.738,0.194]
1/1 [=====] - 0s 73ms/step
>2793, dr[0.123,0.742], df[0.160,0.190], g[3.262,0.103]
1/1 [=====] - 0s 73ms/step
>2794, dr[0.086,0.551], df[0.015,0.050], g[3.753,0.188]
1/1 [=====] - 0s 78ms/step
>2795, dr[0.080,0.938], df[0.095,0.108], g[4.030,0.185]
1/1 [=====] - 0s 68ms/step
>2796, dr[0.066,0.617], df[0.124,0.082], g[3.744,0.239]
1/1 [=====] - 0s 75ms/step
>2797, dr[0.312,0.499], df[0.096,0.095], g[3.591,0.166]
1/1 [=====] - 0s 73ms/step
>2798, dr[0.372,0.763], df[0.175,0.106], g[2.758,0.139]
1/1 [=====] - 0s 74ms/step
>2799, dr[0.038,0.648], df[0.509,0.138], g[3.071,0.147]
1/1 [=====] - 0s 68ms/step
>2800, dr[0.257,0.627], df[0.281,0.119], g[2.522,0.261]
1/1 [=====] - 0s 70ms/step
>2801, dr[0.184,0.487], df[0.453,0.080], g[3.393,0.108]
1/1 [=====] - 0s 67ms/step
>2802, dr[0.129,0.416], df[0.117,0.204], g[4.601,0.192]
1/1 [=====] - 0s 72ms/step
>2803, dr[1.031,0.699], df[0.056,0.208], g[3.014,0.361]
1/1 [=====] - 0s 68ms/step
>2804, dr[0.289,0.706], df[0.231,0.190], g[2.518,0.212]
1/1 [=====] - 0s 73ms/step
>2805, dr[0.107,0.798], df[0.630,0.130], g[2.209,0.300]
1/1 [=====] - 0s 75ms/step
>2806, dr[0.021,0.430], df[0.381,0.076], g[2.202,0.203]
1/1 [=====] - 0s 69ms/step
>2807, dr[0.087,0.851], df[0.273,0.116], g[3.160,0.141]
1/1 [=====] - 0s 80ms/step
>2808, dr[0.150,0.492], df[0.371,0.288], g[4.359,0.138]
1/1 [=====] - 0s 70ms/step
>2809, dr[0.698,0.723], df[0.199,0.201], g[4.579,0.237]
1/1 [=====] - 0s 78ms/step
>2810, dr[0.838,0.464], df[0.083,0.126], g[4.277,0.170]
1/1 [=====] - 0s 67ms/step
>2811, dr[0.972,0.491], df[1.019,0.136], g[2.568,0.132]
4/4 [=====] - 0s 46ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 90ms/step
>2812, dr[0.122,0.591], df[0.282,0.198], g[2.182,0.167]
1/1 [=====] - 0s 112ms/step
>2813, dr[0.094,0.458], df[0.710,0.082], g[2.308,0.090]
1/1 [=====] - 0s 103ms/step

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>2814, dr[0.034,0.509], df[0.143,0.174], g[3.025,0.079]
1/1 [=====] - 0s 101ms/step
>2815, dr[0.155,0.431], df[0.098,0.073], g[3.779,0.137]
1/1 [=====] - 0s 148ms/step
>2816, dr[0.163,0.824], df[0.092,0.083], g[4.560,0.147]
1/1 [=====] - 0s 91ms/step
>2817, dr[0.324,0.747], df[0.037,0.051], g[3.871,0.203]
1/1 [=====] - 0s 91ms/step
>2818, dr[0.175,0.851], df[0.091,0.114], g[4.077,0.147]
1/1 [=====] - 0s 93ms/step
>2819, dr[0.096,0.858], df[0.051,0.147], g[2.746,0.246]
1/1 [=====] - 0s 91ms/step
>2820, dr[0.191,0.466], df[0.105,0.139], g[2.932,0.153]
1/1 [=====] - 0s 103ms/step
>2821, dr[0.063,0.940], df[0.187,0.071], g[2.802,0.145]
1/1 [=====] - 0s 92ms/step
>2822, dr[0.125,0.406], df[0.140,0.215], g[2.489,0.205]
1/1 [=====] - 0s 89ms/step
>2823, dr[0.108,0.634], df[0.379,0.122], g[1.904,0.333]
1/1 [=====] - 0s 109ms/step
>2824, dr[0.127,0.488], df[0.362,0.065], g[2.902,0.149]
1/1 [=====] - 0s 98ms/step
>2825, dr[0.063,0.232], df[0.178,0.074], g[2.910,0.151]
1/1 [=====] - 0s 95ms/step
>2826, dr[0.242,0.762], df[0.104,0.199], g[3.644,0.277]
1/1 [=====] - 0s 77ms/step
>2827, dr[0.418,0.518], df[0.074,0.122], g[3.025,0.193]
1/1 [=====] - 0s 80ms/step
>2828, dr[0.297,0.265], df[0.078,0.167], g[2.382,0.188]
1/1 [=====] - 0s 72ms/step
>2829, dr[0.157,0.540], df[0.154,0.145], g[2.074,0.143]
1/1 [=====] - 0s 76ms/step
>2830, dr[0.073,0.655], df[0.245,0.157], g[2.043,0.217]
1/1 [=====] - 0s 76ms/step
>2831, dr[0.100,0.527], df[0.278,0.093], g[2.394,0.142]
1/1 [=====] - 0s 75ms/step
>2832, dr[0.079,0.916], df[0.238,0.189], g[2.790,0.331]
1/1 [=====] - 0s 74ms/step
>2833, dr[0.121,0.995], df[0.145,0.127], g[3.700,0.158]
1/1 [=====] - 0s 87ms/step
>2834, dr[0.270,0.561], df[0.061,0.142], g[3.833,0.120]
1/1 [=====] - 0s 75ms/step
>2835, dr[0.298,0.835], df[0.085,0.281], g[4.218,0.139]
1/1 [=====] - 0s 75ms/step
>2836, dr[0.101,0.414], df[0.063,0.053], g[3.775,0.239]
1/1 [=====] - 0s 79ms/step
>2837, dr[0.365,0.601], df[0.061,0.252], g[2.540,0.121]
1/1 [=====] - 0s 73ms/step
>2838, dr[0.061,0.254], df[0.134,0.114], g[2.437,0.249]
1/1 [=====] - 0s 86ms/step
>2839, dr[0.057,0.665], df[0.347,0.212], g[2.543,0.211]
1/1 [=====] - 0s 72ms/step
>2840, dr[0.033,0.782], df[0.174,0.155], g[2.319,0.226]
1/1 [=====] - 0s 87ms/step
>2841, dr[0.086,0.460], df[0.042,0.088], g[2.757,0.154]
1/1 [=====] - 0s 74ms/step
>2842, dr[0.054,0.774], df[0.102,0.164], g[3.225,0.184]
1/1 [=====] - 0s 69ms/step
>2843, dr[0.030,0.240], df[0.041,0.159], g[3.970,0.179]
1/1 [=====] - 0s 75ms/step
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>2844, dr[0.127,0.516], df[0.029,0.167], g[4.702,0.177]
1/1 [=====] - 0s 68ms/step
>2845, dr[0.140,0.561], df[0.042,0.141], g[4.485,0.133]
1/1 [=====] - 0s 75ms/step
>2846, dr[0.087,1.055], df[0.060,0.181], g[4.056,0.170]
1/1 [=====] - 0s 70ms/step
>2847, dr[0.178,0.539], df[0.095,0.109], g[4.313,0.163]
1/1 [=====] - 0s 73ms/step
>2848, dr[0.081,0.670], df[0.088,0.077], g[3.659,0.102]
1/1 [=====] - 0s 73ms/step
>2849, dr[0.036,0.404], df[0.141,0.284], g[3.070,0.253]
1/1 [=====] - 0s 74ms/step
>2850, dr[0.066,0.428], df[0.066,0.116], g[4.297,0.159]
1/1 [=====] - 0s 76ms/step
>2851, dr[0.038,0.675], df[0.047,0.320], g[3.495,0.312]
1/1 [=====] - 0s 72ms/step
>2852, dr[0.037,0.305], df[0.064,0.155], g[4.152,0.133]
1/1 [=====] - 0s 77ms/step
>2853, dr[0.054,0.839], df[0.050,0.106], g[5.501,0.088]
1/1 [=====] - 0s 72ms/step
>2854, dr[0.049,0.613], df[0.033,0.181], g[4.838,0.068]
1/1 [=====] - 0s 77ms/step
>2855, dr[0.129,0.611], df[0.050,0.121], g[4.669,0.231]
1/1 [=====] - 0s 69ms/step
>2856, dr[0.015,0.465], df[0.051,0.054], g[4.231,0.270]
1/1 [=====] - 0s 74ms/step
>2857, dr[0.147,0.906], df[0.043,0.166], g[4.928,0.135]
1/1 [=====] - 0s 70ms/step
>2858, dr[0.289,0.493], df[0.080,0.146], g[3.727,0.212]
1/1 [=====] - 0s 68ms/step
>2859, dr[0.145,0.608], df[0.226,0.071], g[3.976,0.167]
1/1 [=====] - 0s 69ms/step
>2860, dr[0.060,0.809], df[0.117,0.040], g[3.853,0.121]
1/1 [=====] - 0s 71ms/step
>2861, dr[0.078,0.425], df[0.332,0.083], g[3.559,0.151]
1/1 [=====] - 0s 72ms/step
>2862, dr[0.024,0.691], df[0.111,0.146], g[3.868,0.168]
1/1 [=====] - 0s 68ms/step
>2863, dr[0.048,0.801], df[0.138,0.110], g[4.491,0.095]
1/1 [=====] - 0s 74ms/step
>2864, dr[0.117,0.516], df[0.088,0.091], g[4.028,0.078]
1/1 [=====] - 0s 72ms/step
>2865, dr[0.074,1.313], df[0.053,0.123], g[4.546,0.297]
1/1 [=====] - 0s 76ms/step
>2866, dr[0.091,0.631], df[0.097,0.093], g[4.634,0.129]
1/1 [=====] - 0s 72ms/step
>2867, dr[0.117,0.362], df[0.074,0.233], g[5.065,0.218]
1/1 [=====] - 0s 77ms/step
>2868, dr[0.080,0.332], df[0.046,0.089], g[4.988,0.129]
1/1 [=====] - 0s 73ms/step
>2869, dr[0.111,0.767], df[0.155,0.187], g[3.916,0.226]
1/1 [=====] - 0s 74ms/step
>2870, dr[0.079,0.731], df[0.020,0.051], g[4.195,0.088]
1/1 [=====] - 0s 68ms/step
>2871, dr[0.019,0.393], df[0.205,0.149], g[4.586,0.234]
1/1 [=====] - 0s 74ms/step
>2872, dr[0.073,0.798], df[0.063,0.142], g[4.970,0.096]
1/1 [=====] - 0s 72ms/step
>2873, dr[0.135,0.907], df[0.074,0.113], g[5.440,0.285]
1/1 [=====] - 0s 72ms/step
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>2874, dr[0.173,0.419], df[0.033,0.086], g[5.722,0.199]
1/1 [=====] - 0s 69ms/step
>2875, dr[0.043,0.566], df[0.109,0.148], g[5.420,0.177]
1/1 [=====] - 0s 69ms/step
>2876, dr[0.243,0.393], df[0.152,0.267], g[5.215,0.102]
1/1 [=====] - 0s 71ms/step
>2877, dr[0.044,0.561], df[0.055,0.108], g[5.276,0.086]
1/1 [=====] - 0s 69ms/step
>2878, dr[0.049,0.808], df[0.231,0.227], g[4.282,0.177]
1/1 [=====] - 0s 75ms/step
>2879, dr[0.038,0.539], df[0.147,0.108], g[5.126,0.098]
1/1 [=====] - 0s 72ms/step
>2880, dr[0.110,0.314], df[0.097,0.040], g[4.754,0.072]
1/1 [=====] - 0s 77ms/step
>2881, dr[0.121,0.417], df[0.131,0.049], g[5.449,0.230]
1/1 [=====] - 0s 69ms/step
>2882, dr[0.077,0.799], df[0.075,0.105], g[4.922,0.108]
1/1 [=====] - 0s 75ms/step
>2883, dr[0.030,0.636], df[0.020,0.076], g[4.581,0.096]
1/1 [=====] - 0s 74ms/step
>2884, dr[0.098,0.478], df[0.108,0.054], g[3.925,0.148]
1/1 [=====] - 0s 75ms/step
>2885, dr[0.043,0.336], df[0.127,0.123], g[4.638,0.108]
1/1 [=====] - 0s 71ms/step
>2886, dr[0.040,0.281], df[0.153,0.044], g[4.350,0.128]
1/1 [=====] - 0s 71ms/step
>2887, dr[0.312,0.520], df[0.124,0.270], g[4.514,0.139]
1/1 [=====] - 0s 68ms/step
>2888, dr[0.186,0.672], df[0.278,0.132], g[4.290,0.100]
1/1 [=====] - 0s 68ms/step
>2889, dr[0.117,0.571], df[0.188,0.073], g[3.233,0.165]
1/1 [=====] - 0s 71ms/step
>2890, dr[0.028,0.727], df[0.068,0.139], g[2.974,0.124]
1/1 [=====] - 0s 67ms/step
>2891, dr[0.056,0.517], df[0.060,0.160], g[4.098,0.330]
1/1 [=====] - 0s 73ms/step
>2892, dr[0.151,0.771], df[0.052,0.084], g[3.042,0.095]
1/1 [=====] - 0s 71ms/step
>2893, dr[0.105,0.878], df[0.139,0.055], g[3.487,0.241]
1/1 [=====] - 0s 75ms/step
>2894, dr[0.152,0.373], df[0.258,0.389], g[3.843,0.235]
1/1 [=====] - 0s 85ms/step
>2895, dr[0.051,0.672], df[0.131,0.175], g[3.287,0.157]
1/1 [=====] - 0s 85ms/step
>2896, dr[0.070,0.584], df[0.095,0.041], g[4.274,0.222]
1/1 [=====] - 0s 88ms/step
>2897, dr[0.224,0.585], df[0.066,0.112], g[3.692,0.094]
1/1 [=====] - 0s 81ms/step
>2898, dr[0.127,0.515], df[0.248,0.117], g[4.219,0.102]
1/1 [=====] - 0s 90ms/step
>2899, dr[0.184,0.657], df[0.076,0.237], g[4.151,0.158]
1/1 [=====] - 0s 96ms/step
>2900, dr[0.056,1.060], df[0.286,0.155], g[4.166,0.108]
1/1 [=====] - 0s 84ms/step
>2901, dr[0.121,0.635], df[0.037,0.057], g[3.853,0.095]
1/1 [=====] - 0s 94ms/step
>2902, dr[0.190,0.640], df[0.036,0.064], g[4.963,0.068]
1/1 [=====] - 0s 79ms/step
>2903, dr[0.095,0.629], df[0.082,0.106], g[3.196,0.174]
1/1 [=====] - 0s 79ms/step
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>2904, dr[0.020,0.727], df[0.028,0.052], g[3.115,0.169]
1/1 [=====] - 0s 71ms/step
>2905, dr[0.107,0.625], df[0.080,0.179], g[2.448,0.184]
1/1 [=====] - 0s 75ms/step
>2906, dr[0.051,0.504], df[0.108,0.047], g[3.309,0.101]
1/1 [=====] - 0s 75ms/step
>2907, dr[0.026,0.786], df[0.042,0.166], g[2.774,0.136]
1/1 [=====] - 0s 98ms/step
>2908, dr[0.049,0.753], df[0.163,0.094], g[2.546,0.149]
1/1 [=====] - 0s 73ms/step
>2909, dr[0.132,0.741], df[0.133,0.052], g[2.472,0.121]
1/1 [=====] - 0s 69ms/step
>2910, dr[0.033,0.367], df[0.224,0.041], g[2.745,0.180]
1/1 [=====] - 0s 77ms/step
>2911, dr[0.122,0.414], df[0.124,0.075], g[2.942,0.131]
1/1 [=====] - 0s 69ms/step
>2912, dr[0.069,0.813], df[0.068,0.171], g[3.538,0.113]
1/1 [=====] - 0s 77ms/step
>2913, dr[0.095,0.713], df[0.070,0.078], g[3.454,0.189]
1/1 [=====] - 0s 69ms/step
>2914, dr[0.233,0.768], df[0.123,0.151], g[2.993,0.241]
1/1 [=====] - 0s 77ms/step
>2915, dr[0.082,0.422], df[0.056,0.150], g[2.334,0.183]
1/1 [=====] - 0s 70ms/step
>2916, dr[0.225,1.050], df[0.229,0.197], g[1.701,0.310]
1/1 [=====] - 0s 72ms/step
>2917, dr[0.117,0.733], df[0.107,0.075], g[1.455,0.209]
1/1 [=====] - 0s 73ms/step
>2918, dr[0.207,0.771], df[0.138,0.059], g[1.257,0.164]
1/1 [=====] - 0s 68ms/step
>2919, dr[0.034,0.534], df[0.422,0.057], g[1.540,0.162]
1/1 [=====] - 0s 78ms/step
>2920, dr[0.053,0.655], df[0.098,0.105], g[1.926,0.296]
1/1 [=====] - 0s 71ms/step
>2921, dr[0.050,0.802], df[0.110,0.142], g[2.484,0.345]
1/1 [=====] - 0s 75ms/step
>2922, dr[0.171,0.742], df[0.046,0.295], g[3.305,0.156]
1/1 [=====] - 0s 73ms/step
>2923, dr[0.357,0.433], df[0.049,0.114], g[2.645,0.161]
1/1 [=====] - 0s 75ms/step
>2924, dr[0.138,0.546], df[0.048,0.130], g[2.338,0.164]
1/1 [=====] - 0s 70ms/step
>2925, dr[0.143,0.447], df[0.140,0.151], g[2.054,0.148]
1/1 [=====] - 0s 70ms/step
>2926, dr[0.121,0.629], df[0.063,0.327], g[1.265,0.221]
1/1 [=====] - 0s 70ms/step
>2927, dr[0.059,0.462], df[0.345,0.084], g[1.999,0.222]
1/1 [=====] - 0s 70ms/step
>2928, dr[0.117,0.802], df[0.210,0.140], g[1.724,0.142]
1/1 [=====] - 0s 69ms/step
>2929, dr[0.165,0.579], df[0.167,0.084], g[2.263,0.152]
1/1 [=====] - 0s 70ms/step
>2930, dr[0.099,0.294], df[0.111,0.351], g[2.315,0.078]
1/1 [=====] - 0s 72ms/step
>2931, dr[0.183,0.508], df[0.181,0.170], g[1.931,0.183]
1/1 [=====] - 0s 69ms/step
>2932, dr[0.172,0.549], df[0.216,0.083], g[2.210,0.189]
1/1 [=====] - 0s 83ms/step
>2933, dr[0.191,0.489], df[0.106,0.173], g[2.039,0.253]
1/1 [=====] - 0s 70ms/step
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>2934, dr[0.154,0.574], df[0.140,0.228], g[1.758,0.131]
1/1 [=====] - 0s 76ms/step
>2935, dr[0.229,0.627], df[0.229,0.120], g[1.476,0.229]
1/1 [=====] - 0s 72ms/step
>2936, dr[0.091,0.457], df[0.166,0.249], g[1.596,0.512]
1/1 [=====] - 0s 74ms/step
>2937, dr[0.039,0.462], df[0.159,0.178], g[1.713,0.124]
1/1 [=====] - 0s 69ms/step
>2938, dr[0.096,0.283], df[0.088,0.128], g[2.244,0.152]
1/1 [=====] - 0s 75ms/step
>2939, dr[0.154,0.558], df[0.062,0.173], g[2.503,0.285]
1/1 [=====] - 0s 70ms/step
>2940, dr[0.163,1.364], df[0.111,0.052], g[1.667,0.230]
1/1 [=====] - 0s 71ms/step
>2941, dr[0.233,0.556], df[0.084,0.223], g[1.280,0.166]
1/1 [=====] - 0s 70ms/step
>2942, dr[0.132,0.390], df[0.460,0.058], g[0.801,0.183]
1/1 [=====] - 0s 74ms/step
>2943, dr[0.138,0.659], df[1.109,0.286], g[2.342,0.147]
1/1 [=====] - 0s 76ms/step
>2944, dr[0.195,0.695], df[0.071,0.187], g[2.688,0.154]
1/1 [=====] - 0s 74ms/step
>2945, dr[0.955,0.430], df[0.051,0.035], g[2.041,0.151]
1/1 [=====] - 0s 76ms/step
>2946, dr[0.125,0.732], df[0.163,0.143], g[1.991,0.332]
1/1 [=====] - 0s 70ms/step
>2947, dr[0.214,0.664], df[0.614,0.185], g[1.657,0.181]
1/1 [=====] - 0s 82ms/step
>2948, dr[0.052,0.658], df[0.253,0.106], g[2.104,0.238]
1/1 [=====] - 0s 71ms/step
>2949, dr[0.191,0.801], df[0.110,0.047], g[3.211,0.159]
1/1 [=====] - 0s 76ms/step
>2950, dr[0.294,0.579], df[0.088,0.028], g[2.715,0.125]
1/1 [=====] - 0s 70ms/step
>2951, dr[0.214,0.495], df[0.293,0.049], g[2.779,0.106]
1/1 [=====] - 0s 81ms/step
>2952, dr[0.119,0.645], df[0.165,0.188], g[2.314,0.198]
1/1 [=====] - 0s 68ms/step
>2953, dr[0.102,0.554], df[0.686,0.155], g[1.881,0.251]
1/1 [=====] - 0s 70ms/step
>2954, dr[0.322,0.561], df[0.157,0.122], g[4.073,0.181]
1/1 [=====] - 0s 73ms/step
>2955, dr[0.164,0.554], df[0.131,0.062], g[2.682,0.116]
1/1 [=====] - 0s 69ms/step
>2956, dr[0.086,0.849], df[0.039,0.113], g[3.353,0.304]
1/1 [=====] - 0s 69ms/step
>2957, dr[0.197,0.568], df[0.024,0.188], g[2.926,0.182]
1/1 [=====] - 0s 79ms/step
>2958, dr[0.161,0.575], df[0.171,0.078], g[2.750,0.116]
1/1 [=====] - 0s 80ms/step
>2959, dr[0.164,0.522], df[0.350,0.179], g[2.393,0.118]
1/1 [=====] - 0s 70ms/step
>2960, dr[0.140,0.438], df[0.108,0.103], g[2.615,0.192]
1/1 [=====] - 0s 77ms/step
>2961, dr[0.332,0.651], df[0.111,0.135], g[2.087,0.349]
1/1 [=====] - 0s 69ms/step
>2962, dr[0.109,0.782], df[0.185,0.279], g[2.135,0.255]
1/1 [=====] - 0s 73ms/step
>2963, dr[0.023,0.694], df[0.296,0.150], g[2.521,0.131]
1/1 [=====] - 0s 70ms/step
```

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>2964, dr[0.076,0.620], df[0.085,0.187], g[2.893,0.142]
1/1 [=====] - 0s 71ms/step
>2965, dr[0.120,0.907], df[0.067,0.200], g[3.063,0.207]
1/1 [=====] - 0s 72ms/step
>2966, dr[0.075,0.485], df[0.041,0.091], g[3.447,0.343]
1/1 [=====] - 0s 68ms/step
>2967, dr[0.180,0.549], df[0.019,0.111], g[3.192,0.209]
1/1 [=====] - 0s 70ms/step
>2968, dr[0.368,0.535], df[0.039,0.183], g[2.497,0.324]
1/1 [=====] - 0s 68ms/step
>2969, dr[0.037,0.726], df[0.055,0.327], g[2.055,0.191]
1/1 [=====] - 0s 72ms/step
>2970, dr[0.069,0.770], df[0.110,0.215], g[2.159,0.094]
1/1 [=====] - 0s 69ms/step
>2971, dr[0.022,0.413], df[0.073,0.154], g[1.793,0.414]
1/1 [=====] - 0s 77ms/step
>2972, dr[0.034,0.293], df[0.152,0.089], g[1.442,0.158]
1/1 [=====] - 0s 72ms/step
>2973, dr[0.033,0.370], df[0.156,0.161], g[1.428,0.196]
1/1 [=====] - 0s 75ms/step
>2974, dr[0.033,0.494], df[0.064,0.105], g[1.661,0.391]
1/1 [=====] - 0s 69ms/step
>2975, dr[0.028,0.734], df[0.185,0.108], g[2.346,0.144]
1/1 [=====] - 0s 76ms/step
>2976, dr[0.198,0.505], df[0.104,0.156], g[2.180,0.230]
1/1 [=====] - 0s 71ms/step
>2977, dr[0.320,0.375], df[0.044,0.146], g[1.927,0.147]
1/1 [=====] - 0s 75ms/step
>2978, dr[0.164,0.550], df[0.025,0.247], g[1.804,0.212]
1/1 [=====] - 0s 71ms/step
>2979, dr[0.068,0.367], df[0.096,0.057], g[1.391,0.191]
1/1 [=====] - 0s 70ms/step
>2980, dr[0.049,0.654], df[0.343,0.064], g[1.173,0.296]
1/1 [=====] - 0s 70ms/step
>2981, dr[0.041,0.491], df[0.328,0.107], g[1.528,0.200]
1/1 [=====] - 0s 68ms/step
>2982, dr[0.133,0.624], df[0.204,0.120], g[2.047,0.162]
1/1 [=====] - 0s 75ms/step
>2983, dr[0.247,0.759], df[0.046,0.115], g[2.573,0.202]
1/1 [=====] - 0s 70ms/step
>2984, dr[0.285,1.136], df[0.099,0.094], g[2.566,0.095]
1/1 [=====] - 0s 74ms/step
>2985, dr[0.275,0.799], df[0.074,0.190], g[1.770,0.241]
1/1 [=====] - 0s 69ms/step
>2986, dr[0.063,0.669], df[0.359,0.198], g[2.563,0.246]
1/1 [=====] - 0s 76ms/step
>2987, dr[0.156,0.614], df[0.125,0.030], g[2.104,0.147]
1/1 [=====] - 0s 71ms/step
>2988, dr[0.090,1.324], df[0.394,0.139], g[2.633,0.208]
1/1 [=====] - 0s 75ms/step
>2989, dr[0.608,0.752], df[0.169,0.081], g[2.209,0.173]
1/1 [=====] - 0s 72ms/step
>2990, dr[0.121,0.478], df[0.253,0.055], g[2.591,0.233]
1/1 [=====] - 0s 71ms/step
>2991, dr[0.059,0.972], df[0.322,0.121], g[2.682,0.104]
1/1 [=====] - 0s 69ms/step
>2992, dr[0.139,0.747], df[0.063,0.056], g[4.170,0.139]
1/1 [=====] - 0s 69ms/step
>2993, dr[0.579,0.708], df[0.233,0.157], g[2.950,0.240]
1/1 [=====] - 0s 70ms/step
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>2994, dr[0.261,0.690], df[0.274,0.132], g[2.548,0.187]
1/1 [=====] - 0s 68ms/step
>2995, dr[0.161,0.321], df[0.215,0.272], g[2.375,0.154]
1/1 [=====] - 0s 78ms/step
>2996, dr[0.133,0.451], df[0.179,0.108], g[2.328,0.177]
1/1 [=====] - 0s 73ms/step
>2997, dr[0.314,0.598], df[0.136,0.167], g[2.424,0.301]
1/1 [=====] - 0s 83ms/step
>2998, dr[0.092,0.700], df[0.400,0.096], g[2.141,0.181]
1/1 [=====] - 0s 83ms/step
>2999, dr[0.286,0.508], df[0.360,0.128], g[2.466,0.250]
1/1 [=====] - 0s 79ms/step
>3000, dr[0.199,0.423], df[0.294,0.187], g[2.824,0.129]
1/1 [=====] - 0s 71ms/step
>3001, dr[0.344,0.475], df[0.178,0.262], g[2.470,0.127]
1/1 [=====] - 0s 69ms/step
>3002, dr[0.129,0.651], df[0.152,0.074], g[3.075,0.064]
1/1 [=====] - 0s 80ms/step
>3003, dr[0.270,0.318], df[0.319,0.076], g[2.708,0.188]
1/1 [=====] - 0s 75ms/step
>3004, dr[0.060,0.639], df[0.150,0.160], g[2.752,0.215]
1/1 [=====] - 0s 78ms/step
>3005, dr[0.143,0.731], df[0.100,0.049], g[2.964,0.177]
1/1 [=====] - 0s 70ms/step
>3006, dr[0.197,0.665], df[0.193,0.218], g[3.000,0.124]
1/1 [=====] - 0s 78ms/step
>3007, dr[0.247,0.850], df[0.274,0.153], g[2.508,0.200]
1/1 [=====] - 0s 104ms/step
>3008, dr[0.088,0.812], df[0.107,0.209], g[2.288,0.179]
1/1 [=====] - 0s 92ms/step
>3009, dr[0.040,0.756], df[0.059,0.205], g[2.429,0.285]
1/1 [=====] - 0s 87ms/step
>3010, dr[0.126,0.621], df[0.144,0.151], g[2.775,0.224]
1/1 [=====] - 0s 73ms/step
>3011, dr[0.136,0.948], df[0.245,0.227], g[2.706,0.145]
1/1 [=====] - 0s 70ms/step
>3012, dr[0.214,0.955], df[0.245,0.170], g[3.183,0.123]
1/1 [=====] - 0s 70ms/step
>3013, dr[0.132,0.473], df[0.171,0.161], g[2.965,0.193]
1/1 [=====] - 0s 69ms/step
>3014, dr[0.173,0.650], df[0.078,0.173], g[3.389,0.152]
1/1 [=====] - 0s 77ms/step
>3015, dr[0.105,1.331], df[0.074,0.081], g[3.435,0.165]
1/1 [=====] - 0s 74ms/step
>3016, dr[0.221,0.697], df[0.088,0.067], g[2.709,0.098]
1/1 [=====] - 0s 75ms/step
>3017, dr[0.119,0.744], df[0.299,0.108], g[2.556,0.145]
1/1 [=====] - 0s 69ms/step
>3018, dr[0.142,0.488], df[0.143,0.092], g[2.083,0.135]
1/1 [=====] - 0s 75ms/step
>3019, dr[0.075,0.857], df[0.105,0.180], g[2.639,0.326]
1/1 [=====] - 0s 72ms/step
>3020, dr[0.044,0.282], df[0.089,0.111], g[2.567,0.294]
1/1 [=====] - 0s 82ms/step
>3021, dr[0.210,0.793], df[0.158,0.070], g[2.679,0.096]
1/1 [=====] - 0s 73ms/step
>3022, dr[0.103,0.598], df[0.091,0.195], g[1.977,0.236]
1/1 [=====] - 0s 72ms/step
>3023, dr[0.130,0.951], df[0.075,0.176], g[2.136,0.144]
1/1 [=====] - 0s 93ms/step
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>3024, dr[0.143,0.596], df[0.395,0.076], g[1.452,0.161]
1/1 [=====] - 0s 71ms/step
>3025, dr[0.108,0.676], df[0.400,0.200], g[2.002,0.276]
1/1 [=====] - 0s 74ms/step
>3026, dr[0.092,0.665], df[0.255,0.156], g[2.670,0.124]
1/1 [=====] - 0s 73ms/step
>3027, dr[0.184,0.602], df[0.071,0.087], g[3.670,0.128]
1/1 [=====] - 0s 68ms/step
>3028, dr[0.463,0.571], df[0.043,0.078], g[2.384,0.180]
1/1 [=====] - 0s 75ms/step
>3029, dr[0.296,0.333], df[0.104,0.037], g[2.490,0.127]
1/1 [=====] - 0s 70ms/step
>3030, dr[0.664,0.721], df[0.343,0.155], g[1.514,0.195]
1/1 [=====] - 0s 76ms/step
>3031, dr[0.114,0.611], df[0.970,0.210], g[1.756,0.075]
1/1 [=====] - 0s 69ms/step
>3032, dr[0.085,0.526], df[0.133,0.153], g[1.957,0.162]
1/1 [=====] - 0s 79ms/step
>3033, dr[0.554,0.533], df[0.135,0.103], g[2.399,0.195]
1/1 [=====] - 0s 72ms/step
>3034, dr[0.305,0.437], df[0.214,0.105], g[2.489,0.108]
1/1 [=====] - 0s 75ms/step
>3035, dr[0.087,0.464], df[0.103,0.243], g[2.085,0.132]
1/1 [=====] - 0s 72ms/step
>3036, dr[0.154,0.455], df[0.247,0.153], g[2.148,0.139]
1/1 [=====] - 0s 71ms/step
>3037, dr[0.162,1.120], df[0.387,0.185], g[2.769,0.143]
1/1 [=====] - 0s 71ms/step
>3038, dr[0.530,0.681], df[0.278,0.131], g[2.874,0.084]
1/1 [=====] - 0s 75ms/step
>3039, dr[0.299,0.733], df[0.663,0.168], g[2.558,0.079]
1/1 [=====] - 0s 90ms/step
>3040, dr[0.115,0.671], df[0.258,0.126], g[3.877,0.093]
1/1 [=====] - 0s 82ms/step
>3041, dr[0.217,0.473], df[0.118,0.192], g[3.854,0.105]
1/1 [=====] - 0s 89ms/step
>3042, dr[0.204,1.143], df[0.162,0.081], g[3.940,0.112]
1/1 [=====] - 0s 71ms/step
>3043, dr[0.195,0.646], df[0.036,0.138], g[3.500,0.129]
1/1 [=====] - 0s 73ms/step
>3044, dr[0.219,0.428], df[0.042,0.160], g[3.860,0.153]
1/1 [=====] - 0s 74ms/step
>3045, dr[0.101,0.523], df[0.067,0.095], g[3.530,0.068]
1/1 [=====] - 0s 72ms/step
>3046, dr[0.198,0.411], df[0.126,0.158], g[3.125,0.165]
1/1 [=====] - 0s 74ms/step
>3047, dr[0.097,0.525], df[0.167,0.191], g[2.951,0.098]
1/1 [=====] - 0s 74ms/step
>3048, dr[0.174,0.622], df[0.091,0.089], g[3.642,0.101]
1/1 [=====] - 0s 79ms/step
>3049, dr[0.014,0.204], df[0.038,0.123], g[3.533,0.103]
1/1 [=====] - 0s 78ms/step
>3050, dr[0.029,0.628], df[0.127,0.123], g[3.526,0.148]
1/1 [=====] - 0s 80ms/step
>3051, dr[0.055,0.561], df[0.172,0.309], g[4.732,0.108]
1/1 [=====] - 0s 74ms/step
>3052, dr[0.237,0.431], df[0.068,0.155], g[4.635,0.138]
1/1 [=====] - 0s 82ms/step
>3053, dr[0.131,0.669], df[0.055,0.131], g[4.637,0.146]
1/1 [=====] - 0s 76ms/step
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>3054, dr[0.107,0.440], df[0.043,0.191], g[4.173,0.162]
1/1 [=====] - 0s 71ms/step
>3055, dr[0.101,0.665], df[0.045,0.078], g[3.518,0.073]
1/1 [=====] - 0s 74ms/step
>3056, dr[0.028,0.311], df[0.116,0.104], g[3.140,0.116]
1/1 [=====] - 0s 79ms/step
>3057, dr[0.063,0.796], df[0.142,0.105], g[3.453,0.074]
1/1 [=====] - 0s 78ms/step
>3058, dr[0.031,0.394], df[0.217,0.108], g[3.108,0.112]
1/1 [=====] - 0s 74ms/step
>3059, dr[0.200,1.180], df[0.095,0.172], g[2.512,0.135]
1/1 [=====] - 0s 79ms/step
>3060, dr[0.107,0.698], df[0.147,0.134], g[3.127,0.132]
1/1 [=====] - 0s 72ms/step
>3061, dr[0.080,0.595], df[0.275,0.057], g[3.814,0.100]
1/1 [=====] - 0s 70ms/step
>3062, dr[0.109,0.587], df[0.096,0.100], g[3.001,0.200]
1/1 [=====] - 0s 71ms/step
>3063, dr[0.105,0.436], df[0.100,0.138], g[2.946,0.226]
1/1 [=====] - 0s 71ms/step
>3064, dr[0.265,0.626], df[0.149,0.153], g[3.042,0.124]
1/1 [=====] - 0s 71ms/step
>3065, dr[0.057,0.693], df[0.217,0.109], g[2.777,0.113]
1/1 [=====] - 0s 74ms/step
>3066, dr[0.132,0.398], df[0.172,0.072], g[3.239,0.062]
1/1 [=====] - 0s 79ms/step
>3067, dr[0.276,0.383], df[0.111,0.107], g[2.993,0.181]
1/1 [=====] - 0s 75ms/step
>3068, dr[0.150,0.864], df[0.086,0.189], g[2.201,0.212]
1/1 [=====] - 0s 80ms/step
>3069, dr[0.054,0.724], df[0.099,0.098], g[2.930,0.157]
1/1 [=====] - 0s 74ms/step
>3070, dr[0.129,0.482], df[0.078,0.113], g[2.100,0.224]
1/1 [=====] - 0s 74ms/step
>3071, dr[0.028,1.113], df[0.203,0.235], g[2.999,0.175]
1/1 [=====] - 0s 71ms/step
>3072, dr[0.057,0.489], df[0.090,0.063], g[2.669,0.170]
1/1 [=====] - 0s 70ms/step
>3073, dr[0.122,0.846], df[0.065,0.106], g[3.360,0.117]
1/1 [=====] - 0s 70ms/step
>3074, dr[0.140,0.734], df[0.050,0.140], g[2.381,0.173]
1/1 [=====] - 0s 72ms/step
>3075, dr[0.124,0.481], df[0.110,0.112], g[2.737,0.151]
1/1 [=====] - 0s 73ms/step
>3076, dr[0.078,0.475], df[0.191,0.255], g[1.850,0.222]
1/1 [=====] - 0s 69ms/step
>3077, dr[0.024,1.239], df[0.328,0.146], g[2.967,0.100]
1/1 [=====] - 0s 78ms/step
>3078, dr[0.041,0.515], df[0.126,0.286], g[3.118,0.102]
1/1 [=====] - 0s 75ms/step
>3079, dr[0.051,0.477], df[0.035,0.125], g[3.383,0.122]
1/1 [=====] - 0s 77ms/step
>3080, dr[0.245,0.646], df[0.049,0.165], g[3.346,0.248]
1/1 [=====] - 0s 70ms/step
>3081, dr[0.299,0.577], df[0.025,0.115], g[2.701,0.147]
1/1 [=====] - 0s 76ms/step
>3082, dr[0.262,0.277], df[0.243,0.148], g[1.726,0.218]
1/1 [=====] - 0s 71ms/step
>3083, dr[0.159,0.726], df[0.247,0.216], g[1.028,0.241]
1/1 [=====] - 0s 70ms/step
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>3084, dr[0.143,0.494], df[0.319,0.132], g[1.227,0.185]
1/1 [=====] - 0s 71ms/step
>3085, dr[0.046,0.785], df[0.210,0.259], g[1.659,0.135]
1/1 [=====] - 0s 71ms/step
>3086, dr[0.166,0.419], df[0.611,0.133], g[2.576,0.212]
1/1 [=====] - 0s 84ms/step
>3087, dr[0.452,0.308], df[0.201,0.094], g[2.572,0.250]
1/1 [=====] - 0s 72ms/step
>3088, dr[0.223,0.469], df[0.142,0.070], g[3.189,0.073]
1/1 [=====] - 0s 75ms/step
>3089, dr[0.242,0.467], df[0.111,0.366], g[3.380,0.385]
1/1 [=====] - 0s 71ms/step
>3090, dr[0.114,0.898], df[0.053,0.097], g[3.333,0.150]
1/1 [=====] - 0s 78ms/step
>3091, dr[0.351,0.706], df[0.189,0.364], g[2.969,0.082]
1/1 [=====] - 0s 70ms/step
>3092, dr[0.062,0.332], df[0.504,0.235], g[2.828,0.162]
1/1 [=====] - 0s 72ms/step
>3093, dr[0.177,0.407], df[0.145,0.185], g[2.722,0.236]
1/1 [=====] - 0s 69ms/step
>3094, dr[0.041,0.405], df[0.198,0.111], g[3.757,0.160]
1/1 [=====] - 0s 70ms/step
>3095, dr[0.152,0.750], df[0.044,0.271], g[3.665,0.339]
1/1 [=====] - 0s 69ms/step
>3096, dr[0.284,0.487], df[0.134,0.135], g[3.419,0.238]
1/1 [=====] - 0s 70ms/step
>3097, dr[0.122,0.682], df[0.078,0.160], g[3.273,0.159]
1/1 [=====] - 0s 75ms/step
>3098, dr[0.136,0.667], df[0.196,0.150], g[2.971,0.362]
1/1 [=====] - 0s 74ms/step
>3099, dr[0.074,0.856], df[0.180,0.140], g[2.152,0.159]
1/1 [=====] - 0s 77ms/step
>3100, dr[0.109,0.594], df[0.149,0.186], g[3.020,0.209]
1/1 [=====] - 0s 69ms/step
>3101, dr[0.232,0.690], df[0.111,0.050], g[2.541,0.204]
1/1 [=====] - 0s 83ms/step
>3102, dr[0.043,0.285], df[0.216,0.106], g[2.836,0.210]
1/1 [=====] - 0s 70ms/step
>3103, dr[0.056,0.251], df[0.055,0.073], g[3.062,0.133]
1/1 [=====] - 0s 78ms/step
>3104, dr[0.144,0.515], df[0.230,0.167], g[3.694,0.110]
1/1 [=====] - 0s 72ms/step
>3105, dr[0.156,0.655], df[0.077,0.202], g[4.346,0.127]
1/1 [=====] - 0s 75ms/step
>3106, dr[0.332,0.617], df[0.112,0.102], g[3.313,0.214]
1/1 [=====] - 0s 76ms/step
>3107, dr[0.146,0.644], df[0.117,0.260], g[3.981,0.217]
1/1 [=====] - 0s 87ms/step
>3108, dr[0.069,0.731], df[0.203,0.192], g[3.852,0.093]
1/1 [=====] - 0s 77ms/step
>3109, dr[0.211,0.581], df[0.087,0.039], g[3.526,0.169]
1/1 [=====] - 0s 79ms/step
>3110, dr[0.228,0.451], df[0.142,0.210], g[3.691,0.073]
1/1 [=====] - 0s 77ms/step
>3111, dr[0.196,0.591], df[0.197,0.242], g[3.028,0.192]
1/1 [=====] - 0s 85ms/step
>3112, dr[0.315,0.555], df[0.260,0.310], g[2.880,0.112]
1/1 [=====] - 0s 79ms/step
>3113, dr[0.064,0.898], df[0.159,0.160], g[2.816,0.151]
1/1 [=====] - 0s 84ms/step
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>3114, dr[0.124,1.059], df[0.457,0.318], g[2.875,0.219]
1/1 [=====] - 0s 79ms/step
>3115, dr[0.353,1.148], df[0.078,0.139], g[3.829,0.091]
1/1 [=====] - 0s 74ms/step
>3116, dr[0.109,0.425], df[0.106,0.151], g[4.288,0.102]
1/1 [=====] - 0s 74ms/step
>3117, dr[0.097,0.653], df[0.097,0.106], g[4.082,0.092]
1/1 [=====] - 0s 86ms/step
>3118, dr[0.101,0.472], df[0.070,0.263], g[4.015,0.127]
1/1 [=====] - 0s 82ms/step
>3119, dr[0.234,0.464], df[0.163,0.061], g[3.122,0.143]
1/1 [=====] - 0s 83ms/step
>3120, dr[0.091,0.380], df[0.147,0.134], g[3.739,0.161]
1/1 [=====] - 0s 86ms/step
>3121, dr[0.159,0.411], df[0.135,0.200], g[2.598,0.160]
1/1 [=====] - 0s 75ms/step
>3122, dr[0.037,0.372], df[0.147,0.063], g[3.148,0.096]
1/1 [=====] - 0s 84ms/step
>3123, dr[0.103,0.726], df[0.202,0.077], g[3.977,0.114]
1/1 [=====] - 0s 82ms/step
>3124, dr[0.264,0.438], df[0.109,0.290], g[3.964,0.160]
1/1 [=====] - 0s 80ms/step
>3125, dr[0.057,0.631], df[0.244,0.179], g[3.589,0.094]
1/1 [=====] - 0s 87ms/step
>3126, dr[0.041,0.577], df[0.067,0.066], g[3.895,0.108]
1/1 [=====] - 0s 84ms/step
>3127, dr[0.105,0.491], df[0.069,0.171], g[4.004,0.155]
1/1 [=====] - 0s 82ms/step
>3128, dr[0.099,0.262], df[0.047,0.132], g[4.384,0.091]
1/1 [=====] - 0s 90ms/step
>3129, dr[0.404,0.725], df[0.057,0.071], g[3.469,0.123]
1/1 [=====] - 0s 78ms/step
>3130, dr[0.194,0.758], df[0.077,0.062], g[2.530,0.160]
1/1 [=====] - 0s 81ms/step
>3131, dr[0.047,0.611], df[0.285,0.147], g[2.939,0.191]
1/1 [=====] - 0s 84ms/step
>3132, dr[0.109,0.898], df[0.140,0.226], g[2.444,0.102]
1/1 [=====] - 0s 81ms/step
>3133, dr[0.017,0.465], df[0.264,0.118], g[3.261,0.101]
1/1 [=====] - 0s 86ms/step
>3134, dr[0.047,0.531], df[0.219,0.102], g[3.899,0.133]
1/1 [=====] - 0s 81ms/step
>3135, dr[0.170,0.591], df[0.094,0.199], g[4.754,0.050]
1/1 [=====] - 0s 79ms/step
>3136, dr[0.114,0.321], df[0.023,0.106], g[5.042,0.099]
1/1 [=====] - 0s 91ms/step
>3137, dr[0.100,0.584], df[0.051,0.191], g[5.307,0.199]
1/1 [=====] - 0s 76ms/step
>3138, dr[0.099,0.792], df[0.063,0.075], g[5.359,0.045]
1/1 [=====] - 0s 87ms/step
>3139, dr[0.158,0.445], df[0.083,0.113], g[4.567,0.157]
1/1 [=====] - 0s 82ms/step
>3140, dr[0.062,0.401], df[0.101,0.259], g[4.505,0.145]
1/1 [=====] - 0s 76ms/step
>3141, dr[0.165,0.741], df[0.099,0.207], g[3.898,0.078]
1/1 [=====] - 0s 85ms/step
>3142, dr[0.087,0.786], df[0.179,0.200], g[3.012,0.174]
1/1 [=====] - 0s 73ms/step
>3143, dr[0.146,0.322], df[0.171,0.186], g[3.000,0.124]
1/1 [=====] - 0s 81ms/step
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>3144, dr[0.033,0.598], df[0.187,0.180], g[3.281,0.162]
1/1 [=====] - 0s 76ms/step
>3145, dr[0.106,0.828], df[0.158,0.247], g[3.179,0.126]
1/1 [=====] - 0s 74ms/step
>3146, dr[0.069,0.664], df[0.108,0.161], g[3.263,0.184]
1/1 [=====] - 0s 78ms/step
>3147, dr[0.034,0.513], df[0.165,0.103], g[3.624,0.165]
1/1 [=====] - 0s 85ms/step
>3148, dr[0.164,0.672], df[0.252,0.320], g[3.137,0.164]
1/1 [=====] - 0s 80ms/step
>3149, dr[0.119,0.318], df[0.061,0.194], g[4.399,0.139]
1/1 [=====] - 0s 81ms/step
>3150, dr[0.148,0.507], df[0.090,0.105], g[3.789,0.136]
1/1 [=====] - 0s 85ms/step
>3151, dr[0.638,0.561], df[0.113,0.330], g[3.280,0.209]
1/1 [=====] - 0s 79ms/step
>3152, dr[0.085,0.800], df[0.119,0.290], g[2.392,0.148]
1/1 [=====] - 0s 80ms/step
>3153, dr[0.067,0.800], df[0.175,0.126], g[2.633,0.095]
1/1 [=====] - 0s 81ms/step
>3154, dr[0.081,0.722], df[0.167,0.096], g[2.232,0.124]
1/1 [=====] - 0s 80ms/step
>3155, dr[0.097,0.500], df[0.239,0.098], g[2.774,0.180]
1/1 [=====] - 0s 75ms/step
>3156, dr[0.055,1.077], df[0.139,0.131], g[3.782,0.134]
1/1 [=====] - 0s 113ms/step
>3157, dr[0.086,0.328], df[0.042,0.174], g[3.783,0.105]
1/1 [=====] - 0s 74ms/step
>3158, dr[0.118,0.456], df[0.044,0.136], g[4.646,0.109]
1/1 [=====] - 0s 76ms/step
>3159, dr[0.082,0.468], df[0.101,0.166], g[4.672,0.051]
1/1 [=====] - 0s 83ms/step
>3160, dr[0.135,0.590], df[0.037,0.149], g[4.628,0.220]
1/1 [=====] - 0s 76ms/step
>3161, dr[0.142,0.407], df[0.028,0.095], g[4.146,0.196]
1/1 [=====] - 0s 74ms/step
>3162, dr[0.138,0.698], df[0.038,0.103], g[3.782,0.221]
1/1 [=====] - 0s 72ms/step
>3163, dr[0.044,0.522], df[0.080,0.176], g[2.922,0.074]
1/1 [=====] - 0s 69ms/step
>3164, dr[0.042,0.806], df[0.157,0.140], g[4.342,0.105]
1/1 [=====] - 0s 75ms/step
>3165, dr[0.026,0.539], df[0.173,0.097], g[2.862,0.204]
1/1 [=====] - 0s 75ms/step
>3166, dr[0.030,0.526], df[0.063,0.055], g[5.166,0.177]
1/1 [=====] - 0s 89ms/step
>3167, dr[0.019,0.437], df[0.139,0.215], g[3.821,0.169]
1/1 [=====] - 0s 76ms/step
>3168, dr[0.046,0.886], df[0.048,0.196], g[4.666,0.192]
1/1 [=====] - 0s 94ms/step
>3169, dr[0.049,0.549], df[0.032,0.069], g[5.054,0.199]
1/1 [=====] - 0s 72ms/step
>3170, dr[0.272,0.885], df[0.023,0.183], g[4.831,0.126]
1/1 [=====] - 0s 70ms/step
>3171, dr[0.056,0.636], df[0.060,0.236], g[4.939,0.165]
1/1 [=====] - 0s 72ms/step
>3172, dr[0.132,0.859], df[0.051,0.212], g[4.185,0.168]
1/1 [=====] - 0s 73ms/step
>3173, dr[0.087,0.840], df[0.161,0.046], g[3.031,0.151]
1/1 [=====] - 0s 78ms/step
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>3174, dr[0.014,0.658], df[0.143,0.108], g[3.900,0.145]
1/1 [=====] - 0s 78ms/step
>3175, dr[0.022,0.675], df[0.110,0.204], g[3.410,0.137]
1/1 [=====] - 0s 75ms/step
>3176, dr[0.053,0.544], df[0.034,0.185], g[3.767,0.207]
1/1 [=====] - 0s 76ms/step
>3177, dr[0.104,0.614], df[0.135,0.114], g[3.412,0.163]
1/1 [=====] - 0s 76ms/step
>3178, dr[0.022,0.348], df[0.096,0.132], g[2.690,0.126]
1/1 [=====] - 0s 80ms/step
>3179, dr[0.051,0.561], df[0.118,0.084], g[4.236,0.209]
1/1 [=====] - 0s 84ms/step
>3180, dr[0.177,0.818], df[0.082,0.162], g[3.798,0.149]
1/1 [=====] - 0s 76ms/step
>3181, dr[0.111,0.445], df[0.158,0.213], g[3.934,0.093]
1/1 [=====] - 0s 79ms/step
>3182, dr[0.080,0.471], df[0.170,0.180], g[3.240,0.118]
1/1 [=====] - 0s 73ms/step
>3183, dr[0.079,0.469], df[0.107,0.116], g[4.175,0.114]
1/1 [=====] - 0s 76ms/step
>3184, dr[0.228,0.317], df[0.069,0.179], g[3.644,0.130]
1/1 [=====] - 0s 69ms/step
>3185, dr[0.108,0.434], df[0.076,0.165], g[3.254,0.073]
1/1 [=====] - 0s 73ms/step
>3186, dr[0.107,0.496], df[0.069,0.115], g[3.431,0.111]
1/1 [=====] - 0s 70ms/step
>3187, dr[0.097,0.695], df[0.134,0.267], g[3.654,0.104]
1/1 [=====] - 0s 72ms/step
>3188, dr[0.246,0.728], df[0.108,0.168], g[2.768,0.100]
1/1 [=====] - 0s 69ms/step
>3189, dr[0.111,0.737], df[0.205,0.104], g[1.554,0.088]
1/1 [=====] - 0s 77ms/step
>3190, dr[0.174,1.576], df[0.181,0.047], g[2.314,0.081]
1/1 [=====] - 0s 76ms/step
>3191, dr[0.147,0.402], df[0.285,0.058], g[2.459,0.118]
1/1 [=====] - 0s 70ms/step
>3192, dr[0.158,0.319], df[0.526,0.079], g[3.069,0.045]
1/1 [=====] - 0s 73ms/step
>3193, dr[0.230,0.472], df[0.121,0.169], g[2.392,0.108]
1/1 [=====] - 0s 72ms/step
>3194, dr[0.206,1.155], df[0.153,0.092], g[3.367,0.076]
1/1 [=====] - 0s 77ms/step
>3195, dr[0.221,0.655], df[0.067,0.177], g[2.819,0.141]
1/1 [=====] - 0s 73ms/step
>3196, dr[0.138,0.510], df[0.094,0.060], g[2.791,0.193]
1/1 [=====] - 0s 71ms/step
>3197, dr[0.199,0.512], df[0.218,0.047], g[3.466,0.119]
1/1 [=====] - 0s 68ms/step
>3198, dr[0.228,0.444], df[0.079,0.036], g[2.510,0.054]
1/1 [=====] - 0s 73ms/step
>3199, dr[0.078,0.569], df[0.598,0.142], g[2.413,0.083]
1/1 [=====] - 0s 79ms/step
>3200, dr[0.146,0.316], df[0.089,0.076], g[2.233,0.138]
1/1 [=====] - 0s 71ms/step
>3201, dr[0.112,0.880], df[0.186,0.069], g[2.139,0.128]
1/1 [=====] - 0s 79ms/step
>3202, dr[0.297,0.812], df[0.117,0.142], g[3.286,0.206]
1/1 [=====] - 0s 70ms/step
>3203, dr[0.091,0.421], df[0.175,0.059], g[3.161,0.058]
1/1 [=====] - 0s 81ms/step
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>3204, dr[0.321,0.342], df[0.065,0.245], g[2.583,0.097]
1/1 [=====] - 0s 71ms/step
>3205, dr[0.063,0.223], df[0.225,0.062], g[2.523,0.153]
1/1 [=====] - 0s 70ms/step
>3206, dr[0.068,0.657], df[0.300,0.134], g[3.355,0.211]
1/1 [=====] - 0s 70ms/step
>3207, dr[0.053,1.049], df[0.245,0.068], g[3.697,0.102]
1/1 [=====] - 0s 71ms/step
>3208, dr[0.167,1.004], df[0.058,0.107], g[3.638,0.064]
1/1 [=====] - 0s 83ms/step
>3209, dr[0.099,0.414], df[0.089,0.124], g[3.814,0.092]
1/1 [=====] - 0s 88ms/step
>3210, dr[0.304,0.567], df[0.027,0.083], g[4.241,0.274]
1/1 [=====] - 0s 81ms/step
>3211, dr[0.262,0.548], df[0.053,0.124], g[3.016,0.088]
1/1 [=====] - 0s 74ms/step
>3212, dr[0.133,0.458], df[0.178,0.224], g[2.317,0.101]
1/1 [=====] - 0s 76ms/step
>3213, dr[0.053,0.549], df[0.463,0.042], g[2.808,0.104]
1/1 [=====] - 0s 76ms/step
>3214, dr[0.046,1.100], df[0.172,0.161], g[2.962,0.105]
1/1 [=====] - 0s 71ms/step
>3215, dr[0.168,0.635], df[0.182,0.079], g[3.321,0.109]
1/1 [=====] - 0s 70ms/step
>3216, dr[0.347,0.557], df[0.145,0.103], g[3.735,0.083]
1/1 [=====] - 0s 71ms/step
>3217, dr[0.080,0.441], df[0.073,0.090], g[3.210,0.044]
1/1 [=====] - 0s 80ms/step
>3218, dr[0.184,0.262], df[0.101,0.087], g[3.651,0.102]
1/1 [=====] - 0s 72ms/step
>3219, dr[0.295,0.548], df[0.295,0.090], g[2.731,0.061]
1/1 [=====] - 0s 76ms/step
>3220, dr[0.207,1.036], df[0.328,0.167], g[2.578,0.083]
1/1 [=====] - 0s 74ms/step
>3221, dr[0.163,0.682], df[0.266,0.068], g[2.504,0.073]
1/1 [=====] - 0s 79ms/step
>3222, dr[0.192,0.448], df[0.266,0.064], g[2.867,0.069]
1/1 [=====] - 0s 73ms/step
>3223, dr[0.328,0.403], df[0.139,0.161], g[2.791,0.155]
1/1 [=====] - 0s 74ms/step
>3224, dr[0.199,0.819], df[0.398,0.136], g[2.424,0.132]
1/1 [=====] - 0s 79ms/step
>3225, dr[0.144,0.729], df[0.187,0.095], g[2.508,0.130]
1/1 [=====] - 0s 72ms/step
>3226, dr[0.108,0.679], df[0.120,0.135], g[2.917,0.162]
1/1 [=====] - 0s 82ms/step
>3227, dr[0.269,0.667], df[0.096,0.096], g[2.859,0.166]
1/1 [=====] - 0s 76ms/step
>3228, dr[0.146,0.531], df[0.040,0.095], g[3.049,0.094]
1/1 [=====] - 0s 75ms/step
>3229, dr[0.500,1.277], df[0.187,0.200], g[1.851,0.223]
1/1 [=====] - 0s 81ms/step
>3230, dr[0.097,0.680], df[0.508,0.134], g[2.454,0.117]
1/1 [=====] - 0s 134ms/step
>3231, dr[0.107,0.584], df[0.529,0.207], g[2.210,0.142]
1/1 [=====] - 0s 178ms/step
>3232, dr[0.042,0.804], df[0.171,0.074], g[3.817,0.118]
1/1 [=====] - 0s 109ms/step
>3233, dr[0.079,1.248], df[0.088,0.058], g[3.210,0.209]
1/1 [=====] - 0s 84ms/step
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>3234, dr[0.316,0.738], df[0.076,0.172], g[2.943,0.212]
1/1 [=====] - 0s 90ms/step
>3235, dr[0.273,0.533], df[0.064,0.172], g[2.298,0.174]
1/1 [=====] - 0s 80ms/step
>3236, dr[0.264,0.828], df[0.096,0.090], g[2.333,0.080]
1/1 [=====] - 0s 92ms/step
>3237, dr[0.102,0.454], df[0.107,0.154], g[1.730,0.127]
1/1 [=====] - 0s 76ms/step
>3238, dr[0.032,1.145], df[0.315,0.129], g[2.241,0.072]
1/1 [=====] - 0s 80ms/step
>3239, dr[0.157,0.868], df[0.387,0.222], g[1.446,0.266]
1/1 [=====] - 0s 85ms/step
>3240, dr[0.042,0.771], df[0.103,0.141], g[2.543,0.200]
1/1 [=====] - 0s 97ms/step
>3241, dr[0.190,0.721], df[0.042,0.147], g[3.568,0.126]
1/1 [=====] - 0s 87ms/step
>3242, dr[0.111,0.729], df[0.048,0.075], g[2.706,0.161]
1/1 [=====] - 0s 74ms/step
>3243, dr[0.105,0.633], df[0.137,0.185], g[3.252,0.090]
1/1 [=====] - 0s 71ms/step
>3244, dr[0.057,0.883], df[0.053,0.104], g[3.268,0.067]
1/1 [=====] - 0s 71ms/step
>3245, dr[0.081,0.348], df[0.122,0.179], g[2.501,0.245]
1/1 [=====] - 0s 72ms/step
>3246, dr[0.221,0.607], df[0.103,0.242], g[2.889,0.114]
1/1 [=====] - 0s 77ms/step
>3247, dr[0.126,1.074], df[0.019,0.254], g[2.476,0.248]
1/1 [=====] - 0s 77ms/step
>3248, dr[0.295,0.581], df[0.187,0.098], g[1.851,0.123]
1/1 [=====] - 0s 77ms/step
>3249, dr[0.077,0.481], df[0.085,0.146], g[1.777,0.204]
1/1 [=====] - 0s 69ms/step
>3250, dr[0.060,0.404], df[0.746,0.164], g[1.765,0.124]
1/1 [=====] - 0s 70ms/step
>3251, dr[0.089,0.677], df[0.371,0.223], g[2.318,0.111]
1/1 [=====] - 0s 82ms/step
>3252, dr[0.186,0.795], df[0.068,0.254], g[3.703,0.127]
1/1 [=====] - 0s 70ms/step
>3253, dr[0.167,0.567], df[0.059,0.225], g[3.199,0.247]
1/1 [=====] - 0s 77ms/step
>3254, dr[0.228,0.850], df[0.073,0.166], g[3.659,0.136]
1/1 [=====] - 0s 69ms/step
>3255, dr[0.096,0.809], df[0.094,0.103], g[3.006,0.168]
1/1 [=====] - 0s 77ms/step
>3256, dr[0.169,0.974], df[0.186,0.304], g[2.628,0.174]
1/1 [=====] - 0s 69ms/step
>3257, dr[0.083,0.529], df[0.130,0.135], g[2.388,0.150]
1/1 [=====] - 0s 82ms/step
>3258, dr[0.046,0.635], df[0.127,0.150], g[3.336,0.381]
1/1 [=====] - 0s 102ms/step
>3259, dr[0.032,0.519], df[0.018,0.220], g[3.456,0.247]
1/1 [=====] - 0s 86ms/step
>3260, dr[0.216,0.414], df[0.043,0.272], g[2.764,0.204]
1/1 [=====] - 0s 91ms/step
>3261, dr[0.086,0.434], df[0.064,0.090], g[3.378,0.303]
1/1 [=====] - 0s 91ms/step
>3262, dr[0.057,0.644], df[0.278,0.287], g[3.138,0.485]
1/1 [=====] - 0s 95ms/step
>3263, dr[0.164,0.770], df[0.177,0.244], g[3.219,0.204]
1/1 [=====] - 0s 95ms/step
```

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>3264, dr[0.130,0.438], df[0.160,0.208], g[2.290,0.249]
1/1 [=====] - 0s 85ms/step
>3265, dr[0.061,0.384], df[0.161,0.150], g[3.404,0.242]
1/1 [=====] - 0s 74ms/step
>3266, dr[0.070,0.830], df[0.043,0.116], g[3.897,0.389]
1/1 [=====] - 0s 70ms/step
>3267, dr[0.291,0.578], df[0.134,0.142], g[3.169,0.191]
1/1 [=====] - 0s 78ms/step
>3268, dr[0.221,0.332], df[0.287,0.182], g[3.190,0.305]
1/1 [=====] - 0s 74ms/step
>3269, dr[0.101,0.768], df[0.138,0.180], g[4.093,0.127]
1/1 [=====] - 0s 80ms/step
>3270, dr[0.509,0.875], df[0.147,0.224], g[2.914,0.178]
1/1 [=====] - 0s 72ms/step
>3271, dr[0.275,0.619], df[0.335,0.194], g[2.487,0.227]
1/1 [=====] - 0s 78ms/step
>3272, dr[0.173,0.490], df[0.217,0.120], g[2.349,0.191]
1/1 [=====] - 0s 72ms/step
>3273, dr[0.114,0.465], df[0.340,0.311], g[1.693,0.177]
1/1 [=====] - 0s 78ms/step
>3274, dr[0.313,0.526], df[0.274,0.279], g[2.509,0.228]
1/1 [=====] - 0s 70ms/step
>3275, dr[0.334,0.510], df[0.218,0.225], g[2.034,0.238]
1/1 [=====] - 0s 72ms/step
>3276, dr[0.191,0.584], df[0.185,0.140], g[2.592,0.176]
1/1 [=====] - 0s 77ms/step
>3277, dr[0.200,0.294], df[0.267,0.214], g[2.984,0.084]
1/1 [=====] - 0s 69ms/step
>3278, dr[0.259,0.666], df[0.236,0.147], g[3.527,0.192]
1/1 [=====] - 0s 79ms/step
>3279, dr[0.434,0.755], df[0.141,0.203], g[2.886,0.284]
1/1 [=====] - 0s 73ms/step
>3280, dr[0.149,0.531], df[0.335,0.267], g[1.804,0.103]
1/1 [=====] - 0s 72ms/step
>3281, dr[0.183,0.627], df[0.066,0.073], g[3.051,0.192]
1/1 [=====] - 0s 74ms/step
>3282, dr[0.469,0.421], df[0.134,0.083], g[2.285,0.150]
1/1 [=====] - 0s 73ms/step
>3283, dr[0.281,0.830], df[0.216,0.080], g[1.715,0.224]
1/1 [=====] - 0s 78ms/step
>3284, dr[0.049,0.814], df[0.213,0.083], g[1.366,0.187]
1/1 [=====] - 0s 70ms/step
>3285, dr[0.134,0.371], df[0.462,0.206], g[1.530,0.237]
1/1 [=====] - 0s 76ms/step
>3286, dr[0.193,0.850], df[0.473,0.161], g[1.805,0.249]
1/1 [=====] - 0s 70ms/step
>3287, dr[0.233,0.858], df[0.083,0.078], g[3.105,0.094]
1/1 [=====] - 0s 82ms/step
>3288, dr[0.344,0.435], df[0.074,0.093], g[3.213,0.231]
1/1 [=====] - 0s 81ms/step
>3289, dr[0.537,0.793], df[0.175,0.137], g[3.046,0.110]
1/1 [=====] - 0s 83ms/step
>3290, dr[0.448,0.797], df[0.167,0.130], g[1.110,0.290]
1/1 [=====] - 0s 89ms/step
>3291, dr[0.074,0.770], df[0.814,0.204], g[1.182,0.241]
1/1 [=====] - 0s 72ms/step
>3292, dr[0.111,0.667], df[0.444,0.079], g[1.810,0.205]
1/1 [=====] - 0s 79ms/step
>3293, dr[0.039,0.828], df[0.237,0.396], g[2.744,0.138]
1/1 [=====] - 0s 80ms/step
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>3294, dr[0.230,0.676], df[0.118,0.068], g[3.147,0.200]
1/1 [=====] - 0s 71ms/step
>3295, dr[0.115,0.327], df[0.036,0.052], g[3.492,0.128]
1/1 [=====] - 0s 71ms/step
>3296, dr[0.182,0.658], df[0.052,0.220], g[3.321,0.157]
1/1 [=====] - 0s 80ms/step
>3297, dr[0.314,0.560], df[0.070,0.178], g[2.684,0.188]
1/1 [=====] - 0s 81ms/step
>3298, dr[0.423,1.141], df[0.076,0.136], g[2.107,0.185]
1/1 [=====] - 0s 73ms/step
>3299, dr[0.027,0.744], df[0.488,0.193], g[1.960,0.124]
1/1 [=====] - 0s 76ms/step
>3300, dr[0.056,0.497], df[0.171,0.111], g[1.844,0.113]
1/1 [=====] - 0s 69ms/step
>3301, dr[0.107,0.778], df[0.332,0.072], g[1.959,0.192]
1/1 [=====] - 0s 71ms/step
>3302, dr[0.068,0.950], df[0.340,0.263], g[2.936,0.170]
1/1 [=====] - 0s 73ms/step
>3303, dr[0.245,0.997], df[0.069,0.092], g[3.607,0.184]
1/1 [=====] - 0s 70ms/step
>3304, dr[0.195,0.909], df[0.026,0.139], g[3.219,0.182]
1/1 [=====] - 0s 68ms/step
>3305, dr[0.151,0.363], df[0.162,0.160], g[2.506,0.157]
1/1 [=====] - 0s 71ms/step
>3306, dr[0.114,0.654], df[0.189,0.169], g[2.502,0.082]
1/1 [=====] - 0s 76ms/step
>3307, dr[0.279,0.583], df[0.106,0.099], g[2.356,0.143]
1/1 [=====] - 0s 70ms/step
>3308, dr[0.121,0.361], df[0.368,0.111], g[2.110,0.103]
1/1 [=====] - 0s 81ms/step
>3309, dr[0.082,0.399], df[0.133,0.133], g[3.149,0.137]
1/1 [=====] - 0s 71ms/step
>3310, dr[0.173,0.513], df[0.092,0.160], g[3.465,0.162]
1/1 [=====] - 0s 76ms/step
>3311, dr[0.222,0.552], df[0.245,0.143], g[2.644,0.097]
1/1 [=====] - 0s 71ms/step
>3312, dr[0.070,0.508], df[0.309,0.126], g[2.919,0.128]
1/1 [=====] - 0s 72ms/step
>3313, dr[0.346,0.503], df[0.152,0.078], g[3.793,0.073]
1/1 [=====] - 0s 74ms/step
>3314, dr[0.252,0.687], df[0.043,0.093], g[3.070,0.090]
1/1 [=====] - 0s 71ms/step
>3315, dr[0.107,0.577], df[0.438,0.181], g[3.313,0.109]
1/1 [=====] - 0s 84ms/step
>3316, dr[0.171,0.926], df[0.136,0.108], g[3.360,0.072]
1/1 [=====] - 0s 72ms/step
>3317, dr[0.257,0.741], df[0.227,0.170], g[3.001,0.139]
1/1 [=====] - 0s 76ms/step
>3318, dr[0.365,0.394], df[0.360,0.142], g[2.468,0.121]
1/1 [=====] - 0s 73ms/step
>3319, dr[0.220,0.488], df[0.275,0.051], g[3.276,0.152]
1/1 [=====] - 0s 70ms/step
>3320, dr[0.170,0.428], df[0.110,0.103], g[3.026,0.121]
1/1 [=====] - 0s 71ms/step
>3321, dr[0.186,0.694], df[0.343,0.157], g[2.950,0.067]
1/1 [=====] - 0s 69ms/step
>3322, dr[0.220,0.387], df[0.115,0.262], g[2.328,0.148]
1/1 [=====] - 0s 78ms/step
>3323, dr[0.165,0.346], df[0.060,0.118], g[3.023,0.124]
1/1 [=====] - 0s 76ms/step
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>3324, dr[0.347,0.672], df[0.274,0.154], g[2.605,0.087]
1/1 [=====] - 0s 80ms/step
>3325, dr[0.145,0.411], df[0.252,0.128], g[2.678,0.073]
1/1 [=====] - 0s 70ms/step
>3326, dr[0.153,0.779], df[0.277,0.108], g[2.758,0.100]
1/1 [=====] - 0s 76ms/step
>3327, dr[0.061,0.486], df[0.163,0.045], g[2.588,0.183]
1/1 [=====] - 0s 74ms/step
>3328, dr[0.278,0.915], df[0.287,0.167], g[3.180,0.087]
1/1 [=====] - 0s 71ms/step
>3329, dr[0.096,0.519], df[0.120,0.143], g[3.691,0.054]
1/1 [=====] - 0s 73ms/step
>3330, dr[0.439,0.497], df[0.228,0.126], g[2.660,0.114]
1/1 [=====] - 0s 70ms/step
>3331, dr[0.167,0.489], df[0.169,0.161], g[2.860,0.044]
1/1 [=====] - 0s 79ms/step
>3332, dr[0.177,0.392], df[0.141,0.113], g[1.775,0.123]
1/1 [=====] - 0s 73ms/step
>3333, dr[0.109,0.439], df[0.320,0.078], g[2.332,0.095]
1/1 [=====] - 0s 88ms/step
>3334, dr[0.298,0.337], df[0.308,0.127], g[2.758,0.154]
1/1 [=====] - 0s 71ms/step
>3335, dr[0.092,0.774], df[0.202,0.143], g[3.426,0.175]
1/1 [=====] - 0s 85ms/step
>3336, dr[0.251,0.496], df[0.270,0.148], g[3.359,0.240]
1/1 [=====] - 0s 77ms/step
>3337, dr[0.142,0.606], df[0.221,0.125], g[4.424,0.069]
1/1 [=====] - 0s 75ms/step
>3338, dr[0.573,0.491], df[0.177,0.240], g[3.437,0.168]
1/1 [=====] - 0s 77ms/step
>3339, dr[0.360,0.509], df[0.133,0.049], g[3.414,0.161]
1/1 [=====] - 0s 70ms/step
>3340, dr[0.113,0.658], df[0.146,0.141], g[3.779,0.146]
1/1 [=====] - 0s 75ms/step
>3341, dr[0.201,0.476], df[0.173,0.263], g[3.100,0.163]
1/1 [=====] - 0s 71ms/step
>3342, dr[0.039,0.504], df[0.154,0.290], g[2.380,0.200]
1/1 [=====] - 0s 69ms/step
>3343, dr[0.149,0.561], df[0.260,0.175], g[3.419,0.133]
1/1 [=====] - 0s 74ms/step
>3344, dr[0.058,0.558], df[0.316,0.182], g[3.622,0.128]
1/1 [=====] - 0s 76ms/step
>3345, dr[0.039,0.713], df[0.043,0.107], g[4.823,0.157]
1/1 [=====] - 0s 78ms/step
>3346, dr[0.102,1.081], df[0.030,0.169], g[3.838,0.166]
1/1 [=====] - 0s 77ms/step
>3347, dr[0.201,0.425], df[0.077,0.220], g[3.723,0.179]
1/1 [=====] - 0s 73ms/step
>3348, dr[0.187,0.709], df[0.169,0.139], g[4.402,0.161]
1/1 [=====] - 0s 69ms/step
>3349, dr[0.071,0.524], df[0.185,0.191], g[4.294,0.151]
1/1 [=====] - 0s 74ms/step
>3350, dr[0.307,0.700], df[0.129,0.092], g[4.132,0.255]
1/1 [=====] - 0s 86ms/step
>3351, dr[0.260,0.743], df[0.096,0.094], g[3.582,0.193]
1/1 [=====] - 0s 76ms/step
>3352, dr[0.116,0.672], df[0.191,0.109], g[2.655,0.109]
1/1 [=====] - 0s 77ms/step
>3353, dr[0.094,0.301], df[0.179,0.176], g[2.629,0.139]
1/1 [=====] - 0s 70ms/step
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>3354, dr[0.096,0.491], df[0.147,0.251], g[2.236,0.171]
1/1 [=====] - 0s 70ms/step
>3355, dr[0.070,0.452], df[0.317,0.271], g[2.546,0.169]
1/1 [=====] - 0s 69ms/step
>3356, dr[0.064,0.894], df[0.291,0.097], g[2.663,0.119]
1/1 [=====] - 0s 86ms/step
>3357, dr[0.331,0.617], df[0.198,0.075], g[3.217,0.131]
1/1 [=====] - 0s 81ms/step
>3358, dr[0.116,0.708], df[0.254,0.109], g[3.184,0.189]
1/1 [=====] - 0s 78ms/step
>3359, dr[0.129,0.269], df[0.074,0.112], g[4.039,0.216]
1/1 [=====] - 0s 77ms/step
>3360, dr[0.362,0.667], df[0.099,0.156], g[2.944,0.247]
1/1 [=====] - 0s 72ms/step
>3361, dr[0.534,0.433], df[0.330,0.206], g[2.874,0.163]
1/1 [=====] - 0s 144ms/step
>3362, dr[0.291,0.468], df[0.502,0.293], g[1.870,0.198]
1/1 [=====] - 0s 150ms/step
>3363, dr[0.108,0.338], df[0.268,0.204], g[1.856,0.247]
1/1 [=====] - 0s 134ms/step
>3364, dr[0.080,0.418], df[0.430,0.318], g[2.035,0.193]
1/1 [=====] - 0s 125ms/step
>3365, dr[0.171,0.745], df[0.225,0.230], g[2.462,0.181]
1/1 [=====] - 0s 107ms/step
>3366, dr[0.327,0.992], df[0.389,0.283], g[2.492,0.156]
1/1 [=====] - 0s 255ms/step
>3367, dr[0.564,0.632], df[0.102,0.157], g[2.999,0.219]
1/1 [=====] - 0s 316ms/step
>3368, dr[0.571,0.449], df[0.224,0.075], g[1.849,0.172]
1/1 [=====] - 0s 487ms/step
>3369, dr[0.540,1.102], df[0.287,0.129], g[1.587,0.227]
1/1 [=====] - 0s 200ms/step
>3370, dr[0.099,0.540], df[0.488,0.097], g[1.200,0.227]
1/1 [=====] - 0s 116ms/step
>3371, dr[0.126,0.364], df[0.575,0.245], g[2.010,0.365]
1/1 [=====] - 0s 394ms/step
>3372, dr[0.378,0.697], df[0.592,0.163], g[1.991,0.233]
1/1 [=====] - 0s 174ms/step
>3373, dr[0.120,0.531], df[0.157,0.240], g[2.855,0.266]
1/1 [=====] - 0s 115ms/step
>3374, dr[0.197,0.416], df[0.161,0.309], g[3.834,0.140]
1/1 [=====] - 0s 151ms/step
>3375, dr[0.457,0.608], df[0.061,0.236], g[3.012,0.193]
1/1 [=====] - 0s 180ms/step
>3376, dr[0.726,0.854], df[0.088,0.050], g[2.741,0.110]
1/1 [=====] - 0s 135ms/step
>3377, dr[0.307,0.736], df[0.394,0.151], g[1.936,0.166]
1/1 [=====] - 0s 178ms/step
>3378, dr[0.176,0.682], df[0.405,0.185], g[1.265,0.249]
1/1 [=====] - 0s 93ms/step
>3379, dr[0.085,0.600], df[0.441,0.169], g[1.847,0.215]
1/1 [=====] - 0s 120ms/step
>3380, dr[0.190,0.589], df[0.441,0.440], g[1.680,0.227]
1/1 [=====] - 0s 94ms/step
>3381, dr[0.135,0.753], df[0.466,0.150], g[2.570,0.111]
1/1 [=====] - 0s 101ms/step
>3382, dr[0.310,0.659], df[0.111,0.180], g[3.668,0.130]
1/1 [=====] - 0s 96ms/step
>3383, dr[0.623,0.766], df[0.043,0.296], g[3.082,0.230]
1/1 [=====] - 0s 97ms/step
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>3384, dr[0.259,0.572], df[0.254,0.116], g[3.009,0.205]
1/1 [=====] - 0s 85ms/step
>3385, dr[0.297,0.549], df[0.186,0.132], g[2.653,0.147]
1/1 [=====] - 0s 83ms/step
>3386, dr[0.117,0.571], df[0.181,0.235], g[2.266,0.145]
1/1 [=====] - 0s 81ms/step
>3387, dr[0.113,0.741], df[0.357,0.167], g[1.820,0.317]
1/1 [=====] - 0s 83ms/step
>3388, dr[0.099,0.561], df[0.352,0.208], g[2.257,0.149]
1/1 [=====] - 0s 81ms/step
>3389, dr[0.277,0.659], df[0.327,0.229], g[3.292,0.136]
1/1 [=====] - 0s 82ms/step
>3390, dr[0.203,0.677], df[0.149,0.121], g[3.223,0.227]
1/1 [=====] - 0s 86ms/step
>3391, dr[0.254,1.252], df[0.154,0.194], g[2.952,0.091]
1/1 [=====] - 0s 123ms/step
>3392, dr[0.282,0.895], df[0.346,0.204], g[3.199,0.112]
1/1 [=====] - 0s 103ms/step
>3393, dr[0.262,0.427], df[0.142,0.081], g[3.667,0.114]
1/1 [=====] - 0s 121ms/step
>3394, dr[0.255,0.488], df[0.312,0.107], g[3.257,0.153]
1/1 [=====] - 0s 139ms/step
>3395, dr[0.151,0.445], df[0.278,0.102], g[3.060,0.239]
1/1 [=====] - 0s 116ms/step
>3396, dr[0.267,0.425], df[0.117,0.177], g[2.646,0.121]
1/1 [=====] - 0s 118ms/step
>3397, dr[0.293,0.604], df[0.344,0.093], g[2.365,0.169]
1/1 [=====] - 0s 92ms/step
>3398, dr[0.159,0.384], df[0.362,0.231], g[3.169,0.128]
1/1 [=====] - 0s 89ms/step
>3399, dr[0.320,0.848], df[0.235,0.077], g[2.765,0.130]
1/1 [=====] - 0s 92ms/step
>3400, dr[0.196,0.553], df[0.226,0.365], g[2.729,0.144]
1/1 [=====] - 0s 89ms/step
>3401, dr[0.415,0.501], df[0.178,0.085], g[2.634,0.268]
1/1 [=====] - 0s 98ms/step
>3402, dr[0.193,0.994], df[0.185,0.109], g[2.182,0.152]
1/1 [=====] - 0s 83ms/step
>3403, dr[0.193,0.892], df[0.181,0.096], g[2.198,0.150]
1/1 [=====] - 0s 98ms/step
>3404, dr[0.058,0.787], df[0.251,0.193], g[2.402,0.124]
1/1 [=====] - 0s 120ms/step
>3405, dr[0.101,0.577], df[0.279,0.200], g[2.488,0.142]
1/1 [=====] - 0s 88ms/step
>3406, dr[0.206,0.818], df[0.082,0.205], g[3.504,0.226]
1/1 [=====] - 0s 104ms/step
>3407, dr[0.293,0.303], df[0.071,0.180], g[2.735,0.136]
1/1 [=====] - 0s 105ms/step
>3408, dr[0.213,0.618], df[0.141,0.143], g[2.585,0.150]
1/1 [=====] - 0s 104ms/step
>3409, dr[0.398,0.842], df[0.170,0.143], g[1.922,0.086]
1/1 [=====] - 0s 102ms/step
>3410, dr[0.190,0.812], df[0.456,0.117], g[1.960,0.088]
1/1 [=====] - 0s 156ms/step
>3411, dr[0.136,0.547], df[0.311,0.040], g[1.873,0.175]
1/1 [=====] - 0s 158ms/step
>3412, dr[0.133,0.646], df[0.166,0.157], g[2.959,0.131]
1/1 [=====] - 0s 140ms/step
>3413, dr[0.159,0.490], df[0.421,0.085], g[2.150,0.095]
1/1 [=====] - 0s 154ms/step
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>3414, dr[0.292,0.655], df[0.330,0.127], g[2.348,0.090]
1/1 [=====] - 0s 144ms/step
>3415, dr[0.272,0.589], df[0.224,0.146], g[2.942,0.181]
1/1 [=====] - 0s 153ms/step
>3416, dr[0.651,0.586], df[0.150,0.152], g[3.264,0.115]
1/1 [=====] - 0s 127ms/step
>3417, dr[0.341,0.514], df[0.181,0.203], g[2.696,0.093]
1/1 [=====] - 0s 175ms/step
>3418, dr[0.187,0.704], df[0.292,0.314], g[2.148,0.139]
1/1 [=====] - 0s 128ms/step
>3419, dr[0.139,0.680], df[0.180,0.158], g[2.053,0.200]
1/1 [=====] - 0s 111ms/step
>3420, dr[0.164,0.846], df[0.266,0.185], g[2.411,0.126]
1/1 [=====] - 0s 109ms/step
>3421, dr[0.094,0.396], df[0.347,0.377], g[2.528,0.157]
1/1 [=====] - 0s 151ms/step
>3422, dr[0.260,0.773], df[0.174,0.112], g[2.528,0.072]
1/1 [=====] - 0s 119ms/step
>3423, dr[0.130,0.380], df[0.201,0.126], g[2.815,0.175]
1/1 [=====] - 0s 99ms/step
>3424, dr[0.191,0.491], df[0.069,0.067], g[3.400,0.100]
1/1 [=====] - 0s 107ms/step
>3425, dr[0.172,0.442], df[0.234,0.078], g[2.932,0.042]
1/1 [=====] - 0s 105ms/step
>3426, dr[0.137,0.653], df[0.114,0.199], g[3.304,0.109]
1/1 [=====] - 0s 104ms/step
>3427, dr[1.080,1.299], df[0.283,0.201], g[2.274,0.068]
1/1 [=====] - 0s 100ms/step
>3428, dr[0.113,1.072], df[0.179,0.207], g[1.400,0.135]
1/1 [=====] - 0s 125ms/step
>3429, dr[0.155,0.548], df[0.371,0.178], g[1.428,0.120]
1/1 [=====] - 0s 111ms/step
>3430, dr[0.053,0.463], df[0.599,0.094], g[2.257,0.078]
1/1 [=====] - 0s 111ms/step
>3431, dr[0.126,0.542], df[0.128,0.232], g[2.182,0.136]
1/1 [=====] - 0s 92ms/step
>3432, dr[0.305,0.598], df[0.088,0.059], g[2.333,0.200]
1/1 [=====] - 0s 84ms/step
>3433, dr[0.255,1.058], df[0.145,0.093], g[2.342,0.173]
1/1 [=====] - 0s 93ms/step
>3434, dr[0.147,0.575], df[0.113,0.068], g[2.413,0.140]
1/1 [=====] - 0s 125ms/step
>3435, dr[0.185,0.252], df[0.247,0.157], g[2.726,0.162]
1/1 [=====] - 0s 148ms/step
>3436, dr[0.160,0.557], df[0.176,0.095], g[2.945,0.091]
1/1 [=====] - 0s 177ms/step
>3437, dr[0.159,0.470], df[0.150,0.075], g[2.366,0.139]
1/1 [=====] - 0s 130ms/step
>3438, dr[0.171,0.697], df[0.184,0.050], g[2.275,0.114]
1/1 [=====] - 0s 100ms/step
>3439, dr[0.162,0.888], df[0.286,0.213], g[2.621,0.168]
1/1 [=====] - 0s 81ms/step
>3440, dr[0.145,0.866], df[0.331,0.092], g[2.680,0.109]
1/1 [=====] - 0s 87ms/step
>3441, dr[0.136,0.804], df[0.172,0.147], g[3.184,0.106]
1/1 [=====] - 0s 96ms/step
>3442, dr[0.287,1.191], df[0.199,0.070], g[3.110,0.180]
1/1 [=====] - 0s 85ms/step
>3443, dr[0.383,0.851], df[0.114,0.198], g[2.634,0.125]
1/1 [=====] - 0s 85ms/step
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>3444, dr[0.206,0.952], df[0.192,0.175], g[2.440,0.188]
1/1 [=====] - 0s 101ms/step
>3445, dr[0.113,0.335], df[0.162,0.260], g[2.400,0.244]
1/1 [=====] - 0s 104ms/step
>3446, dr[0.246,0.788], df[0.190,0.203], g[2.843,0.111]
1/1 [=====] - 0s 106ms/step
>3447, dr[0.337,0.618], df[0.219,0.189], g[1.961,0.144]
1/1 [=====] - 0s 98ms/step
>3448, dr[0.169,0.346], df[0.352,0.173], g[2.654,0.204]
1/1 [=====] - 0s 87ms/step
>3449, dr[0.213,0.380], df[0.273,0.056], g[2.474,0.212]
1/1 [=====] - 0s 92ms/step
>3450, dr[0.168,0.514], df[0.199,0.117], g[1.927,0.134]
1/1 [=====] - 0s 87ms/step
>3451, dr[0.117,0.680], df[0.185,0.164], g[3.106,0.183]
1/1 [=====] - 0s 89ms/step
>3452, dr[0.284,0.587], df[0.194,0.090], g[2.278,0.118]
1/1 [=====] - 0s 105ms/step
>3453, dr[0.471,0.731], df[0.048,0.113], g[2.760,0.157]
1/1 [=====] - 0s 94ms/step
>3454, dr[0.192,0.334], df[0.109,0.183], g[2.041,0.238]
1/1 [=====] - 0s 89ms/step
>3455, dr[0.350,0.420], df[0.392,0.270], g[1.526,0.102]
1/1 [=====] - 0s 89ms/step
>3456, dr[0.067,0.547], df[0.158,0.086], g[1.626,0.218]
1/1 [=====] - 0s 96ms/step
>3457, dr[0.143,0.771], df[0.313,0.082], g[1.266,0.102]
1/1 [=====] - 0s 88ms/step
>3458, dr[0.083,0.378], df[0.784,0.136], g[2.113,0.068]
1/1 [=====] - 0s 132ms/step
>3459, dr[0.095,0.392], df[0.109,0.135], g[2.597,0.176]
1/1 [=====] - 0s 84ms/step
>3460, dr[0.348,0.708], df[0.133,0.164], g[3.055,0.119]
1/1 [=====] - 0s 86ms/step
>3461, dr[0.167,0.659], df[0.071,0.201], g[3.323,0.122]
1/1 [=====] - 0s 85ms/step
>3462, dr[0.485,1.070], df[0.158,0.135], g[2.986,0.140]
1/1 [=====] - 0s 80ms/step
>3463, dr[0.355,0.410], df[0.134,0.082], g[2.280,0.076]
1/1 [=====] - 0s 87ms/step
>3464, dr[0.148,0.601], df[0.367,0.201], g[2.234,0.072]
1/1 [=====] - 0s 84ms/step
>3465, dr[0.154,0.731], df[0.299,0.170], g[1.819,0.086]
1/1 [=====] - 0s 80ms/step
>3466, dr[0.189,1.015], df[0.221,0.196], g[2.687,0.193]
1/1 [=====] - 0s 112ms/step
>3467, dr[0.306,0.571], df[0.336,0.187], g[1.622,0.150]
1/1 [=====] - 0s 91ms/step
>3468, dr[0.385,0.613], df[0.187,0.095], g[2.254,0.113]
1/1 [=====] - 0s 109ms/step
>3469, dr[0.366,0.463], df[0.310,0.251], g[2.150,0.099]
1/1 [=====] - 0s 116ms/step
>3470, dr[0.180,0.542], df[0.116,0.116], g[1.938,0.187]
1/1 [=====] - 0s 108ms/step
>3471, dr[0.131,0.326], df[0.452,0.070], g[2.693,0.086]
1/1 [=====] - 0s 110ms/step
>3472, dr[0.124,0.677], df[0.125,0.230], g[2.614,0.136]
1/1 [=====] - 0s 84ms/step
>3473, dr[0.173,0.407], df[0.114,0.283], g[2.740,0.120]
1/1 [=====] - 0s 110ms/step
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>3474, dr[0.444,0.312], df[0.097,0.076], g[2.383,0.247]
1/1 [=====] - 0s 98ms/step
>3475, dr[0.246,0.889], df[0.349,0.138], g[1.881,0.071]
1/1 [=====] - 0s 120ms/step
>3476, dr[0.145,0.533], df[0.214,0.155], g[1.998,0.086]
1/1 [=====] - 0s 78ms/step
>3477, dr[0.133,0.524], df[0.342,0.177], g[2.011,0.127]
1/1 [=====] - 0s 91ms/step
>3478, dr[0.237,0.648], df[0.083,0.089], g[2.295,0.131]
1/1 [=====] - 0s 82ms/step
>3479, dr[0.220,0.802], df[0.252,0.121], g[1.850,0.116]
1/1 [=====] - 0s 91ms/step
>3480, dr[0.308,1.213], df[0.226,0.093], g[2.172,0.094]
1/1 [=====] - 0s 108ms/step
>3481, dr[0.223,0.797], df[0.294,0.129], g[1.691,0.143]
1/1 [=====] - 0s 101ms/step
>3482, dr[0.086,0.342], df[0.433,0.099], g[1.943,0.107]
1/1 [=====] - 0s 145ms/step
>3483, dr[0.136,0.397], df[0.195,0.071], g[1.406,0.145]
1/1 [=====] - 0s 108ms/step
>3484, dr[0.325,0.924], df[0.054,0.135], g[2.201,0.177]
1/1 [=====] - 0s 120ms/step
>3485, dr[0.380,0.713], df[0.153,0.065], g[1.947,0.188]
1/1 [=====] - 0s 120ms/step
>3486, dr[0.303,0.884], df[0.147,0.112], g[1.546,0.183]
1/1 [=====] - 0s 115ms/step
>3487, dr[0.141,0.716], df[0.394,0.204], g[1.948,0.084]
1/1 [=====] - 0s 108ms/step
>3488, dr[0.163,0.464], df[0.156,0.181], g[2.106,0.228]
1/1 [=====] - 0s 111ms/step
>3489, dr[0.189,0.389], df[0.246,0.089], g[1.704,0.208]
1/1 [=====] - 0s 132ms/step
>3490, dr[0.406,0.536], df[0.132,0.102], g[1.748,0.113]
1/1 [=====] - 0s 102ms/step
>3491, dr[0.151,0.532], df[0.360,0.128], g[1.875,0.144]
1/1 [=====] - 0s 88ms/step
>3492, dr[0.349,0.659], df[0.270,0.350], g[1.244,0.204]
1/1 [=====] - 0s 91ms/step
>3493, dr[0.265,0.667], df[0.177,0.152], g[1.929,0.138]
1/1 [=====] - 0s 77ms/step
>3494, dr[0.219,0.589], df[0.227,0.111], g[1.895,0.202]
1/1 [=====] - 0s 79ms/step
>3495, dr[0.348,1.095], df[0.279,0.248], g[1.403,0.241]
1/1 [=====] - 0s 87ms/step
>3496, dr[0.207,0.730], df[0.233,0.084], g[1.420,0.131]
1/1 [=====] - 0s 82ms/step
>3497, dr[0.078,0.675], df[0.099,0.215], g[1.320,0.140]
1/1 [=====] - 0s 80ms/step
>3498, dr[0.122,0.452], df[0.378,0.150], g[1.757,0.215]
1/1 [=====] - 0s 84ms/step
>3499, dr[0.205,0.397], df[0.149,0.126], g[1.899,0.151]
1/1 [=====] - 0s 83ms/step
>3500, dr[0.117,0.380], df[0.094,0.129], g[2.211,0.336]
1/1 [=====] - 0s 86ms/step
>3501, dr[0.149,0.600], df[0.171,0.132], g[2.188,0.261]
1/1 [=====] - 0s 81ms/step
>3502, dr[0.191,0.395], df[0.225,0.131], g[2.739,0.194]
1/1 [=====] - 0s 80ms/step
>3503, dr[0.360,0.891], df[0.265,0.096], g[2.543,0.195]
1/1 [=====] - 0s 101ms/step
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>3504, dr[0.652,0.678], df[0.098,0.133], g[1.762,0.183]
1/1 [=====] - 0s 82ms/step
>3505, dr[0.115,0.643], df[0.292,0.148], g[0.961,0.215]
1/1 [=====] - 0s 73ms/step
>3506, dr[0.073,1.020], df[0.359,0.146], g[1.242,0.133]
1/1 [=====] - 0s 80ms/step
>3507, dr[0.103,0.460], df[0.214,0.151], g[1.355,0.126]
1/1 [=====] - 0s 76ms/step
>3508, dr[0.083,0.501], df[0.415,0.108], g[1.578,0.221]
1/1 [=====] - 0s 72ms/step
>3509, dr[0.139,0.626], df[0.214,0.268], g[2.700,0.161]
1/1 [=====] - 0s 77ms/step
>3510, dr[0.137,0.553], df[0.103,0.162], g[2.678,0.210]
1/1 [=====] - 0s 70ms/step
>3511, dr[0.354,0.566], df[0.116,0.179], g[2.706,0.231]
1/1 [=====] - 0s 78ms/step
>3512, dr[0.509,0.720], df[0.114,0.099], g[2.684,0.117]
1/1 [=====] - 0s 71ms/step
>3513, dr[0.517,0.362], df[0.386,0.100], g[1.742,0.226]
1/1 [=====] - 0s 76ms/step
>3514, dr[0.222,0.273], df[0.183,0.226], g[1.852,0.371]
1/1 [=====] - 0s 77ms/step
>3515, dr[0.351,0.910], df[0.127,0.110], g[0.985,0.187]
1/1 [=====] - 0s 71ms/step
>3516, dr[0.138,0.368], df[0.333,0.219], g[1.669,0.215]
1/1 [=====] - 0s 83ms/step
>3517, dr[0.135,0.778], df[0.330,0.175], g[1.450,0.256]
1/1 [=====] - 0s 70ms/step
>3518, dr[0.163,0.856], df[0.120,0.164], g[1.087,0.319]
1/1 [=====] - 0s 77ms/step
>3519, dr[0.272,0.343], df[0.188,0.115], g[0.971,0.168]
1/1 [=====] - 0s 72ms/step
>3520, dr[0.118,0.626], df[0.144,0.091], g[1.115,0.201]
1/1 [=====] - 0s 73ms/step
>3521, dr[0.200,0.360], df[0.220,0.270], g[1.776,0.136]
1/1 [=====] - 0s 75ms/step
>3522, dr[0.192,0.635], df[0.337,0.193], g[1.597,0.244]
1/1 [=====] - 0s 69ms/step
>3523, dr[0.149,0.490], df[0.071,0.160], g[2.263,0.099]
1/1 [=====] - 0s 77ms/step
>3524, dr[0.293,0.604], df[0.117,0.134], g[2.017,0.199]
1/1 [=====] - 0s 71ms/step
>3525, dr[0.165,0.324], df[0.150,0.341], g[2.371,0.137]
1/1 [=====] - 0s 87ms/step
>3526, dr[0.077,0.521], df[0.254,0.083], g[1.580,0.201]
1/1 [=====] - 0s 77ms/step
>3527, dr[0.229,0.859], df[0.176,0.118], g[1.684,0.216]
1/1 [=====] - 0s 70ms/step
>3528, dr[0.225,0.638], df[0.165,0.095], g[2.053,0.137]
1/1 [=====] - 0s 76ms/step
>3529, dr[0.330,0.650], df[0.195,0.181], g[1.448,0.141]
1/1 [=====] - 0s 72ms/step
>3530, dr[0.320,0.584], df[0.240,0.173], g[1.596,0.151]
1/1 [=====] - 0s 79ms/step
>3531, dr[0.099,0.737], df[0.215,0.090], g[1.221,0.210]
1/1 [=====] - 0s 79ms/step
>3532, dr[0.092,0.564], df[0.526,0.130], g[1.356,0.156]
1/1 [=====] - 0s 73ms/step
>3533, dr[0.155,0.358], df[0.399,0.166], g[1.675,0.223]
1/1 [=====] - 0s 69ms/step
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>3534, dr[0.154,0.445], df[0.331,0.247], g[2.811,0.165]
1/1 [=====] - 0s 69ms/step
>3535, dr[0.250,0.291], df[0.093,0.166], g[2.828,0.234]
1/1 [=====] - 0s 75ms/step
>3536, dr[0.212,0.349], df[0.140,0.211], g[3.321,0.124]
1/1 [=====] - 0s 71ms/step
>3537, dr[0.612,0.381], df[0.179,0.089], g[3.115,0.217]
1/1 [=====] - 0s 84ms/step
>3538, dr[0.209,0.607], df[0.086,0.163], g[2.954,0.185]
1/1 [=====] - 0s 68ms/step
>3539, dr[0.173,1.154], df[0.148,0.125], g[2.817,0.245]
1/1 [=====] - 0s 81ms/step
>3540, dr[0.194,0.452], df[0.212,0.152], g[1.939,0.102]
1/1 [=====] - 0s 78ms/step
>3541, dr[0.263,0.540], df[0.199,0.092], g[1.237,0.186]
1/1 [=====] - 0s 111ms/step
>3542, dr[0.150,0.287], df[0.411,0.173], g[1.935,0.209]
1/1 [=====] - 0s 72ms/step
>3543, dr[0.072,0.312], df[0.314,0.078], g[2.208,0.158]
1/1 [=====] - 0s 68ms/step
>3544, dr[0.114,0.622], df[0.170,0.237], g[3.271,0.175]
1/1 [=====] - 0s 81ms/step
>3545, dr[0.130,0.532], df[0.183,0.213], g[2.449,0.226]
1/1 [=====] - 0s 72ms/step
>3546, dr[0.388,0.482], df[0.051,0.091], g[3.751,0.119]
1/1 [=====] - 0s 74ms/step
>3547, dr[0.438,0.519], df[0.120,0.085], g[2.895,0.101]
1/1 [=====] - 0s 82ms/step
>3548, dr[0.095,0.526], df[0.261,0.069], g[2.891,0.149]
1/1 [=====] - 0s 78ms/step
>3549, dr[0.152,0.663], df[0.321,0.240], g[2.946,0.108]
1/1 [=====] - 0s 75ms/step
>3550, dr[0.188,0.696], df[0.332,0.136], g[2.990,0.161]
1/1 [=====] - 0s 71ms/step
>3551, dr[0.138,0.427], df[0.098,0.119], g[3.385,0.109]
1/1 [=====] - 0s 75ms/step
>3552, dr[0.173,0.435], df[0.133,0.311], g[3.345,0.274]
1/1 [=====] - 0s 69ms/step
>3553, dr[0.282,0.790], df[0.190,0.116], g[3.168,0.192]
1/1 [=====] - 0s 79ms/step
>3554, dr[0.430,0.587], df[0.213,0.054], g[2.781,0.124]
1/1 [=====] - 0s 74ms/step
>3555, dr[0.256,0.550], df[0.158,0.148], g[2.647,0.118]
1/1 [=====] - 0s 75ms/step
>3556, dr[0.185,0.400], df[0.333,0.136], g[2.730,0.108]
1/1 [=====] - 0s 71ms/step
>3557, dr[0.223,0.358], df[0.252,0.082], g[2.473,0.240]
1/1 [=====] - 0s 69ms/step
>3558, dr[0.125,0.761], df[0.387,0.163], g[3.052,0.228]
1/1 [=====] - 0s 76ms/step
>3559, dr[0.075,0.462], df[0.146,0.148], g[2.828,0.158]
1/1 [=====] - 0s 70ms/step
>3560, dr[0.240,0.641], df[0.204,0.148], g[3.314,0.249]
1/1 [=====] - 0s 76ms/step
>3561, dr[0.187,1.046], df[0.060,0.314], g[3.540,0.187]
1/1 [=====] - 0s 68ms/step
>3562, dr[0.257,0.328], df[0.218,0.108], g[2.921,0.125]
1/1 [=====] - 0s 72ms/step
>3563, dr[0.158,0.701], df[0.377,0.115], g[2.751,0.092]
1/1 [=====] - 0s 70ms/step
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>3564, dr[0.346,0.383], df[0.132,0.140], g[3.074,0.104]
1/1 [=====] - 0s 68ms/step
>3565, dr[0.475,0.892], df[0.298,0.359], g[2.691,0.144]
1/1 [=====] - 0s 71ms/step
>3566, dr[0.153,1.069], df[0.291,0.325], g[2.301,0.180]
1/1 [=====] - 0s 74ms/step
>3567, dr[0.076,0.317], df[0.494,0.124], g[2.348,0.162]
1/1 [=====] - 0s 76ms/step
>3568, dr[0.171,0.817], df[0.479,0.350], g[1.433,0.290]
1/1 [=====] - 0s 70ms/step
>3569, dr[0.467,0.404], df[0.513,0.156], g[3.366,0.179]
1/1 [=====] - 0s 71ms/step
>3570, dr[0.370,0.553], df[0.096,0.187], g[2.493,0.175]
1/1 [=====] - 0s 73ms/step
>3571, dr[0.420,0.584], df[0.435,0.097], g[3.506,0.161]
1/1 [=====] - 0s 79ms/step
>3572, dr[0.293,0.333], df[0.120,0.380], g[3.393,0.087]
1/1 [=====] - 0s 79ms/step
>3573, dr[0.648,0.560], df[0.249,0.277], g[1.746,0.250]
1/1 [=====] - 0s 75ms/step
>3574, dr[0.433,0.545], df[0.314,0.171], g[2.262,0.110]
1/1 [=====] - 0s 78ms/step
>3575, dr[0.273,0.549], df[0.528,0.221], g[2.000,0.158]
1/1 [=====] - 0s 74ms/step
>3576, dr[0.020,0.426], df[0.437,0.107], g[1.933,0.161]
1/1 [=====] - 0s 77ms/step
>3577, dr[0.173,0.684], df[0.326,0.140], g[2.778,0.192]
1/1 [=====] - 0s 74ms/step
>3578, dr[0.155,0.602], df[0.234,0.173], g[3.750,0.283]
1/1 [=====] - 0s 70ms/step
>3579, dr[0.449,0.879], df[0.070,0.095], g[3.572,0.189]
1/1 [=====] - 0s 82ms/step
>3580, dr[0.532,0.629], df[0.125,0.349], g[2.408,0.201]
1/1 [=====] - 0s 72ms/step
>3581, dr[0.240,0.345], df[0.281,0.098], g[2.309,0.056]
1/1 [=====] - 0s 75ms/step
>3582, dr[0.136,0.400], df[0.547,0.121], g[2.704,0.109]
1/1 [=====] - 0s 75ms/step
>3583, dr[0.125,0.759], df[0.352,0.199], g[2.659,0.115]
1/1 [=====] - 0s 75ms/step
>3584, dr[0.295,0.568], df[0.140,0.069], g[3.314,0.082]
1/1 [=====] - 0s 70ms/step
>3585, dr[0.176,0.529], df[0.063,0.082], g[3.157,0.170]
1/1 [=====] - 0s 85ms/step
>3586, dr[0.264,0.697], df[0.121,0.181], g[3.362,0.226]
1/1 [=====] - 0s 74ms/step
>3587, dr[0.340,0.558], df[0.109,0.175], g[2.929,0.108]
1/1 [=====] - 0s 70ms/step
>3588, dr[0.244,0.631], df[0.360,0.219], g[2.408,0.296]
1/1 [=====] - 0s 89ms/step
>3589, dr[0.097,0.495], df[0.319,0.228], g[2.860,0.201]
1/1 [=====] - 0s 70ms/step
>3590, dr[0.104,0.533], df[0.227,0.113], g[3.090,0.123]
1/1 [=====] - 0s 73ms/step
>3591, dr[0.146,0.580], df[0.270,0.109], g[3.323,0.198]
1/1 [=====] - 0s 69ms/step
>3592, dr[0.296,0.484], df[0.111,0.121], g[3.449,0.224]
1/1 [=====] - 0s 78ms/step
>3593, dr[0.148,0.410], df[0.147,0.117], g[3.446,0.139]
1/1 [=====] - 0s 71ms/step
```

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>3594, dr[0.521,0.545], df[0.109,0.258], g[3.283,0.115]
1/1 [=====] - 0s 71ms/step
>3595, dr[0.246,0.886], df[0.152,0.117], g[2.402,0.081]
1/1 [=====] - 0s 79ms/step
>3596, dr[0.205,0.620], df[0.238,0.114], g[2.585,0.089]
1/1 [=====] - 0s 75ms/step
>3597, dr[0.199,0.591], df[0.317,0.125], g[2.523,0.125]
1/1 [=====] - 0s 83ms/step
>3598, dr[0.079,1.046], df[0.510,0.158], g[2.299,0.149]
1/1 [=====] - 0s 74ms/step
>3599, dr[0.112,0.977], df[0.211,0.161], g[2.881,0.125]
1/1 [=====] - 0s 80ms/step
>3600, dr[0.225,0.706], df[0.136,0.239], g[3.286,0.144]
1/1 [=====] - 0s 70ms/step
>3601, dr[0.095,0.702], df[0.205,0.189], g[3.160,0.165]
1/1 [=====] - 0s 71ms/step
>3602, dr[0.447,0.526], df[0.117,0.099], g[3.262,0.147]
1/1 [=====] - 0s 70ms/step
>3603, dr[0.176,0.416], df[0.153,0.188], g[2.589,0.115]
1/1 [=====] - 0s 74ms/step
>3604, dr[0.172,0.864], df[0.172,0.152], g[2.167,0.117]
1/1 [=====] - 0s 74ms/step
>3605, dr[0.092,0.484], df[0.293,0.213], g[2.272,0.085]
1/1 [=====] - 0s 74ms/step
>3606, dr[0.245,0.606], df[0.272,0.074], g[1.965,0.207]
1/1 [=====] - 0s 90ms/step
>3607, dr[0.190,0.854], df[0.344,0.162], g[2.211,0.149]
1/1 [=====] - 0s 70ms/step
>3608, dr[0.198,0.674], df[0.351,0.167], g[2.429,0.153]
1/1 [=====] - 0s 102ms/step
>3609, dr[0.136,0.672], df[0.402,0.218], g[1.725,0.172]
1/1 [=====] - 0s 82ms/step
>3610, dr[0.282,0.488], df[0.033,0.138], g[1.960,0.082]
1/1 [=====] - 0s 77ms/step
>3611, dr[0.150,0.542], df[0.151,0.254], g[1.990,0.087]
1/1 [=====] - 0s 131ms/step
>3612, dr[0.305,0.661], df[0.185,0.173], g[2.013,0.173]
1/1 [=====] - 0s 80ms/step
>3613, dr[0.213,0.452], df[0.408,0.138], g[1.487,0.302]
1/1 [=====] - 0s 88ms/step
>3614, dr[0.153,0.611], df[0.218,0.265], g[2.127,0.130]
1/1 [=====] - 0s 87ms/step
>3615, dr[0.137,0.678], df[0.281,0.302], g[2.874,0.181]
1/1 [=====] - 0s 77ms/step
>3616, dr[0.387,0.320], df[0.213,0.074], g[2.093,0.152]
1/1 [=====] - 0s 85ms/step
>3617, dr[0.154,0.670], df[0.051,0.131], g[2.335,0.165]
1/1 [=====] - 0s 97ms/step
>3618, dr[0.131,0.516], df[0.060,0.107], g[2.578,0.167]
1/1 [=====] - 0s 77ms/step
>3619, dr[0.146,0.618], df[0.117,0.403], g[2.161,0.175]
1/1 [=====] - 0s 82ms/step
>3620, dr[0.068,0.299], df[0.101,0.172], g[1.378,0.180]
1/1 [=====] - 0s 71ms/step
>3621, dr[0.243,0.376], df[0.051,0.387], g[1.570,0.078]
1/1 [=====] - 0s 71ms/step
>3622, dr[0.081,0.581], df[0.057,0.064], g[1.320,0.216]
1/1 [=====] - 0s 76ms/step
>3623, dr[0.086,0.671], df[0.100,0.157], g[1.368,0.192]
1/1 [=====] - 0s 78ms/step
```

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>3624, dr[0.024,0.600], df[0.129,0.120], g[0.988,0.135]
1/1 [=====] - 0s 83ms/step
>3625, dr[0.048,0.595], df[0.133,0.188], g[0.723,0.249]
1/1 [=====] - 0s 79ms/step
>3626, dr[0.127,0.894], df[0.197,0.180], g[1.065,0.134]
1/1 [=====] - 0s 86ms/step
>3627, dr[0.076,0.507], df[0.049,0.195], g[0.847,0.207]
1/1 [=====] - 0s 96ms/step
>3628, dr[0.074,0.705], df[0.100,0.132], g[1.202,0.051]
1/1 [=====] - 0s 76ms/step
>3629, dr[0.037,0.593], df[0.122,0.108], g[1.651,0.146]
1/1 [=====] - 0s 104ms/step
>3630, dr[0.026,0.381], df[0.047,0.095], g[1.350,0.072]
1/1 [=====] - 0s 87ms/step
>3631, dr[0.025,0.755], df[0.011,0.216], g[1.466,0.140]
1/1 [=====] - 0s 73ms/step
>3632, dr[0.174,1.030], df[0.106,0.141], g[1.388,0.229]
1/1 [=====] - 0s 84ms/step
>3633, dr[0.173,0.631], df[0.092,0.120], g[1.053,0.129]
1/1 [=====] - 0s 76ms/step
>3634, dr[0.076,0.602], df[0.072,0.162], g[1.006,0.225]
1/1 [=====] - 0s 71ms/step
>3635, dr[0.086,0.506], df[0.072,0.067], g[0.461,0.117]
1/1 [=====] - 0s 81ms/step
>3636, dr[0.034,0.844], df[0.023,0.132], g[0.845,0.107]
1/1 [=====] - 0s 79ms/step
>3637, dr[0.063,0.426], df[0.191,0.109], g[0.731,0.197]
1/1 [=====] - 0s 111ms/step
>3638, dr[0.040,0.534], df[0.246,0.236], g[0.495,0.168]
1/1 [=====] - 0s 100ms/step
>3639, dr[0.031,0.240], df[0.091,0.085], g[0.972,0.208]
1/1 [=====] - 0s 99ms/step
>3640, dr[0.127,0.472], df[0.046,0.069], g[1.081,0.082]
1/1 [=====] - 0s 94ms/step
>3641, dr[0.069,0.443], df[0.127,0.093], g[1.509,0.102]
1/1 [=====] - 0s 108ms/step
>3642, dr[0.134,0.305], df[0.026,0.225], g[1.373,0.125]
1/1 [=====] - 0s 91ms/step
>3643, dr[0.280,0.786], df[0.016,0.132], g[1.193,0.114]
1/1 [=====] - 0s 96ms/step
>3644, dr[0.111,0.784], df[0.043,0.071], g[1.028,0.148]
1/1 [=====] - 0s 80ms/step
>3645, dr[0.072,0.567], df[0.059,0.112], g[0.505,0.276]
1/1 [=====] - 0s 86ms/step
>3646, dr[0.101,0.386], df[0.119,0.134], g[0.436,0.129]
1/1 [=====] - 0s 79ms/step
>3647, dr[0.047,0.651], df[0.240,0.103], g[0.562,0.114]
1/1 [=====] - 0s 82ms/step
>3648, dr[0.048,0.609], df[0.461,0.114], g[0.662,0.292]
1/1 [=====] - 0s 82ms/step
>3649, dr[0.040,0.446], df[0.111,0.321], g[1.074,0.136]
1/1 [=====] - 0s 84ms/step
>3650, dr[0.063,0.540], df[0.055,0.124], g[0.892,0.203]
1/1 [=====] - 0s 80ms/step
>3651, dr[0.194,0.412], df[0.069,0.049], g[1.328,0.221]
1/1 [=====] - 0s 77ms/step
>3652, dr[0.357,0.405], df[0.047,0.105], g[0.698,0.168]
1/1 [=====] - 0s 73ms/step
>3653, dr[0.207,0.456], df[0.095,0.154], g[1.227,0.294]
1/1 [=====] - 0s 75ms/step
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>3654, dr[0.209,0.728], df[0.168,0.066], g[0.537,0.184]
1/1 [=====] - 0s 73ms/step
>3655, dr[0.113,1.214], df[0.370,0.157], g[0.371,0.180]
1/1 [=====] - 0s 86ms/step
>3656, dr[0.059,0.343], df[0.313,0.093], g[0.528,0.190]
1/1 [=====] - 0s 74ms/step
>3657, dr[0.121,0.671], df[0.346,0.218], g[0.958,0.140]
1/1 [=====] - 0s 77ms/step
>3658, dr[0.201,0.531], df[0.143,0.130], g[1.030,0.155]
1/1 [=====] - 0s 73ms/step
>3659, dr[0.079,0.468], df[0.035,0.087], g[1.599,0.179]
1/1 [=====] - 0s 73ms/step
>3660, dr[0.117,0.392], df[0.019,0.316], g[1.957,0.212]
1/1 [=====] - 0s 76ms/step
>3661, dr[0.781,0.257], df[0.042,0.167], g[1.259,0.100]
1/1 [=====] - 0s 70ms/step
>3662, dr[0.181,0.447], df[0.062,0.236], g[0.624,0.101]
1/1 [=====] - 0s 80ms/step
>3663, dr[0.073,0.368], df[0.172,0.151], g[0.572,0.160]
1/1 [=====] - 0s 69ms/step
>3664, dr[0.039,0.428], df[0.428,0.179], g[0.576,0.205]
1/1 [=====] - 0s 77ms/step
>3665, dr[0.035,0.902], df[0.507,0.218], g[0.796,0.120]
1/1 [=====] - 0s 70ms/step
>3666, dr[0.086,0.642], df[0.126,0.065], g[1.403,0.200]
1/1 [=====] - 0s 75ms/step
>3667, dr[0.180,0.491], df[0.159,0.086], g[1.281,0.219]
1/1 [=====] - 0s 73ms/step
>3668, dr[0.301,0.508], df[0.013,0.044], g[1.404,0.230]
1/1 [=====] - 0s 74ms/step
>3669, dr[0.215,0.850], df[0.122,0.056], g[1.544,0.135]
1/1 [=====] - 0s 76ms/step
>3670, dr[0.093,0.504], df[0.327,0.084], g[0.956,0.259]
1/1 [=====] - 0s 69ms/step
>3671, dr[0.148,0.603], df[0.101,0.041], g[1.148,0.148]
1/1 [=====] - 0s 79ms/step
>3672, dr[0.235,0.919], df[0.129,0.091], g[1.107,0.206]
1/1 [=====] - 0s 67ms/step
>3673, dr[0.267,0.316], df[0.183,0.099], g[0.525,0.107]
1/1 [=====] - 0s 77ms/step
>3674, dr[0.162,0.715], df[0.341,0.141], g[0.924,0.214]
1/1 [=====] - 0s 71ms/step
>3675, dr[0.173,0.601], df[0.612,0.070], g[0.961,0.103]
1/1 [=====] - 0s 72ms/step
>3676, dr[0.134,0.715], df[0.337,0.124], g[1.469,0.133]
1/1 [=====] - 0s 71ms/step
>3677, dr[0.181,1.049], df[0.122,0.142], g[2.376,0.114]
1/1 [=====] - 0s 70ms/step
>3678, dr[0.502,0.902], df[0.121,0.201], g[1.836,0.162]
1/1 [=====] - 0s 73ms/step
>3679, dr[0.325,0.215], df[0.221,0.124], g[1.848,0.190]
1/1 [=====] - 0s 74ms/step
>3680, dr[0.693,0.519], df[0.361,0.125], g[0.843,0.121]
1/1 [=====] - 0s 84ms/step
>3681, dr[0.057,0.182], df[0.656,0.177], g[1.193,0.145]
1/1 [=====] - 0s 68ms/step
>3682, dr[0.073,0.469], df[0.476,0.142], g[1.652,0.084]
1/1 [=====] - 0s 77ms/step
>3683, dr[0.450,0.265], df[0.190,0.064], g[1.663,0.082]
1/1 [=====] - 0s 70ms/step
```

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>3684, dr[0.211,0.704], df[0.174,0.057], g[2.039,0.158]
1/1 [=====] - 0s 69ms/step
>3685, dr[0.379,0.648], df[0.105,0.180], g[2.380,0.168]
1/1 [=====] - 0s 69ms/step
>3686, dr[0.107,0.671], df[0.272,0.052], g[1.735,0.106]
1/1 [=====] - 0s 70ms/step
>3687, dr[0.135,0.728], df[0.204,0.064], g[2.276,0.115]
1/1 [=====] - 0s 77ms/step
>3688, dr[0.308,0.303], df[0.088,0.136], g[2.013,0.137]
1/1 [=====] - 0s 68ms/step
>3689, dr[0.243,0.669], df[0.448,0.099], g[2.083,0.089]
1/1 [=====] - 0s 83ms/step
>3690, dr[0.116,0.357], df[0.134,0.048], g[2.240,0.108]
1/1 [=====] - 0s 68ms/step
>3691, dr[0.033,0.536], df[0.189,0.145], g[3.023,0.088]
1/1 [=====] - 0s 69ms/step
>3692, dr[0.119,0.853], df[0.316,0.050], g[2.430,0.108]
1/1 [=====] - 0s 68ms/step
>3693, dr[0.383,0.562], df[0.093,0.096], g[2.834,0.219]
1/1 [=====] - 0s 70ms/step
>3694, dr[0.243,0.509], df[0.110,0.035], g[2.319,0.125]
1/1 [=====] - 0s 70ms/step
>3695, dr[0.304,0.932], df[0.250,0.143], g[2.352,0.070]
1/1 [=====] - 0s 68ms/step
>3696, dr[0.323,0.532], df[0.310,0.098], g[2.178,0.156]
1/1 [=====] - 0s 79ms/step
>3697, dr[0.262,0.474], df[0.199,0.058], g[1.597,0.143]
1/1 [=====] - 0s 73ms/step
>3698, dr[0.083,0.729], df[0.581,0.109], g[2.033,0.131]
1/1 [=====] - 0s 76ms/step
>3699, dr[0.313,0.693], df[0.188,0.057], g[2.202,0.057]
1/1 [=====] - 0s 70ms/step
>3700, dr[0.288,0.465], df[0.266,0.107], g[2.322,0.095]
1/1 [=====] - 0s 76ms/step
>3701, dr[0.474,0.630], df[0.127,0.061], g[2.015,0.110]
1/1 [=====] - 0s 74ms/step
>3702, dr[0.221,0.543], df[0.236,0.106], g[1.533,0.050]
1/1 [=====] - 0s 69ms/step
>3703, dr[0.106,0.677], df[0.312,0.069], g[1.697,0.097]
1/1 [=====] - 0s 69ms/step
>3704, dr[0.360,0.351], df[0.262,0.027], g[1.834,0.084]
1/1 [=====] - 0s 73ms/step
>3705, dr[0.330,0.610], df[0.275,0.078], g[1.583,0.122]
1/1 [=====] - 0s 76ms/step
>3706, dr[0.233,0.684], df[0.451,0.108], g[2.371,0.115]
1/1 [=====] - 0s 70ms/step
>3707, dr[0.151,0.710], df[0.351,0.120], g[2.283,0.112]
1/1 [=====] - 0s 80ms/step
>3708, dr[0.328,0.492], df[0.372,0.106], g[2.862,0.059]
1/1 [=====] - 0s 70ms/step
>3709, dr[0.269,0.590], df[0.113,0.063], g[3.482,0.099]
1/1 [=====] - 0s 84ms/step
>3710, dr[0.289,0.474], df[0.124,0.097], g[3.361,0.081]
1/1 [=====] - 0s 73ms/step
>3711, dr[0.813,0.669], df[0.175,0.066], g[2.090,0.083]
1/1 [=====] - 0s 74ms/step
>3712, dr[0.110,0.473], df[0.187,0.120], g[1.959,0.061]
1/1 [=====] - 0s 71ms/step
>3713, dr[0.252,0.701], df[0.358,0.113], g[1.756,0.095]
1/1 [=====] - 0s 73ms/step
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>3714, dr[0.125,0.243], df[0.306,0.067], g[1.482,0.101]
1/1 [=====] - 0s 78ms/step
>3715, dr[0.094,0.404], df[0.347,0.112], g[1.778,0.122]
1/1 [=====] - 0s 69ms/step
>3716, dr[0.313,0.343], df[0.177,0.112], g[2.593,0.145]
1/1 [=====] - 0s 77ms/step
>3717, dr[0.150,0.852], df[0.106,0.029], g[2.747,0.058]
1/1 [=====] - 0s 69ms/step
>3718, dr[0.215,0.625], df[0.091,0.073], g[2.816,0.130]
1/1 [=====] - 0s 87ms/step
>3719, dr[0.200,0.596], df[0.182,0.072], g[2.312,0.082]
1/1 [=====] - 0s 69ms/step
>3720, dr[0.284,0.901], df[0.284,0.115], g[2.251,0.076]
1/1 [=====] - 0s 70ms/step
>3721, dr[0.166,1.304], df[0.203,0.078], g[1.864,0.101]
1/1 [=====] - 0s 70ms/step
>3722, dr[0.243,0.516], df[0.224,0.176], g[1.879,0.153]
1/1 [=====] - 0s 76ms/step
>3723, dr[0.092,0.364], df[0.354,0.108], g[1.855,0.160]
1/1 [=====] - 0s 75ms/step
>3724, dr[0.386,1.011], df[0.203,0.275], g[2.389,0.097]
1/1 [=====] - 0s 78ms/step
>3725, dr[0.058,0.548], df[0.366,0.109], g[2.709,0.066]
1/1 [=====] - 0s 86ms/step
>3726, dr[0.233,0.582], df[0.140,0.165], g[2.356,0.111]
1/1 [=====] - 0s 84ms/step
>3727, dr[0.270,0.942], df[0.110,0.153], g[2.564,0.102]
1/1 [=====] - 0s 71ms/step
>3728, dr[0.257,0.627], df[0.115,0.152], g[2.387,0.145]
1/1 [=====] - 0s 82ms/step
>3729, dr[0.165,0.502], df[0.194,0.052], g[2.194,0.094]
1/1 [=====] - 0s 74ms/step
>3730, dr[0.241,0.853], df[0.408,0.147], g[2.060,0.158]
1/1 [=====] - 0s 75ms/step
>3731, dr[0.212,0.857], df[0.188,0.114], g[2.457,0.060]
1/1 [=====] - 0s 70ms/step
>3732, dr[0.124,0.832], df[0.181,0.106], g[2.425,0.093]
1/1 [=====] - 0s 71ms/step
>3733, dr[0.064,0.584], df[0.249,0.135], g[2.365,0.111]
1/1 [=====] - 0s 72ms/step
>3734, dr[0.545,1.077], df[0.318,0.124], g[3.401,0.113]
1/1 [=====] - 0s 75ms/step
>3735, dr[0.402,0.682], df[0.084,0.128], g[2.394,0.076]
1/1 [=====] - 0s 72ms/step
>3736, dr[0.223,0.360], df[0.254,0.097], g[2.230,0.152]
1/1 [=====] - 0s 70ms/step
>3737, dr[0.285,0.502], df[0.325,0.112], g[2.028,0.092]
1/1 [=====] - 0s 75ms/step
>3738, dr[0.230,0.715], df[0.303,0.045], g[2.553,0.092]
1/1 [=====] - 0s 69ms/step
>3739, dr[0.191,0.602], df[0.323,0.117], g[2.087,0.140]
1/1 [=====] - 0s 81ms/step
>3740, dr[0.421,0.626], df[0.070,0.141], g[2.825,0.132]
1/1 [=====] - 0s 75ms/step
>3741, dr[0.188,0.160], df[0.324,0.140], g[2.467,0.120]
1/1 [=====] - 0s 71ms/step
>3742, dr[0.280,0.513], df[0.283,0.065], g[2.317,0.119]
1/1 [=====] - 0s 76ms/step
>3743, dr[0.509,0.674], df[0.227,0.045], g[2.072,0.088]
1/1 [=====] - 0s 75ms/step
```

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>3744, dr[0.124,0.454], df[0.750,0.116], g[1.408,0.173]
1/1 [=====] - 0s 75ms/step
>3745, dr[0.307,0.673], df[0.286,0.099], g[2.395,0.072]
1/1 [=====] - 0s 82ms/step
>3746, dr[0.563,0.856], df[0.246,0.097], g[1.971,0.141]
1/1 [=====] - 0s 79ms/step
>3747, dr[0.092,0.852], df[0.377,0.083], g[2.024,0.181]
1/1 [=====] - 0s 74ms/step
>3748, dr[0.498,0.437], df[0.141,0.109], g[2.005,0.100]
1/1 [=====] - 0s 48ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 126ms/step
>3749, dr[0.284,0.711], df[0.344,0.177], g[1.924,0.107]
1/1 [=====] - 0s 91ms/step
>3750, dr[0.148,0.980], df[0.392,0.132], g[2.315,0.112]
1/1 [=====] - 0s 131ms/step
>3751, dr[0.350,0.552], df[0.149,0.090], g[2.655,0.132]
1/1 [=====] - 0s 73ms/step
>3752, dr[0.222,0.292], df[0.064,0.091], g[1.867,0.210]
1/1 [=====] - 0s 93ms/step
>3753, dr[0.272,0.592], df[0.166,0.188], g[2.138,0.114]
1/1 [=====] - 0s 84ms/step
>3754, dr[0.167,0.779], df[0.215,0.136], g[1.302,0.189]
1/1 [=====] - 0s 85ms/step
>3755, dr[0.093,0.815], df[0.377,0.180], g[1.502,0.239]
1/1 [=====] - 0s 78ms/step
>3756, dr[0.104,0.464], df[0.435,0.132], g[1.610,0.088]
1/1 [=====] - 0s 117ms/step
>3757, dr[0.089,0.295], df[0.239,0.103], g[2.396,0.109]
1/1 [=====] - 0s 104ms/step
>3758, dr[0.396,0.640], df[0.156,0.302], g[1.993,0.165]
1/1 [=====] - 0s 108ms/step
>3759, dr[0.341,0.714], df[0.088,0.157], g[2.198,0.119]
1/1 [=====] - 0s 80ms/step
>3760, dr[0.412,0.983], df[0.251,0.192], g[1.872,0.126]
1/1 [=====] - 0s 75ms/step
>3761, dr[0.292,0.514], df[0.171,0.087], g[1.500,0.080]
1/1 [=====] - 0s 98ms/step
>3762, dr[0.258,0.604], df[0.297,0.055], g[1.181,0.160]
1/1 [=====] - 0s 81ms/step
>3763, dr[0.219,0.392], df[0.511,0.202], g[1.360,0.176]
1/1 [=====] - 0s 75ms/step
>3764, dr[0.094,0.355], df[0.383,0.043], g[1.020,0.214]
1/1 [=====] - 0s 75ms/step
>3765, dr[0.258,0.440], df[0.319,0.053], g[1.441,0.124]
1/1 [=====] - 0s 76ms/step
>3766, dr[0.140,0.505], df[0.107,0.121], g[2.080,0.217]
1/1 [=====] - 0s 74ms/step
>3767, dr[0.299,1.017], df[0.260,0.138], g[2.073,0.120]
1/1 [=====] - 0s 78ms/step
>3768, dr[0.931,0.771], df[0.155,0.126], g[1.490,0.167]
1/1 [=====] - 0s 76ms/step
>3769, dr[0.200,0.672], df[0.507,0.091], g[1.097,0.227]
1/1 [=====] - 0s 83ms/step
>3770, dr[0.174,0.615], df[0.759,0.244], g[1.314,0.071]
1/1 [=====] - 0s 79ms/step
>3771, dr[0.156,0.634], df[0.381,0.074], g[1.666,0.148]
1/1 [=====] - 0s 70ms/step
```

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>3772, dr[0.204,0.811], df[0.149,0.172], g[2.494,0.152]
1/1 [=====] - 0s 77ms/step
>3773, dr[0.809,0.724], df[0.156,0.188], g[2.051,0.105]
1/1 [=====] - 0s 83ms/step
>3774, dr[0.502,0.453], df[0.623,0.223], g[1.778,0.140]
1/1 [=====] - 0s 76ms/step
>3775, dr[0.233,0.830], df[0.516,0.219], g[1.750,0.203]
1/1 [=====] - 0s 80ms/step
>3776, dr[0.528,0.414], df[0.597,0.082], g[1.495,0.135]
1/1 [=====] - 0s 74ms/step
>3777, dr[0.105,0.471], df[0.262,0.084], g[1.842,0.076]
1/1 [=====] - 0s 79ms/step
>3778, dr[0.283,0.867], df[0.084,0.077], g[1.929,0.111]
1/1 [=====] - 0s 76ms/step
>3779, dr[0.357,0.283], df[0.213,0.065], g[1.821,0.129]
1/1 [=====] - 0s 74ms/step
>3780, dr[0.300,0.318], df[0.612,0.042], g[2.018,0.102]
1/1 [=====] - 0s 72ms/step
>3781, dr[0.335,1.047], df[0.186,0.170], g[2.187,0.103]
1/1 [=====] - 0s 78ms/step
>3782, dr[0.173,0.944], df[0.350,0.167], g[1.869,0.181]
1/1 [=====] - 0s 77ms/step
>3783, dr[0.250,0.419], df[0.355,0.115], g[1.708,0.179]
1/1 [=====] - 0s 86ms/step
>3784, dr[0.391,0.451], df[0.160,0.114], g[1.736,0.189]
1/1 [=====] - 0s 85ms/step
>3785, dr[0.257,0.666], df[0.135,0.092], g[1.591,0.306]
1/1 [=====] - 0s 76ms/step
>3786, dr[0.149,0.637], df[0.398,0.082], g[1.413,0.193]
1/1 [=====] - 0s 75ms/step
>3787, dr[0.217,0.557], df[0.155,0.206], g[2.058,0.120]
1/1 [=====] - 0s 75ms/step
>3788, dr[0.158,0.381], df[0.483,0.288], g[1.548,0.225]
1/1 [=====] - 0s 71ms/step
>3789, dr[0.331,0.767], df[0.208,0.187], g[2.157,0.088]
1/1 [=====] - 0s 84ms/step
>3790, dr[0.439,0.942], df[0.296,0.228], g[2.329,0.159]
1/1 [=====] - 0s 72ms/step
>3791, dr[0.589,1.304], df[0.155,0.144], g[1.324,0.190]
1/1 [=====] - 0s 79ms/step
>3792, dr[0.344,0.196], df[0.400,0.071], g[1.784,0.180]
1/1 [=====] - 0s 76ms/step
>3793, dr[0.245,0.637], df[0.407,0.249], g[1.142,0.249]
1/1 [=====] - 0s 75ms/step
>3794, dr[0.126,0.473], df[0.517,0.103], g[2.077,0.262]
1/1 [=====] - 0s 71ms/step
>3795, dr[0.387,0.532], df[0.339,0.114], g[2.329,0.229]
1/1 [=====] - 0s 73ms/step
>3796, dr[0.657,0.700], df[0.750,0.160], g[2.782,0.130]
1/1 [=====] - 0s 81ms/step
>3797, dr[0.578,0.702], df[0.184,0.136], g[3.149,0.169]
1/1 [=====] - 0s 71ms/step
>3798, dr[0.382,0.446], df[0.172,0.062], g[2.231,0.200]
1/1 [=====] - 0s 84ms/step
>3799, dr[0.512,0.650], df[0.271,0.088], g[1.326,0.206]
1/1 [=====] - 0s 71ms/step
>3800, dr[0.295,0.469], df[0.244,0.162], g[1.423,0.247]
1/1 [=====] - 0s 82ms/step
>3801, dr[0.096,0.718], df[0.615,0.232], g[1.172,0.181]
1/1 [=====] - 0s 76ms/step
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>3802, dr[0.101,0.637], df[0.574,0.251], g[2.154,0.339]
1/1 [=====] - 0s 71ms/step
>3803, dr[0.272,0.744], df[0.324,0.145], g[2.021,0.229]
1/1 [=====] - 0s 71ms/step
>3804, dr[0.511,0.515], df[0.255,0.250], g[1.973,0.128]
1/1 [=====] - 0s 76ms/step
>3805, dr[0.246,0.395], df[0.178,0.106], g[2.353,0.142]
1/1 [=====] - 0s 81ms/step
>3806, dr[0.537,0.578], df[0.388,0.389], g[1.840,0.295]
1/1 [=====] - 0s 72ms/step
>3807, dr[0.319,0.627], df[0.256,0.247], g[2.513,0.346]
1/1 [=====] - 0s 77ms/step
>3808, dr[0.343,0.513], df[0.050,0.312], g[1.604,0.257]
1/1 [=====] - 0s 72ms/step
>3809, dr[0.212,0.486], df[0.144,0.211], g[1.916,0.242]
1/1 [=====] - 0s 71ms/step
>3810, dr[0.166,0.483], df[0.563,0.232], g[1.408,0.209]
1/1 [=====] - 0s 70ms/step
>3811, dr[0.321,0.281], df[0.524,0.126], g[1.457,0.221]
1/1 [=====] - 0s 71ms/step
>3812, dr[0.272,0.424], df[0.320,0.119], g[1.968,0.290]
1/1 [=====] - 0s 79ms/step
>3813, dr[0.421,1.056], df[0.336,0.219], g[2.045,0.255]
1/1 [=====] - 0s 78ms/step
>3814, dr[0.289,0.587], df[0.418,0.069], g[2.133,0.136]
1/1 [=====] - 0s 76ms/step
>3815, dr[0.217,0.487], df[0.110,0.166], g[2.355,0.250]
1/1 [=====] - 0s 71ms/step
>3816, dr[0.403,0.974], df[0.147,0.158], g[2.351,0.139]
1/1 [=====] - 0s 75ms/step
>3817, dr[0.492,0.801], df[0.649,0.241], g[1.695,0.165]
1/1 [=====] - 0s 77ms/step
>3818, dr[0.275,0.506], df[0.221,0.230], g[1.160,0.157]
1/1 [=====] - 0s 71ms/step
>3819, dr[0.186,0.536], df[0.445,0.123], g[1.777,0.178]
1/1 [=====] - 0s 84ms/step
>3820, dr[0.178,0.727], df[0.415,0.217], g[1.535,0.090]
1/1 [=====] - 0s 70ms/step
>3821, dr[0.347,0.347], df[0.177,0.133], g[2.020,0.317]
1/1 [=====] - 0s 81ms/step
>3822, dr[0.277,0.536], df[0.243,0.132], g[1.780,0.162]
1/1 [=====] - 0s 70ms/step
>3823, dr[0.345,0.404], df[0.399,0.272], g[1.980,0.176]
1/1 [=====] - 0s 72ms/step
>3824, dr[0.326,0.816], df[0.544,0.330], g[2.310,0.115]
1/1 [=====] - 0s 71ms/step
>3825, dr[0.175,0.596], df[0.259,0.167], g[2.334,0.232]
1/1 [=====] - 0s 72ms/step
>3826, dr[0.499,0.422], df[0.321,0.224], g[3.013,0.095]
1/1 [=====] - 0s 74ms/step
>3827, dr[0.555,0.443], df[0.147,0.292], g[2.688,0.130]
1/1 [=====] - 0s 70ms/step
>3828, dr[0.395,0.689], df[0.133,0.128], g[2.361,0.260]
1/1 [=====] - 0s 80ms/step
>3829, dr[0.623,0.414], df[0.305,0.104], g[2.175,0.153]
1/1 [=====] - 0s 70ms/step
>3830, dr[0.142,0.594], df[0.326,0.163], g[1.614,0.140]
1/1 [=====] - 0s 83ms/step
>3831, dr[0.157,0.547], df[0.479,0.157], g[1.535,0.343]
1/1 [=====] - 0s 71ms/step
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>3832, dr[0.153,1.004], df[0.234,0.090], g[2.258,0.206]
1/1 [=====] - 0s 71ms/step
>3833, dr[0.282,0.326], df[0.273,0.116], g[2.282,0.213]
1/1 [=====] - 0s 75ms/step
>3834, dr[0.232,1.102], df[0.165,0.176], g[1.991,0.277]
1/1 [=====] - 0s 72ms/step
>3835, dr[0.234,0.371], df[0.192,0.183], g[2.043,0.157]
1/1 [=====] - 0s 80ms/step
>3836, dr[0.483,0.876], df[0.345,0.234], g[1.527,0.167]
1/1 [=====] - 0s 71ms/step
>3837, dr[0.473,0.758], df[0.477,0.303], g[1.607,0.151]
1/1 [=====] - 0s 79ms/step
>3838, dr[0.171,0.873], df[0.772,0.105], g[1.306,0.205]
1/1 [=====] - 0s 71ms/step
>3839, dr[0.238,0.392], df[0.268,0.113], g[1.871,0.281]
1/1 [=====] - 0s 75ms/step
>3840, dr[0.205,0.506], df[0.277,0.104], g[2.487,0.130]
1/1 [=====] - 0s 73ms/step
>3841, dr[0.737,0.590], df[0.143,0.166], g[1.834,0.181]
1/1 [=====] - 0s 70ms/step
>3842, dr[0.768,0.263], df[1.141,0.229], g[1.519,0.167]
1/1 [=====] - 0s 83ms/step
>3843, dr[0.618,0.883], df[0.624,0.131], g[1.068,0.196]
1/1 [=====] - 0s 73ms/step
>3844, dr[0.396,0.448], df[0.371,0.112], g[1.291,0.171]
1/1 [=====] - 0s 78ms/step
>3845, dr[0.293,0.545], df[0.475,0.206], g[1.416,0.111]
1/1 [=====] - 0s 69ms/step
>3846, dr[0.373,0.413], df[0.274,0.159], g[1.199,0.125]
1/1 [=====] - 0s 78ms/step
>3847, dr[0.403,0.589], df[0.306,0.130], g[1.542,0.091]
1/1 [=====] - 0s 85ms/step
>3848, dr[0.196,0.334], df[0.711,0.167], g[1.033,0.227]
1/1 [=====] - 0s 75ms/step
>3849, dr[0.250,0.670], df[0.242,0.173], g[1.723,0.187]
1/1 [=====] - 0s 81ms/step
>3850, dr[0.231,0.780], df[0.205,0.353], g[1.758,0.152]
1/1 [=====] - 0s 79ms/step
>3851, dr[0.278,0.385], df[0.074,0.128], g[2.117,0.199]
1/1 [=====] - 0s 79ms/step
>3852, dr[0.325,0.423], df[0.615,0.198], g[1.660,0.146]
1/1 [=====] - 0s 76ms/step
>3853, dr[0.248,0.679], df[0.250,0.383], g[2.099,0.221]
1/1 [=====] - 0s 73ms/step
>3854, dr[0.465,0.612], df[0.253,0.218], g[1.794,0.159]
1/1 [=====] - 0s 81ms/step
>3855, dr[0.170,0.504], df[0.311,0.511], g[2.158,0.112]
1/1 [=====] - 0s 76ms/step
>3856, dr[0.240,0.605], df[0.193,0.280], g[2.075,0.128]
1/1 [=====] - 0s 82ms/step
>3857, dr[0.266,0.426], df[0.240,0.228], g[1.421,0.168]
1/1 [=====] - 0s 76ms/step
>3858, dr[0.454,0.529], df[0.122,0.144], g[2.123,0.160]
1/1 [=====] - 0s 81ms/step
>3859, dr[0.133,0.810], df[0.134,0.162], g[1.531,0.185]
1/1 [=====] - 0s 72ms/step
>3860, dr[0.096,0.384], df[0.220,0.224], g[1.585,0.189]
1/1 [=====] - 0s 70ms/step
>3861, dr[0.077,1.059], df[0.157,0.320], g[1.382,0.233]
1/1 [=====] - 0s 72ms/step
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>3862, dr[0.055,0.334], df[0.062,0.283], g[1.043,0.202]
1/1 [=====] - 0s 71ms/step
>3863, dr[0.153,0.529], df[0.321,0.190], g[1.025,0.230]
1/1 [=====] - 0s 97ms/step
>3864, dr[0.239,0.732], df[0.077,0.214], g[1.520,0.202]
1/1 [=====] - 0s 70ms/step
>3865, dr[0.146,0.452], df[0.157,0.156], g[1.287,0.150]
1/1 [=====] - 0s 73ms/step
>3866, dr[0.051,0.686], df[0.661,0.207], g[1.656,0.170]
1/1 [=====] - 0s 71ms/step
>3867, dr[0.204,0.600], df[0.173,0.199], g[2.225,0.257]
1/1 [=====] - 0s 68ms/step
>3868, dr[0.180,0.708], df[0.227,0.132], g[1.932,0.099]
1/1 [=====] - 0s 74ms/step
>3869, dr[0.406,0.675], df[0.074,0.067], g[1.552,0.159]
1/1 [=====] - 0s 75ms/step
>3870, dr[0.550,0.287], df[0.672,0.131], g[1.835,0.122]
1/1 [=====] - 0s 78ms/step
>3871, dr[0.752,0.577], df[0.200,0.120], g[1.289,0.155]
1/1 [=====] - 0s 69ms/step
>3872, dr[0.499,0.691], df[0.370,0.058], g[1.497,0.202]
1/1 [=====] - 0s 84ms/step
>3873, dr[0.180,0.848], df[0.354,0.074], g[0.745,0.146]
1/1 [=====] - 0s 68ms/step
>3874, dr[0.260,0.541], df[0.677,0.122], g[1.046,0.156]
1/1 [=====] - 0s 79ms/step
>3875, dr[0.066,0.615], df[0.323,0.131], g[1.697,0.186]
1/1 [=====] - 0s 70ms/step
>3876, dr[0.191,0.402], df[0.215,0.152], g[1.646,0.225]
1/1 [=====] - 0s 72ms/step
>3877, dr[0.366,0.511], df[0.151,0.190], g[2.106,0.149]
1/1 [=====] - 0s 75ms/step
>3878, dr[0.434,0.606], df[0.139,0.089], g[1.622,0.468]
1/1 [=====] - 0s 74ms/step
>3879, dr[0.699,0.585], df[0.174,0.266], g[1.328,0.276]
1/1 [=====] - 0s 76ms/step
>3880, dr[0.140,0.670], df[0.090,0.136], g[1.508,0.149]
1/1 [=====] - 0s 71ms/step
>3881, dr[0.214,0.383], df[0.787,0.053], g[1.202,0.268]
1/1 [=====] - 0s 81ms/step
>3882, dr[0.237,0.405], df[0.419,0.231], g[1.323,0.171]
1/1 [=====] - 0s 70ms/step
>3883, dr[0.063,0.550], df[0.259,0.107], g[1.251,0.212]
1/1 [=====] - 0s 73ms/step
>3884, dr[0.272,0.734], df[0.272,0.170], g[1.377,0.134]
1/1 [=====] - 0s 72ms/step
>3885, dr[0.368,0.491], df[0.177,0.073], g[1.494,0.211]
1/1 [=====] - 0s 71ms/step
>3886, dr[0.456,0.645], df[0.163,0.104], g[1.220,0.217]
1/1 [=====] - 0s 74ms/step
>3887, dr[0.172,0.846], df[0.370,0.113], g[1.150,0.305]
1/1 [=====] - 0s 73ms/step
>3888, dr[0.223,0.835], df[0.438,0.110], g[1.270,0.173]
1/1 [=====] - 0s 76ms/step
>3889, dr[0.414,0.800], df[0.253,0.089], g[1.649,0.225]
1/1 [=====] - 0s 70ms/step
>3890, dr[0.354,0.343], df[0.208,0.072], g[1.598,0.094]
1/1 [=====] - 0s 79ms/step
>3891, dr[0.208,0.551], df[0.296,0.105], g[1.663,0.184]
1/1 [=====] - 0s 78ms/step
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>3892, dr[0.253,0.547], df[0.377,0.089], g[1.726,0.290]
1/1 [=====] - 0s 74ms/step
>3893, dr[0.181,0.810], df[0.209,0.093], g[1.897,0.235]
1/1 [=====] - 0s 72ms/step
>3894, dr[0.289,0.898], df[0.362,0.062], g[1.744,0.306]
1/1 [=====] - 0s 71ms/step
>3895, dr[0.285,0.953], df[0.265,0.154], g[1.957,0.198]
1/1 [=====] - 0s 79ms/step
>3896, dr[0.090,0.609], df[0.119,0.135], g[1.873,0.154]
1/1 [=====] - 0s 70ms/step
>3897, dr[0.212,0.836], df[0.433,0.242], g[2.389,0.211]
1/1 [=====] - 0s 86ms/step
>3898, dr[0.430,0.408], df[0.270,0.081], g[2.544,0.092]
1/1 [=====] - 0s 71ms/step
>3899, dr[0.809,0.503], df[0.088,0.249], g[2.431,0.137]
1/1 [=====] - 0s 73ms/step
>3900, dr[0.443,0.388], df[0.222,0.099], g[1.716,0.104]
1/1 [=====] - 0s 75ms/step
>3901, dr[0.112,0.772], df[0.420,0.137], g[1.207,0.179]
1/1 [=====] - 0s 70ms/step
>3902, dr[0.094,0.377], df[0.622,0.187], g[1.441,0.152]
1/1 [=====] - 0s 77ms/step
>3903, dr[0.114,0.502], df[0.730,0.198], g[2.436,0.189]
1/1 [=====] - 0s 74ms/step
>3904, dr[0.206,0.713], df[0.184,0.269], g[2.867,0.184]
1/1 [=====] - 0s 103ms/step
>3905, dr[0.337,0.578], df[0.144,0.147], g[3.477,0.119]
1/1 [=====] - 0s 80ms/step
>3906, dr[0.528,0.524], df[0.190,0.285], g[3.438,0.204]
1/1 [=====] - 0s 70ms/step
>3907, dr[0.809,0.354], df[0.168,0.202], g[3.132,0.128]
1/1 [=====] - 0s 78ms/step
>3908, dr[0.234,0.640], df[0.130,0.081], g[2.336,0.184]
1/1 [=====] - 0s 70ms/step
>3909, dr[0.146,0.391], df[0.303,0.136], g[2.159,0.119]
1/1 [=====] - 0s 89ms/step
>3910, dr[0.201,0.532], df[0.240,0.118], g[2.133,0.232]
1/1 [=====] - 0s 73ms/step
>3911, dr[0.260,0.507], df[0.276,0.108], g[2.231,0.141]
1/1 [=====] - 0s 73ms/step
>3912, dr[0.180,0.816], df[0.459,0.121], g[2.373,0.217]
1/1 [=====] - 0s 75ms/step
>3913, dr[0.254,0.613], df[0.335,0.076], g[2.182,0.177]
1/1 [=====] - 0s 72ms/step
>3914, dr[0.103,0.784], df[0.156,0.149], g[2.627,0.225]
1/1 [=====] - 0s 77ms/step
>3915, dr[0.211,0.460], df[0.371,0.119], g[3.098,0.155]
1/1 [=====] - 0s 72ms/step
>3916, dr[0.422,0.623], df[0.133,0.229], g[2.740,0.117]
1/1 [=====] - 0s 81ms/step
>3917, dr[0.207,0.937], df[0.284,0.073], g[2.950,0.113]
1/1 [=====] - 0s 70ms/step
>3918, dr[0.417,0.257], df[0.112,0.215], g[2.529,0.266]
1/1 [=====] - 0s 77ms/step
>3919, dr[0.209,0.968], df[0.323,0.081], g[2.300,0.146]
1/1 [=====] - 0s 70ms/step
>3920, dr[0.166,0.756], df[0.170,0.151], g[2.981,0.119]
1/1 [=====] - 0s 72ms/step
>3921, dr[0.310,0.440], df[0.458,0.157], g[2.473,0.170]
1/1 [=====] - 0s 74ms/step
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>3922, dr[0.354,0.429], df[0.377,0.028], g[2.014,0.146]
1/1 [=====] - 0s 72ms/step
>3923, dr[0.116,0.336], df[0.295,0.086], g[2.134,0.140]
1/1 [=====] - 0s 77ms/step
>3924, dr[0.343,0.604], df[0.347,0.090], g[2.302,0.206]
1/1 [=====] - 0s 69ms/step
>3925, dr[0.296,0.318], df[0.381,0.042], g[2.336,0.176]
1/1 [=====] - 0s 82ms/step
>3926, dr[0.191,0.441], df[0.307,0.155], g[2.333,0.135]
1/1 [=====] - 0s 71ms/step
>3927, dr[0.548,0.611], df[0.136,0.076], g[2.481,0.177]
1/1 [=====] - 0s 79ms/step
>3928, dr[0.188,0.761], df[0.254,0.152], g[2.311,0.195]
1/1 [=====] - 0s 70ms/step
>3929, dr[0.197,0.437], df[0.386,0.182], g[2.305,0.105]
1/1 [=====] - 0s 75ms/step
>3930, dr[0.183,1.190], df[0.488,0.181], g[2.261,0.135]
1/1 [=====] - 0s 75ms/step
>3931, dr[0.245,0.894], df[0.570,0.160], g[2.933,0.108]
1/1 [=====] - 0s 73ms/step
>3932, dr[0.321,0.402], df[0.450,0.208], g[3.083,0.128]
1/1 [=====] - 0s 80ms/step
>3933, dr[0.541,0.362], df[0.140,0.096], g[3.315,0.112]
1/1 [=====] - 0s 72ms/step
>3934, dr[0.667,0.450], df[0.139,0.041], g[2.589,0.082]
1/1 [=====] - 0s 73ms/step
>3935, dr[0.274,0.369], df[0.551,0.132], g[2.589,0.126]
1/1 [=====] - 0s 71ms/step
>3936, dr[0.244,0.928], df[0.591,0.091], g[2.342,0.113]
1/1 [=====] - 0s 73ms/step
>3937, dr[0.181,0.228], df[0.374,0.062], g[2.297,0.076]
1/1 [=====] - 0s 71ms/step
>3938, dr[0.315,0.495], df[0.150,0.126], g[2.903,0.101]
1/1 [=====] - 0s 72ms/step
>3939, dr[0.118,0.495], df[0.331,0.184], g[2.222,0.111]
1/1 [=====] - 0s 75ms/step
>3940, dr[0.393,0.735], df[0.164,0.044], g[2.436,0.126]
1/1 [=====] - 0s 72ms/step
>3941, dr[0.504,0.611], df[0.328,0.173], g[2.379,0.158]
1/1 [=====] - 0s 77ms/step
>3942, dr[0.271,0.470], df[0.233,0.084], g[3.051,0.160]
1/1 [=====] - 0s 71ms/step
>3943, dr[0.215,0.382], df[0.351,0.247], g[2.407,0.140]
1/1 [=====] - 0s 82ms/step
>3944, dr[0.220,0.438], df[0.489,0.086], g[2.032,0.071]
1/1 [=====] - 0s 71ms/step
>3945, dr[0.100,0.450], df[0.333,0.280], g[2.440,0.146]
1/1 [=====] - 0s 77ms/step
>3946, dr[0.225,0.703], df[0.283,0.128], g[2.906,0.096]
1/1 [=====] - 0s 72ms/step
>3947, dr[0.438,0.569], df[0.261,0.077], g[2.175,0.062]
1/1 [=====] - 0s 72ms/step
>3948, dr[0.656,0.648], df[0.271,0.204], g[2.428,0.074]
1/1 [=====] - 0s 77ms/step
>3949, dr[0.213,0.512], df[0.426,0.077], g[2.457,0.167]
1/1 [=====] - 0s 74ms/step
>3950, dr[0.328,0.606], df[0.172,0.114], g[2.386,0.189]
1/1 [=====] - 0s 78ms/step
>3951, dr[0.332,0.541], df[0.264,0.220], g[2.135,0.170]
1/1 [=====] - 0s 70ms/step
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>3952, dr[0.328,0.611], df[0.156,0.062], g[1.835,0.155]
1/1 [=====] - 0s 74ms/step
>3953, dr[0.260,0.695], df[0.288,0.066], g[1.847,0.086]
1/1 [=====] - 0s 72ms/step
>3954, dr[0.491,0.433], df[0.415,0.152], g[1.169,0.156]
1/1 [=====] - 0s 73ms/step
>3955, dr[0.158,0.650], df[0.630,0.195], g[2.139,0.149]
1/1 [=====] - 0s 70ms/step
>3956, dr[0.376,0.650], df[0.421,0.164], g[2.025,0.117]
1/1 [=====] - 0s 70ms/step
>3957, dr[0.194,0.396], df[0.182,0.116], g[2.703,0.208]
1/1 [=====] - 0s 76ms/step
>3958, dr[0.344,0.627], df[0.296,0.238], g[2.556,0.191]
1/1 [=====] - 0s 74ms/step
>3959, dr[0.289,0.657], df[0.217,0.082], g[2.915,0.160]
1/1 [=====] - 0s 76ms/step
>3960, dr[0.350,0.315], df[0.131,0.101], g[2.443,0.165]
1/1 [=====] - 0s 72ms/step
>3961, dr[0.368,0.673], df[0.175,0.178], g[1.969,0.181]
1/1 [=====] - 0s 76ms/step
>3962, dr[0.196,0.573], df[0.390,0.312], g[2.038,0.155]
1/1 [=====] - 0s 75ms/step
>3963, dr[0.193,0.402], df[0.207,0.115], g[2.005,0.177]
1/1 [=====] - 0s 75ms/step
>3964, dr[0.465,0.753], df[0.560,0.134], g[2.008,0.135]
1/1 [=====] - 0s 76ms/step
>3965, dr[0.366,0.356], df[0.536,0.128], g[2.049,0.125]
1/1 [=====] - 0s 70ms/step
>3966, dr[0.358,0.464], df[0.239,0.183], g[2.380,0.098]
1/1 [=====] - 0s 78ms/step
>3967, dr[0.207,0.469], df[0.236,0.164], g[2.468,0.114]
1/1 [=====] - 0s 69ms/step
>3968, dr[0.166,0.406], df[0.135,0.104], g[2.221,0.183]
1/1 [=====] - 0s 77ms/step
>3969, dr[0.264,0.564], df[0.211,0.166], g[2.845,0.180]
1/1 [=====] - 0s 80ms/step
>3970, dr[0.282,0.530], df[0.162,0.172], g[2.149,0.122]
1/1 [=====] - 0s 87ms/step
>3971, dr[0.213,0.231], df[0.135,0.160], g[2.257,0.139]
1/1 [=====] - 0s 71ms/step
>3972, dr[0.190,0.492], df[0.189,0.106], g[2.671,0.159]
1/1 [=====] - 0s 76ms/step
>3973, dr[0.327,1.105], df[0.344,0.101], g[2.112,0.062]
1/1 [=====] - 0s 78ms/step
>3974, dr[0.289,0.593], df[0.396,0.093], g[2.171,0.129]
1/1 [=====] - 0s 69ms/step
>3975, dr[0.231,0.542], df[0.402,0.113], g[1.448,0.122]
1/1 [=====] - 0s 80ms/step
>3976, dr[0.229,0.464], df[0.386,0.126], g[2.160,0.074]
1/1 [=====] - 0s 73ms/step
>3977, dr[0.201,0.470], df[0.283,0.047], g[1.833,0.121]
1/1 [=====] - 0s 75ms/step
>3978, dr[0.275,0.508], df[0.213,0.040], g[2.420,0.105]
1/1 [=====] - 0s 80ms/step
>3979, dr[0.220,0.684], df[0.114,0.097], g[2.340,0.054]
1/1 [=====] - 0s 91ms/step
>3980, dr[0.449,0.670], df[0.122,0.150], g[2.509,0.096]
1/1 [=====] - 0s 79ms/step
>3981, dr[0.461,0.310], df[0.288,0.135], g[1.740,0.148]
1/1 [=====] - 0s 72ms/step
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>3982, dr[0.250,0.616], df[0.215,0.072], g[1.206,0.091]
1/1 [=====] - 0s 88ms/step
>3983, dr[0.121,0.733], df[0.401,0.086], g[1.105,0.106]
1/1 [=====] - 0s 73ms/step
>3984, dr[0.190,0.449], df[0.310,0.057], g[0.818,0.122]
1/1 [=====] - 0s 76ms/step
>3985, dr[0.131,0.587], df[0.359,0.052], g[1.589,0.055]
1/1 [=====] - 0s 75ms/step
>3986, dr[0.223,0.828], df[0.438,0.114], g[1.261,0.084]
1/1 [=====] - 0s 69ms/step
>3987, dr[0.242,0.655], df[0.294,0.082], g[1.482,0.068]
1/1 [=====] - 0s 76ms/step
>3988, dr[0.327,0.487], df[0.123,0.096], g[1.677,0.136]
1/1 [=====] - 0s 71ms/step
>3989, dr[0.388,0.521], df[0.119,0.052], g[1.808,0.069]
1/1 [=====] - 0s 76ms/step
>3990, dr[0.217,0.505], df[0.172,0.111], g[1.424,0.066]
1/1 [=====] - 0s 71ms/step
>3991, dr[0.180,0.769], df[0.133,0.095], g[0.999,0.196]
1/1 [=====] - 0s 72ms/step
>3992, dr[0.199,0.523], df[0.381,0.059], g[1.160,0.068]
1/1 [=====] - 0s 70ms/step
>3993, dr[0.137,0.392], df[0.259,0.093], g[0.909,0.085]
1/1 [=====] - 0s 75ms/step
>3994, dr[0.215,0.271], df[0.202,0.087], g[1.024,0.155]
1/1 [=====] - 0s 77ms/step
>3995, dr[0.113,0.510], df[0.261,0.086], g[1.120,0.157]
1/1 [=====] - 0s 70ms/step
>3996, dr[0.236,0.693], df[0.255,0.205], g[1.597,0.206]
1/1 [=====] - 0s 81ms/step
>3997, dr[0.213,0.841], df[0.093,0.052], g[1.057,0.195]
1/1 [=====] - 0s 72ms/step
>3998, dr[0.152,0.686], df[0.114,0.060], g[1.040,0.149]
1/1 [=====] - 0s 83ms/step
>3999, dr[0.214,0.559], df[0.068,0.046], g[1.123,0.072]
1/1 [=====] - 0s 70ms/step
>4000, dr[0.158,0.750], df[0.542,0.237], g[1.091,0.098]
1/1 [=====] - 0s 77ms/step
>4001, dr[0.070,0.362], df[0.110,0.093], g[1.429,0.210]
1/1 [=====] - 0s 74ms/step
>4002, dr[0.134,0.473], df[0.170,0.108], g[1.155,0.159]
1/1 [=====] - 0s 72ms/step
>4003, dr[0.196,0.734], df[0.205,0.107], g[1.044,0.207]
1/1 [=====] - 0s 79ms/step
>4004, dr[0.142,0.380], df[0.176,0.045], g[1.312,0.094]
1/1 [=====] - 0s 69ms/step
>4005, dr[0.224,0.451], df[0.352,0.135], g[1.264,0.130]
1/1 [=====] - 0s 76ms/step
>4006, dr[0.360,0.217], df[0.157,0.083], g[1.089,0.198]
1/1 [=====] - 0s 72ms/step
>4007, dr[0.339,0.901], df[0.228,0.094], g[0.883,0.074]
1/1 [=====] - 0s 73ms/step
>4008, dr[0.213,0.895], df[0.342,0.062], g[1.212,0.163]
1/1 [=====] - 0s 70ms/step
>4009, dr[0.208,0.459], df[0.105,0.036], g[0.962,0.119]
1/1 [=====] - 0s 72ms/step
>4010, dr[0.305,0.858], df[0.134,0.046], g[0.999,0.151]
1/1 [=====] - 0s 83ms/step
>4011, dr[0.115,0.297], df[0.607,0.087], g[1.030,0.215]
1/1 [=====] - 0s 89ms/step
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>4012, dr[0.346,0.888], df[0.235,0.080], g[1.271,0.118]
1/1 [=====] - 0s 79ms/step
>4013, dr[0.412,0.826], df[0.219,0.068], g[1.419,0.077]
1/1 [=====] - 0s 112ms/step
>4014, dr[0.495,0.428], df[0.292,0.055], g[1.180,0.142]
1/1 [=====] - 0s 84ms/step
>4015, dr[0.523,0.561], df[0.243,0.112], g[0.982,0.174]
1/1 [=====] - 0s 83ms/step
>4016, dr[0.272,0.464], df[0.554,0.152], g[0.671,0.143]
1/1 [=====] - 0s 72ms/step
>4017, dr[0.319,0.641], df[0.325,0.074], g[0.647,0.169]
1/1 [=====] - 0s 71ms/step
>4018, dr[0.237,0.398], df[0.352,0.089], g[1.182,0.169]
1/1 [=====] - 0s 70ms/step
>4019, dr[0.410,0.647], df[0.158,0.061], g[1.035,0.124]
1/1 [=====] - 0s 80ms/step
>4020, dr[0.319,0.673], df[0.224,0.087], g[1.117,0.126]
1/1 [=====] - 0s 77ms/step
>4021, dr[0.510,0.855], df[0.169,0.123], g[0.687,0.180]
1/1 [=====] - 0s 71ms/step
>4022, dr[0.439,0.512], df[0.266,0.084], g[0.665,0.158]
1/1 [=====] - 0s 77ms/step
>4023, dr[0.107,0.544], df[0.491,0.121], g[0.515,0.160]
1/1 [=====] - 0s 73ms/step
>4024, dr[0.103,0.656], df[0.484,0.117], g[0.803,0.118]
1/1 [=====] - 0s 73ms/step
>4025, dr[0.177,0.272], df[0.185,0.098], g[0.998,0.255]
1/1 [=====] - 0s 71ms/step
>4026, dr[0.197,0.669], df[0.143,0.069], g[1.348,0.153]
1/1 [=====] - 0s 71ms/step
>4027, dr[0.376,0.920], df[0.127,0.054], g[1.217,0.140]
1/1 [=====] - 0s 73ms/step
>4028, dr[0.301,0.557], df[0.132,0.062], g[1.156,0.147]
1/1 [=====] - 0s 72ms/step
>4029, dr[0.314,0.488], df[0.084,0.043], g[0.844,0.148]
1/1 [=====] - 0s 76ms/step
>4030, dr[0.254,0.403], df[0.366,0.062], g[0.650,0.346]
1/1 [=====] - 0s 87ms/step
>4031, dr[0.108,0.949], df[0.260,0.065], g[0.974,0.224]
1/1 [=====] - 0s 78ms/step
>4032, dr[0.185,0.772], df[0.426,0.066], g[0.677,0.229]
1/1 [=====] - 0s 72ms/step
>4033, dr[0.131,0.697], df[0.241,0.052], g[0.839,0.146]
1/1 [=====] - 0s 69ms/step
>4034, dr[0.207,0.330], df[0.081,0.075], g[0.835,0.188]
1/1 [=====] - 0s 72ms/step
>4035, dr[0.298,0.718], df[0.247,0.057], g[1.055,0.301]
1/1 [=====] - 0s 74ms/step
>4036, dr[0.304,0.334], df[0.392,0.081], g[0.880,0.291]
1/1 [=====] - 0s 84ms/step
>4037, dr[0.395,0.471], df[0.246,0.160], g[1.163,0.209]
1/1 [=====] - 0s 70ms/step
>4038, dr[0.785,0.783], df[0.393,0.110], g[0.741,0.151]
1/1 [=====] - 0s 80ms/step
>4039, dr[0.230,0.438], df[0.298,0.117], g[0.810,0.237]
1/1 [=====] - 0s 72ms/step
>4040, dr[0.085,0.357], df[0.421,0.141], g[0.896,0.185]
1/1 [=====] - 0s 74ms/step
>4041, dr[0.235,0.469], df[0.323,0.125], g[1.309,0.089]
1/1 [=====] - 0s 72ms/step
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>4042, dr[0.357,0.592], df[0.447,0.093], g[1.323,0.133]
1/1 [=====] - 0s 70ms/step
>4043, dr[0.148,0.520], df[0.149,0.124], g[1.607,0.138]
1/1 [=====] - 0s 71ms/step
>4044, dr[0.353,0.603], df[0.267,0.109], g[1.555,0.148]
1/1 [=====] - 0s 70ms/step
>4045, dr[0.453,0.472], df[0.086,0.105], g[1.148,0.220]
1/1 [=====] - 0s 80ms/step
>4046, dr[0.231,0.597], df[0.131,0.107], g[1.652,0.134]
1/1 [=====] - 0s 70ms/step
>4047, dr[0.423,0.625], df[0.291,0.227], g[1.451,0.226]
1/1 [=====] - 0s 77ms/step
>4048, dr[0.246,0.462], df[0.386,0.075], g[1.404,0.129]
1/1 [=====] - 0s 72ms/step
>4049, dr[0.173,0.356], df[0.434,0.096], g[1.397,0.221]
1/1 [=====] - 0s 73ms/step
>4050, dr[0.102,0.370], df[0.310,0.074], g[1.439,0.168]
1/1 [=====] - 0s 70ms/step
>4051, dr[0.358,0.762], df[0.198,0.197], g[2.130,0.150]
1/1 [=====] - 0s 71ms/step
>4052, dr[0.186,0.521], df[0.119,0.059], g[1.636,0.104]
1/1 [=====] - 0s 70ms/step
>4053, dr[0.255,0.453], df[0.190,0.082], g[2.023,0.174]
1/1 [=====] - 0s 71ms/step
>4054, dr[0.336,0.691], df[0.159,0.070], g[1.863,0.154]
1/1 [=====] - 0s 81ms/step
>4055, dr[0.279,0.320], df[0.496,0.135], g[1.761,0.191]
1/1 [=====] - 0s 77ms/step
>4056, dr[0.199,0.898], df[0.180,0.152], g[1.715,0.313]
1/1 [=====] - 0s 77ms/step
>4057, dr[0.137,0.586], df[0.161,0.068], g[1.807,0.185]
1/1 [=====] - 0s 71ms/step
>4058, dr[0.169,0.555], df[0.316,0.067], g[2.198,0.168]
1/1 [=====] - 0s 73ms/step
>4059, dr[0.213,0.784], df[0.311,0.084], g[2.661,0.277]
1/1 [=====] - 0s 71ms/step
>4060, dr[0.256,0.353], df[0.127,0.055], g[2.281,0.188]
1/1 [=====] - 0s 77ms/step
>4061, dr[0.634,0.618], df[0.148,0.061], g[1.908,0.309]
1/1 [=====] - 0s 83ms/step
>4062, dr[0.191,0.650], df[0.123,0.110], g[1.610,0.140]
1/1 [=====] - 0s 71ms/step
>4063, dr[0.127,0.588], df[0.209,0.071], g[1.590,0.142]
1/1 [=====] - 0s 81ms/step
>4064, dr[0.115,0.631], df[0.497,0.113], g[1.127,0.143]
1/1 [=====] - 0s 73ms/step
>4065, dr[0.080,0.394], df[0.210,0.089], g[1.831,0.224]
1/1 [=====] - 0s 79ms/step
>4066, dr[0.268,0.561], df[0.523,0.119], g[1.889,0.200]
1/1 [=====] - 0s 75ms/step
>4067, dr[0.278,0.413], df[0.173,0.070], g[1.796,0.113]
1/1 [=====] - 0s 70ms/step
>4068, dr[0.272,0.482], df[0.266,0.128], g[2.440,0.172]
1/1 [=====] - 0s 72ms/step
>4069, dr[0.416,0.781], df[0.144,0.131], g[2.155,0.229]
1/1 [=====] - 0s 74ms/step
>4070, dr[0.511,0.786], df[0.315,0.181], g[1.710,0.199]
1/1 [=====] - 0s 79ms/step
>4071, dr[0.531,0.453], df[0.249,0.109], g[1.167,0.087]
1/1 [=====] - 0s 72ms/step
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>4072, dr[0.140,0.636], df[0.665,0.134], g[1.584,0.149]
1/1 [=====] - 0s 78ms/step
>4073, dr[0.180,0.568], df[0.579,0.260], g[1.469,0.202]
1/1 [=====] - 0s 76ms/step
>4074, dr[0.159,0.422], df[0.327,0.127], g[2.160,0.172]
1/1 [=====] - 0s 74ms/step
>4075, dr[0.639,0.782], df[0.126,0.300], g[1.647,0.219]
1/1 [=====] - 0s 75ms/step
>4076, dr[0.426,0.477], df[0.334,0.220], g[2.752,0.145]
1/1 [=====] - 0s 95ms/step
>4077, dr[0.202,0.390], df[0.063,0.097], g[2.556,0.132]
1/1 [=====] - 0s 76ms/step
>4078, dr[0.536,0.723], df[0.229,0.066], g[1.749,0.118]
1/1 [=====] - 0s 86ms/step
>4079, dr[0.270,0.298], df[0.269,0.116], g[1.688,0.272]
1/1 [=====] - 0s 84ms/step
>4080, dr[0.253,0.560], df[0.343,0.128], g[1.284,0.135]
1/1 [=====] - 0s 92ms/step
>4081, dr[0.086,0.526], df[0.143,0.096], g[1.025,0.292]
1/1 [=====] - 0s 91ms/step
>4082, dr[0.157,0.772], df[0.291,0.220], g[1.630,0.136]
1/1 [=====] - 0s 94ms/step
>4083, dr[0.099,0.465], df[0.286,0.077], g[1.285,0.173]
1/1 [=====] - 0s 79ms/step
>4084, dr[0.194,0.444], df[0.586,0.102], g[1.872,0.129]
1/1 [=====] - 0s 76ms/step
>4085, dr[0.190,0.386], df[0.178,0.050], g[2.015,0.300]
1/1 [=====] - 0s 105ms/step
>4086, dr[0.515,0.784], df[0.221,0.084], g[2.451,0.140]
1/1 [=====] - 0s 70ms/step
>4087, dr[0.514,0.509], df[0.224,0.318], g[2.189,0.118]
1/1 [=====] - 0s 71ms/step
>4088, dr[0.405,0.514], df[0.266,0.233], g[1.791,0.313]
1/1 [=====] - 0s 71ms/step
>4089, dr[0.226,0.839], df[0.431,0.155], g[1.470,0.195]
1/1 [=====] - 0s 79ms/step
>4090, dr[0.314,0.650], df[0.309,0.127], g[2.105,0.277]
1/1 [=====] - 0s 77ms/step
>4091, dr[0.251,0.722], df[0.192,0.145], g[1.735,0.152]
1/1 [=====] - 0s 70ms/step
>4092, dr[0.101,0.599], df[0.409,0.184], g[2.063,0.116]
1/1 [=====] - 0s 79ms/step
>4093, dr[0.285,0.597], df[0.122,0.059], g[2.068,0.128]
1/1 [=====] - 0s 79ms/step
>4094, dr[0.301,0.383], df[0.254,0.170], g[2.167,0.272]
1/1 [=====] - 0s 77ms/step
>4095, dr[0.297,0.282], df[0.118,0.139], g[2.398,0.253]
1/1 [=====] - 0s 70ms/step
>4096, dr[0.208,0.445], df[0.325,0.097], g[1.959,0.156]
1/1 [=====] - 0s 77ms/step
>4097, dr[0.320,0.522], df[0.341,0.174], g[2.345,0.255]
1/1 [=====] - 0s 74ms/step
>4098, dr[0.276,0.495], df[0.478,0.115], g[2.314,0.193]
1/1 [=====] - 0s 69ms/step
>4099, dr[0.414,0.534], df[0.315,0.202], g[2.017,0.125]
1/1 [=====] - 0s 76ms/step
>4100, dr[0.113,0.370], df[0.441,0.050], g[2.285,0.275]
1/1 [=====] - 0s 70ms/step
>4101, dr[0.382,0.873], df[0.125,0.086], g[2.062,0.182]
1/1 [=====] - 0s 73ms/step
```

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>4102, dr[0.401,0.631], df[0.261,0.186], g[1.714,0.200]
1/1 [=====] - 0s 73ms/step
>4103, dr[0.185,0.505], df[0.235,0.083], g[1.945,0.194]
1/1 [=====] - 0s 74ms/step
>4104, dr[0.110,0.346], df[0.549,0.173], g[2.117,0.190]
1/1 [=====] - 0s 75ms/step
>4105, dr[0.597,0.786], df[0.146,0.094], g[2.284,0.214]
1/1 [=====] - 0s 74ms/step
>4106, dr[0.258,0.608], df[0.427,0.061], g[2.441,0.163]
1/1 [=====] - 0s 81ms/step
>4107, dr[0.457,0.537], df[0.217,0.113], g[1.962,0.197]
1/1 [=====] - 0s 85ms/step
>4108, dr[0.209,0.564], df[0.301,0.146], g[1.588,0.087]
1/1 [=====] - 0s 77ms/step
>4109, dr[0.404,0.493], df[0.373,0.151], g[1.278,0.217]
1/1 [=====] - 0s 77ms/step
>4110, dr[0.131,0.681], df[0.665,0.120], g[1.638,0.151]
1/1 [=====] - 0s 74ms/step
>4111, dr[0.438,0.844], df[0.516,0.245], g[1.993,0.183]
1/1 [=====] - 0s 81ms/step
>4112, dr[0.336,0.429], df[0.214,0.269], g[2.362,0.161]
1/1 [=====] - 0s 76ms/step
>4113, dr[0.370,0.989], df[0.232,0.062], g[1.810,0.126]
1/1 [=====] - 0s 77ms/step
>4114, dr[0.443,1.018], df[0.311,0.120], g[2.169,0.192]
1/1 [=====] - 0s 75ms/step
>4115, dr[0.313,0.718], df[0.316,0.066], g[2.251,0.129]
1/1 [=====] - 0s 78ms/step
>4116, dr[0.301,0.561], df[0.224,0.121], g[1.795,0.275]
1/1 [=====] - 0s 79ms/step
>4117, dr[0.329,0.562], df[0.215,0.090], g[1.839,0.139]
1/1 [=====] - 0s 74ms/step
>4118, dr[0.256,0.751], df[0.359,0.129], g[1.614,0.341]
1/1 [=====] - 0s 79ms/step
>4119, dr[0.262,0.615], df[0.453,0.108], g[1.578,0.131]
1/1 [=====] - 0s 74ms/step
>4120, dr[0.321,0.447], df[0.474,0.110], g[1.875,0.088]
1/1 [=====] - 0s 78ms/step
>4121, dr[0.305,0.513], df[0.429,0.081], g[1.806,0.129]
1/1 [=====] - 0s 80ms/step
>4122, dr[0.404,0.688], df[0.195,0.058], g[2.325,0.185]
1/1 [=====] - 0s 74ms/step
>4123, dr[0.278,0.631], df[0.218,0.054], g[2.484,0.094]
1/1 [=====] - 0s 80ms/step
>4124, dr[0.556,0.474], df[0.205,0.139], g[2.325,0.207]
1/1 [=====] - 0s 78ms/step
>4125, dr[0.454,0.364], df[0.191,0.051], g[2.466,0.106]
1/1 [=====] - 0s 75ms/step
>4126, dr[0.200,0.330], df[0.425,0.099], g[1.759,0.264]
1/1 [=====] - 0s 75ms/step
>4127, dr[0.151,0.369], df[0.271,0.140], g[1.635,0.101]
1/1 [=====] - 0s 75ms/step
>4128, dr[0.188,0.588], df[0.203,0.144], g[1.609,0.107]
1/1 [=====] - 0s 82ms/step
>4129, dr[0.225,0.729], df[0.497,0.206], g[1.518,0.144]
1/1 [=====] - 0s 83ms/step
>4130, dr[0.113,0.448], df[0.379,0.143], g[2.327,0.181]
1/1 [=====] - 0s 80ms/step
>4131, dr[0.216,0.446], df[0.335,0.117], g[2.857,0.171]
1/1 [=====] - 0s 74ms/step
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>4132, dr[0.464,0.906], df[0.068,0.222], g[3.426,0.137]
1/1 [=====] - 0s 81ms/step
>4133, dr[0.443,0.599], df[0.181,0.086], g[2.864,0.150]
1/1 [=====] - 0s 81ms/step
>4134, dr[0.325,0.705], df[0.419,0.123], g[2.591,0.257]
1/1 [=====] - 0s 75ms/step
>4135, dr[0.687,0.741], df[0.210,0.065], g[1.787,0.163]
1/1 [=====] - 0s 83ms/step
>4136, dr[0.167,0.445], df[0.481,0.219], g[1.835,0.128]
1/1 [=====] - 0s 74ms/step
>4137, dr[0.168,0.427], df[0.347,0.147], g[2.045,0.140]
1/1 [=====] - 0s 82ms/step
>4138, dr[0.129,0.505], df[0.480,0.222], g[2.224,0.139]
1/1 [=====] - 0s 72ms/step
>4139, dr[0.217,0.541], df[0.214,0.062], g[2.555,0.077]
1/1 [=====] - 0s 83ms/step
>4140, dr[0.441,0.708], df[0.735,0.278], g[2.598,0.086]
1/1 [=====] - 0s 90ms/step
>4141, dr[0.529,0.529], df[0.137,0.155], g[2.830,0.074]
1/1 [=====] - 0s 90ms/step
>4142, dr[0.471,0.690], df[0.466,0.112], g[2.195,0.079]
1/1 [=====] - 0s 132ms/step
>4143, dr[0.392,0.169], df[0.421,0.094], g[2.337,0.214]
1/1 [=====] - 0s 102ms/step
>4144, dr[0.119,0.284], df[0.387,0.130], g[2.098,0.179]
1/1 [=====] - 0s 104ms/step
>4145, dr[0.232,0.473], df[0.282,0.106], g[3.151,0.079]
1/1 [=====] - 0s 265ms/step
>4146, dr[0.548,0.474], df[0.245,0.090], g[2.368,0.141]
1/1 [=====] - 0s 107ms/step
>4147, dr[0.245,0.577], df[0.062,0.086], g[2.681,0.153]
1/1 [=====] - 0s 109ms/step
>4148, dr[0.180,0.860], df[0.316,0.101], g[2.278,0.089]
1/1 [=====] - 0s 90ms/step
>4149, dr[0.196,0.904], df[0.330,0.076], g[2.304,0.063]
1/1 [=====] - 0s 78ms/step
>4150, dr[0.275,0.485], df[0.452,0.164], g[2.644,0.069]
1/1 [=====] - 0s 83ms/step
>4151, dr[0.202,0.414], df[0.108,0.190], g[2.907,0.166]
1/1 [=====] - 0s 90ms/step
>4152, dr[0.407,0.953], df[0.349,0.047], g[2.543,0.076]
1/1 [=====] - 0s 156ms/step
>4153, dr[0.327,0.404], df[0.197,0.132], g[2.676,0.122]
1/1 [=====] - 0s 85ms/step
>4154, dr[0.484,0.553], df[0.121,0.088], g[2.611,0.080]
1/1 [=====] - 0s 75ms/step
>4155, dr[0.294,0.505], df[0.277,0.113], g[2.494,0.077]
1/1 [=====] - 0s 76ms/step
>4156, dr[0.154,0.755], df[0.403,0.051], g[2.193,0.071]
1/1 [=====] - 0s 80ms/step
>4157, dr[0.203,0.540], df[0.333,0.242], g[2.158,0.108]
1/1 [=====] - 0s 74ms/step
>4158, dr[0.081,0.406], df[0.312,0.045], g[1.905,0.103]
1/1 [=====] - 0s 80ms/step
>4159, dr[0.417,0.966], df[0.225,0.053], g[1.468,0.152]
1/1 [=====] - 0s 78ms/step
>4160, dr[0.221,0.402], df[0.176,0.182], g[1.960,0.133]
1/1 [=====] - 0s 73ms/step
>4161, dr[0.248,0.711], df[0.211,0.166], g[2.570,0.088]
1/1 [=====] - 0s 75ms/step
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>4162, dr[0.390,0.255], df[0.272,0.078], g[1.474,0.113]
1/1 [=====] - 0s 76ms/step
>4163, dr[0.177,0.544], df[0.255,0.106], g[1.454,0.166]
1/1 [=====] - 0s 79ms/step
>4164, dr[0.107,0.498], df[0.275,0.191], g[1.252,0.171]
1/1 [=====] - 0s 75ms/step
>4165, dr[0.174,1.052], df[0.159,0.065], g[1.800,0.138]
1/1 [=====] - 0s 84ms/step
>4166, dr[0.152,0.770], df[0.230,0.197], g[1.792,0.104]
1/1 [=====] - 0s 78ms/step
>4167, dr[0.380,1.378], df[0.335,0.154], g[1.708,0.144]
1/1 [=====] - 0s 75ms/step
>4168, dr[0.498,0.532], df[0.378,0.101], g[1.703,0.103]
1/1 [=====] - 0s 77ms/step
>4169, dr[0.163,0.449], df[0.266,0.224], g[1.728,0.094]
1/1 [=====] - 0s 79ms/step
>4170, dr[0.232,0.585], df[0.218,0.071], g[1.605,0.090]
1/1 [=====] - 0s 74ms/step
>4171, dr[0.253,0.663], df[0.143,0.105], g[2.107,0.056]
1/1 [=====] - 0s 78ms/step
>4172, dr[0.451,0.735], df[0.219,0.052], g[1.214,0.088]
1/1 [=====] - 0s 76ms/step
>4173, dr[0.246,0.397], df[0.153,0.173], g[1.333,0.203]
1/1 [=====] - 0s 89ms/step
>4174, dr[0.120,0.536], df[0.143,0.044], g[0.604,0.109]
1/1 [=====] - 0s 75ms/step
>4175, dr[0.081,0.705], df[0.378,0.053], g[0.909,0.155]
1/1 [=====] - 0s 78ms/step
>4176, dr[0.078,0.463], df[0.375,0.144], g[1.515,0.096]
1/1 [=====] - 0s 82ms/step
>4177, dr[0.213,0.355], df[0.092,0.156], g[1.053,0.135]
1/1 [=====] - 0s 78ms/step
>4178, dr[0.256,0.415], df[0.106,0.209], g[1.951,0.125]
1/1 [=====] - 0s 109ms/step
>4179, dr[0.148,0.644], df[0.040,0.137], g[1.496,0.154]
1/1 [=====] - 0s 89ms/step
>4180, dr[0.480,0.736], df[0.092,0.046], g[1.474,0.074]
1/1 [=====] - 0s 85ms/step
>4181, dr[0.259,0.465], df[0.232,0.159], g[0.761,0.200]
1/1 [=====] - 0s 96ms/step
>4182, dr[0.085,0.683], df[0.150,0.091], g[0.981,0.135]
1/1 [=====] - 0s 88ms/step
>4183, dr[0.133,0.359], df[0.163,0.191], g[0.503,0.042]
1/1 [=====] - 0s 93ms/step
>4184, dr[0.074,0.699], df[0.261,0.081], g[0.527,0.168]
1/1 [=====] - 0s 91ms/step
>4185, dr[0.033,0.771], df[0.389,0.154], g[0.624,0.116]
1/1 [=====] - 0s 84ms/step
>4186, dr[0.073,0.494], df[0.047,0.108], g[0.708,0.144]
1/1 [=====] - 0s 105ms/step
>4187, dr[0.192,0.380], df[0.081,0.099], g[0.964,0.176]
1/1 [=====] - 0s 83ms/step
>4188, dr[0.197,0.349], df[0.129,0.127], g[0.835,0.073]
1/1 [=====] - 0s 77ms/step
>4189, dr[0.139,0.550], df[0.093,0.089], g[0.782,0.158]
1/1 [=====] - 0s 71ms/step
>4190, dr[0.185,0.888], df[0.084,0.048], g[0.542,0.172]
1/1 [=====] - 0s 69ms/step
>4191, dr[0.127,0.432], df[0.078,0.095], g[0.582,0.165]
1/1 [=====] - 0s 77ms/step
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>4192, dr[0.092,1.148], df[0.304,0.097], g[0.398,0.175]
1/1 [=====] - 0s 87ms/step
>4193, dr[0.174,0.355], df[0.351,0.057], g[0.510,0.106]
1/1 [=====] - 0s 73ms/step
>4194, dr[0.077,0.366], df[0.177,0.038], g[1.070,0.105]
1/1 [=====] - 0s 78ms/step
>4195, dr[0.176,0.623], df[0.076,0.037], g[0.606,0.148]
1/1 [=====] - 0s 117ms/step
>4196, dr[0.183,0.485], df[0.223,0.087], g[0.765,0.151]
1/1 [=====] - 0s 102ms/step
>4197, dr[0.214,0.721], df[0.199,0.045], g[0.851,0.116]
1/1 [=====] - 0s 78ms/step
>4198, dr[0.189,0.550], df[0.129,0.176], g[1.061,0.162]
1/1 [=====] - 0s 71ms/step
>4199, dr[0.440,0.296], df[0.062,0.047], g[1.035,0.138]
1/1 [=====] - 0s 83ms/step
>4200, dr[0.146,0.685], df[0.216,0.048], g[0.663,0.122]
1/1 [=====] - 0s 73ms/step
>4201, dr[0.191,0.443], df[0.076,0.047], g[0.632,0.128]
1/1 [=====] - 0s 80ms/step
>4202, dr[0.049,0.763], df[0.258,0.161], g[0.350,0.247]
1/1 [=====] - 0s 71ms/step
>4203, dr[0.044,0.504], df[0.382,0.112], g[0.608,0.079]
1/1 [=====] - 0s 80ms/step
>4204, dr[0.229,0.933], df[0.201,0.089], g[0.620,0.154]
1/1 [=====] - 0s 72ms/step
>4205, dr[0.307,0.595], df[0.231,0.127], g[0.722,0.190]
1/1 [=====] - 0s 72ms/step
>4206, dr[0.158,0.771], df[0.170,0.114], g[0.764,0.136]
1/1 [=====] - 0s 73ms/step
>4207, dr[0.126,0.395], df[0.300,0.262], g[1.063,0.084]
1/1 [=====] - 0s 71ms/step
>4208, dr[0.300,0.401], df[0.237,0.083], g[1.139,0.122]
1/1 [=====] - 0s 85ms/step
>4209, dr[0.451,0.530], df[0.192,0.114], g[0.839,0.153]
1/1 [=====] - 0s 134ms/step
>4210, dr[0.251,0.667], df[0.266,0.088], g[0.580,0.151]
1/1 [=====] - 0s 76ms/step
>4211, dr[0.160,0.746], df[0.220,0.130], g[0.578,0.096]
1/1 [=====] - 0s 81ms/step
>4212, dr[0.269,0.233], df[0.152,0.124], g[0.682,0.140]
1/1 [=====] - 0s 72ms/step
>4213, dr[0.142,0.453], df[0.507,0.196], g[0.669,0.129]
1/1 [=====] - 0s 81ms/step
>4214, dr[0.168,0.842], df[0.269,0.096], g[0.608,0.143]
1/1 [=====] - 0s 74ms/step
>4215, dr[0.121,0.716], df[0.217,0.061], g[0.909,0.129]
1/1 [=====] - 0s 77ms/step
>4216, dr[0.249,0.399], df[0.118,0.087], g[1.212,0.113]
1/1 [=====] - 0s 79ms/step
>4217, dr[0.318,0.418], df[0.110,0.034], g[1.011,0.075]
1/1 [=====] - 0s 73ms/step
>4218, dr[0.195,0.820], df[0.197,0.075], g[1.087,0.088]
1/1 [=====] - 0s 80ms/step
>4219, dr[0.137,0.331], df[0.388,0.072], g[0.954,0.056]
1/1 [=====] - 0s 75ms/step
>4220, dr[0.170,0.633], df[0.289,0.069], g[0.704,0.119]
1/1 [=====] - 0s 72ms/step
>4221, dr[0.307,0.433], df[0.107,0.029], g[1.082,0.180]
1/1 [=====] - 0s 88ms/step
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>4222, dr[0.249,0.524], df[0.216,0.198], g[0.965,0.056]
1/1 [=====] - 0s 86ms/step
>4223, dr[0.224,0.419], df[0.258,0.041], g[1.007,0.131]
1/1 [=====] - 0s 80ms/step
>4224, dr[0.246,0.617], df[0.185,0.062], g[0.879,0.111]
1/1 [=====] - 0s 109ms/step
>4225, dr[0.406,0.643], df[0.361,0.063], g[1.211,0.051]
1/1 [=====] - 0s 71ms/step
>4226, dr[0.414,0.657], df[0.245,0.124], g[0.768,0.128]
1/1 [=====] - 0s 72ms/step
>4227, dr[0.237,0.350], df[0.296,0.062], g[0.832,0.068]
1/1 [=====] - 0s 85ms/step
>4228, dr[0.271,0.767], df[0.208,0.035], g[0.658,0.158]
1/1 [=====] - 0s 85ms/step
>4229, dr[0.135,0.344], df[0.314,0.190], g[0.895,0.158]
1/1 [=====] - 0s 118ms/step
>4230, dr[0.162,0.728], df[0.328,0.029], g[0.956,0.116]
1/1 [=====] - 0s 79ms/step
>4231, dr[0.762,0.711], df[0.410,0.039], g[0.876,0.035]
1/1 [=====] - 0s 96ms/step
>4232, dr[0.540,0.509], df[0.422,0.071], g[1.230,0.109]
1/1 [=====] - 0s 74ms/step
>4233, dr[0.187,0.856], df[0.471,0.253], g[0.992,0.046]
1/1 [=====] - 0s 94ms/step
>4234, dr[0.199,0.572], df[0.329,0.064], g[0.695,0.148]
1/1 [=====] - 0s 80ms/step
>4235, dr[0.231,0.600], df[0.270,0.044], g[1.122,0.125]
1/1 [=====] - 0s 93ms/step
>4236, dr[0.244,0.701], df[0.195,0.090], g[1.477,0.114]
1/1 [=====] - 0s 112ms/step
>4237, dr[0.322,0.569], df[0.247,0.094], g[1.386,0.084]
1/1 [=====] - 0s 100ms/step
>4238, dr[0.467,0.546], df[0.217,0.069], g[1.699,0.088]
1/1 [=====] - 0s 86ms/step
>4239, dr[0.606,0.871], df[0.196,0.050], g[1.913,0.053]
1/1 [=====] - 0s 85ms/step
>4240, dr[0.488,0.460], df[0.507,0.078], g[0.957,0.111]
1/1 [=====] - 0s 163ms/step
>4241, dr[0.243,0.883], df[0.272,0.054], g[1.091,0.110]
1/1 [=====] - 0s 154ms/step
>4242, dr[0.213,0.947], df[0.383,0.074], g[0.905,0.191]
1/1 [=====] - 0s 248ms/step
>4243, dr[0.227,1.009], df[0.497,0.089], g[1.120,0.125]
1/1 [=====] - 0s 116ms/step
>4244, dr[0.216,0.895], df[0.517,0.207], g[1.299,0.169]
1/1 [=====] - 0s 96ms/step
>4245, dr[0.115,0.404], df[0.359,0.131], g[1.786,0.069]
1/1 [=====] - 0s 100ms/step
>4246, dr[0.363,0.832], df[0.138,0.103], g[1.853,0.161]
1/1 [=====] - 0s 90ms/step
>4247, dr[0.896,0.597], df[0.130,0.072], g[1.749,0.149]
1/1 [=====] - 0s 99ms/step
>4248, dr[0.459,0.449], df[0.281,0.123], g[1.399,0.075]
1/1 [=====] - 0s 71ms/step
>4249, dr[0.212,0.729], df[0.435,0.049], g[1.007,0.254]
1/1 [=====] - 0s 91ms/step
>4250, dr[0.116,0.567], df[0.442,0.097], g[1.010,0.176]
1/1 [=====] - 0s 88ms/step
>4251, dr[0.082,0.371], df[0.318,0.113], g[1.387,0.050]
1/1 [=====] - 0s 93ms/step
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>4252, dr[0.287,0.543], df[0.353,0.041], g[1.799,0.061]
1/1 [=====] - 0s 83ms/step
>4253, dr[0.232,0.485], df[0.215,0.082], g[1.801,0.135]
1/1 [=====] - 0s 85ms/step
>4254, dr[0.400,0.432], df[0.139,0.196], g[2.508,0.199]
1/1 [=====] - 0s 87ms/step
>4255, dr[0.383,0.649], df[0.068,0.062], g[2.106,0.071]
1/1 [=====] - 0s 88ms/step
>4256, dr[0.314,0.535], df[0.200,0.092], g[1.949,0.135]
1/1 [=====] - 0s 92ms/step
>4257, dr[0.251,0.488], df[0.208,0.110], g[1.337,0.115]
1/1 [=====] - 0s 86ms/step
>4258, dr[0.201,0.563], df[0.446,0.095], g[1.665,0.097]
1/1 [=====] - 0s 109ms/step
>4259, dr[0.262,1.243], df[0.297,0.121], g[1.492,0.118]
1/1 [=====] - 0s 191ms/step
>4260, dr[0.233,0.695], df[0.424,0.047], g[1.389,0.103]
1/1 [=====] - 0s 126ms/step
>4261, dr[0.154,0.285], df[0.186,0.128], g[2.305,0.137]
1/1 [=====] - 0s 128ms/step
>4262, dr[0.285,0.641], df[0.272,0.044], g[2.444,0.107]
1/1 [=====] - 0s 118ms/step
>4263, dr[0.399,0.664], df[0.218,0.220], g[2.523,0.086]
1/1 [=====] - 0s 89ms/step
>4264, dr[0.531,0.356], df[0.201,0.129], g[1.711,0.126]
1/1 [=====] - 0s 91ms/step
>4265, dr[0.208,0.827], df[0.496,0.250], g[1.954,0.081]
1/1 [=====] - 0s 98ms/step
>4266, dr[0.193,0.844], df[0.219,0.128], g[1.912,0.157]
1/1 [=====] - 0s 72ms/step
>4267, dr[0.258,0.509], df[0.206,0.067], g[1.679,0.054]
1/1 [=====] - 0s 79ms/step
>4268, dr[0.250,0.456], df[0.208,0.039], g[2.362,0.075]
1/1 [=====] - 0s 90ms/step
>4269, dr[0.187,0.606], df[0.269,0.156], g[1.457,0.226]
1/1 [=====] - 0s 83ms/step
>4270, dr[0.094,0.626], df[0.591,0.041], g[2.216,0.100]
1/1 [=====] - 0s 90ms/step
>4271, dr[0.068,0.386], df[0.208,0.367], g[2.146,0.101]
1/1 [=====] - 0s 84ms/step
>4272, dr[0.779,0.777], df[0.131,0.078], g[2.574,0.113]
1/1 [=====] - 0s 76ms/step
>4273, dr[0.259,0.430], df[0.403,0.152], g[2.240,0.090]
1/1 [=====] - 0s 81ms/step
>4274, dr[0.146,0.967], df[0.230,0.128], g[2.373,0.207]
1/1 [=====] - 0s 76ms/step
>4275, dr[0.389,0.575], df[0.294,0.082], g[2.673,0.116]
1/1 [=====] - 0s 91ms/step
>4276, dr[0.202,0.589], df[0.260,0.073], g[2.769,0.113]
1/1 [=====] - 0s 85ms/step
>4277, dr[0.324,0.677], df[0.316,0.098], g[2.432,0.123]
1/1 [=====] - 0s 81ms/step
>4278, dr[0.315,0.454], df[0.323,0.122], g[2.667,0.134]
1/1 [=====] - 0s 78ms/step
>4279, dr[0.278,0.580], df[0.157,0.189], g[2.305,0.199]
1/1 [=====] - 0s 82ms/step
>4280, dr[0.259,0.384], df[0.327,0.140], g[2.394,0.190]
1/1 [=====] - 0s 76ms/step
>4281, dr[0.348,1.013], df[0.131,0.097], g[2.906,0.077]
1/1 [=====] - 0s 83ms/step
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>4282, dr[0.202,0.651], df[0.194,0.079], g[2.444,0.110]
1/1 [=====] - 0s 72ms/step
>4283, dr[0.267,0.438], df[0.328,0.071], g[2.134,0.274]
1/1 [=====] - 0s 78ms/step
>4284, dr[0.283,0.901], df[0.490,0.239], g[2.284,0.247]
1/1 [=====] - 0s 74ms/step
>4285, dr[0.512,0.703], df[0.284,0.107], g[1.970,0.143]
1/1 [=====] - 0s 71ms/step
>4286, dr[0.267,0.689], df[0.126,0.153], g[1.715,0.087]
1/1 [=====] - 0s 77ms/step
>4287, dr[0.755,0.589], df[0.408,0.087], g[1.282,0.109]
1/1 [=====] - 0s 71ms/step
>4288, dr[0.079,0.622], df[0.397,0.106], g[1.303,0.125]
1/1 [=====] - 0s 81ms/step
>4289, dr[0.158,0.647], df[0.683,0.103], g[1.648,0.098]
1/1 [=====] - 0s 72ms/step
>4290, dr[0.343,0.672], df[0.379,0.076], g[1.355,0.114]
1/1 [=====] - 0s 79ms/step
>4291, dr[0.179,0.727], df[0.347,0.196], g[1.759,0.159]
1/1 [=====] - 0s 77ms/step
>4292, dr[0.317,0.783], df[0.172,0.114], g[1.914,0.150]
1/1 [=====] - 0s 117ms/step
>4293, dr[0.361,0.794], df[0.109,0.141], g[1.711,0.219]
1/1 [=====] - 0s 89ms/step
>4294, dr[0.789,1.184], df[0.266,0.106], g[0.839,0.341]
1/1 [=====] - 0s 90ms/step
>4295, dr[0.263,0.611], df[0.676,0.137], g[1.403,0.158]
1/1 [=====] - 0s 90ms/step
>4296, dr[0.150,0.483], df[0.554,0.078], g[1.740,0.107]
1/1 [=====] - 0s 86ms/step
>4297, dr[0.441,0.558], df[0.516,0.382], g[1.418,0.283]
1/1 [=====] - 0s 88ms/step
>4298, dr[0.467,0.888], df[0.253,0.059], g[1.452,0.140]
1/1 [=====] - 0s 131ms/step
>4299, dr[0.260,0.703], df[0.152,0.225], g[1.786,0.182]
1/1 [=====] - 0s 99ms/step
>4300, dr[0.531,0.376], df[0.174,0.144], g[0.897,0.333]
1/1 [=====] - 0s 92ms/step
>4301, dr[0.407,0.691], df[0.143,0.084], g[0.989,0.195]
1/1 [=====] - 0s 111ms/step
>4302, dr[0.438,0.672], df[0.515,0.081], g[0.670,0.191]
1/1 [=====] - 0s 109ms/step
>4303, dr[0.198,0.584], df[0.577,0.113], g[0.598,0.113]
1/1 [=====] - 0s 85ms/step
>4304, dr[0.333,0.924], df[0.361,0.114], g[0.910,0.155]
1/1 [=====] - 0s 86ms/step
>4305, dr[0.289,0.579], df[0.727,0.094], g[0.634,0.134]
1/1 [=====] - 0s 82ms/step
>4306, dr[0.201,0.931], df[0.341,0.110], g[1.066,0.109]
1/1 [=====] - 0s 86ms/step
>4307, dr[0.319,0.790], df[0.124,0.130], g[1.308,0.082]
1/1 [=====] - 0s 78ms/step
>4308, dr[0.663,1.047], df[0.159,0.120], g[0.914,0.125]
1/1 [=====] - 0s 79ms/step
>4309, dr[0.322,0.488], df[0.131,0.240], g[0.637,0.158]
1/1 [=====] - 0s 88ms/step
>4310, dr[0.260,0.503], df[0.297,0.051], g[0.620,0.127]
1/1 [=====] - 0s 82ms/step
>4311, dr[0.185,0.697], df[0.587,0.095], g[0.567,0.115]
1/1 [=====] - 0s 82ms/step
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>4312, dr[0.140,0.360], df[0.466,0.214], g[0.820,0.144]
1/1 [=====] - 0s 82ms/step
>4313, dr[0.310,0.793], df[0.356,0.150], g[1.155,0.091]
1/1 [=====] - 0s 77ms/step
>4314, dr[0.258,0.634], df[0.236,0.059], g[1.299,0.088]
1/1 [=====] - 0s 87ms/step
>4315, dr[0.628,0.432], df[0.241,0.257], g[1.074,0.150]
1/1 [=====] - 0s 80ms/step
>4316, dr[0.366,0.768], df[0.125,0.420], g[0.954,0.111]
1/1 [=====] - 0s 80ms/step
>4317, dr[0.249,0.417], df[0.276,0.104], g[1.516,0.141]
1/1 [=====] - 0s 91ms/step
>4318, dr[0.185,0.833], df[0.503,0.103], g[0.940,0.144]
1/1 [=====] - 0s 87ms/step
>4319, dr[0.163,0.746], df[0.246,0.144], g[1.199,0.138]
1/1 [=====] - 0s 87ms/step
>4320, dr[0.282,0.314], df[0.286,0.074], g[1.819,0.121]
1/1 [=====] - 0s 93ms/step
>4321, dr[0.349,0.682], df[0.514,0.241], g[1.245,0.116]
1/1 [=====] - 0s 82ms/step
>4322, dr[0.289,0.719], df[0.275,0.070], g[1.465,0.136]
1/1 [=====] - 0s 85ms/step
>4323, dr[0.292,0.496], df[0.594,0.144], g[1.393,0.084]
1/1 [=====] - 0s 86ms/step
>4324, dr[0.410,0.653], df[0.197,0.071], g[1.366,0.105]
1/1 [=====] - 0s 81ms/step
>4325, dr[0.259,0.459], df[0.431,0.060], g[1.425,0.124]
1/1 [=====] - 0s 92ms/step
>4326, dr[0.413,0.552], df[0.297,0.165], g[1.781,0.111]
1/1 [=====] - 0s 93ms/step
>4327, dr[0.351,0.571], df[0.375,0.049], g[1.517,0.256]
1/1 [=====] - 0s 92ms/step
>4328, dr[0.303,0.243], df[0.303,0.164], g[1.651,0.084]
1/1 [=====] - 0s 78ms/step
>4329, dr[0.301,0.757], df[0.309,0.100], g[2.150,0.102]
1/1 [=====] - 0s 90ms/step
>4330, dr[0.235,0.609], df[0.772,0.057], g[2.053,0.114]
1/1 [=====] - 0s 85ms/step
>4331, dr[0.496,0.472], df[0.211,0.072], g[1.755,0.099]
1/1 [=====] - 0s 87ms/step
>4332, dr[0.435,0.702], df[0.227,0.117], g[2.084,0.108]
1/1 [=====] - 0s 94ms/step
>4333, dr[0.419,0.629], df[0.348,0.153], g[1.626,0.108]
1/1 [=====] - 0s 79ms/step
>4334, dr[0.510,0.314], df[1.231,0.105], g[2.145,0.146]
1/1 [=====] - 0s 96ms/step
>4335, dr[0.317,0.568], df[0.243,0.112], g[2.126,0.104]
1/1 [=====] - 0s 81ms/step
>4336, dr[0.247,0.664], df[0.292,0.064], g[2.085,0.097]
1/1 [=====] - 0s 79ms/step
>4337, dr[0.554,0.362], df[0.270,0.110], g[2.098,0.117]
1/1 [=====] - 0s 79ms/step
>4338, dr[0.456,0.637], df[0.192,0.066], g[2.201,0.108]
1/1 [=====] - 0s 79ms/step
>4339, dr[0.884,1.037], df[0.375,0.073], g[1.205,0.230]
1/1 [=====] - 0s 82ms/step
>4340, dr[0.196,0.342], df[0.591,0.099], g[1.326,0.175]
1/1 [=====] - 0s 77ms/step
>4341, dr[0.512,0.675], df[0.241,0.108], g[1.621,0.245]
1/1 [=====] - 0s 78ms/step
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>4342, dr[0.231,0.807], df[0.381,0.083], g[1.212,0.239]
1/1 [=====] - 0s 85ms/step
>4343, dr[0.111,0.309], df[0.617,0.080], g[1.715,0.123]
1/1 [=====] - 0s 83ms/step
>4344, dr[0.419,0.502], df[0.564,0.284], g[2.232,0.101]
1/1 [=====] - 0s 76ms/step
>4345, dr[0.348,0.563], df[0.202,0.113], g[2.317,0.127]
1/1 [=====] - 0s 75ms/step
>4346, dr[0.516,0.380], df[0.265,0.120], g[2.411,0.106]
1/1 [=====] - 0s 82ms/step
>4347, dr[0.590,0.638], df[0.182,0.144], g[2.705,0.180]
1/1 [=====] - 0s 73ms/step
>4348, dr[0.586,0.688], df[0.285,0.070], g[1.720,0.241]
1/1 [=====] - 0s 77ms/step
>4349, dr[0.220,0.413], df[0.421,0.218], g[1.618,0.154]
1/1 [=====] - 0s 72ms/step
>4350, dr[0.277,0.563], df[0.634,0.126], g[1.181,0.158]
1/1 [=====] - 0s 91ms/step
>4351, dr[0.188,0.472], df[0.591,0.061], g[2.164,0.174]
1/1 [=====] - 0s 87ms/step
>4352, dr[0.345,0.353], df[0.285,0.159], g[2.219,0.099]
1/1 [=====] - 0s 78ms/step
>4353, dr[0.405,0.727], df[0.257,0.071], g[1.958,0.156]
1/1 [=====] - 0s 80ms/step
>4354, dr[0.383,0.750], df[0.177,0.209], g[2.548,0.101]
1/1 [=====] - 0s 74ms/step
>4355, dr[0.396,0.413], df[0.173,0.284], g[1.758,0.202]
1/1 [=====] - 0s 87ms/step
>4356, dr[0.617,0.495], df[0.253,0.156], g[1.832,0.081]
1/1 [=====] - 0s 78ms/step
>4357, dr[0.342,0.720], df[0.424,0.085], g[1.448,0.201]
1/1 [=====] - 0s 103ms/step
>4358, dr[0.381,0.376], df[0.398,0.128], g[1.296,0.149]
1/1 [=====] - 0s 81ms/step
>4359, dr[0.149,0.652], df[0.401,0.123], g[0.990,0.241]
1/1 [=====] - 0s 101ms/step
>4360, dr[0.144,0.486], df[0.554,0.117], g[1.513,0.197]
1/1 [=====] - 0s 91ms/step
>4361, dr[0.191,0.509], df[0.335,0.101], g[1.666,0.150]
1/1 [=====] - 0s 93ms/step
>4362, dr[0.269,0.447], df[0.163,0.069], g[2.150,0.129]
1/1 [=====] - 0s 111ms/step
>4363, dr[0.523,0.489], df[0.131,0.073], g[2.167,0.165]
1/1 [=====] - 0s 115ms/step
>4364, dr[0.349,0.449], df[0.102,0.109], g[1.998,0.151]
1/1 [=====] - 0s 120ms/step
>4365, dr[0.314,0.360], df[0.372,0.164], g[1.474,0.106]
1/1 [=====] - 0s 84ms/step
>4366, dr[0.475,0.747], df[0.305,0.079], g[1.381,0.088]
1/1 [=====] - 0s 76ms/step
>4367, dr[0.309,0.567], df[0.690,0.154], g[0.891,0.145]
1/1 [=====] - 0s 90ms/step
>4368, dr[0.252,0.945], df[0.719,0.069], g[1.240,0.158]
1/1 [=====] - 0s 83ms/step
>4369, dr[0.184,0.501], df[0.251,0.085], g[1.197,0.125]
1/1 [=====] - 0s 88ms/step
>4370, dr[0.450,0.479], df[0.406,0.117], g[1.419,0.166]
1/1 [=====] - 0s 85ms/step
>4371, dr[0.277,0.363], df[0.419,0.082], g[1.738,0.167]
1/1 [=====] - 0s 87ms/step
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>4372, dr[0.702,0.702], df[0.232,0.044], g[1.475,0.204]
1/1 [=====] - 0s 89ms/step
>4373, dr[0.456,0.554], df[0.296,0.076], g[1.424,0.121]
1/1 [=====] - 0s 77ms/step
>4374, dr[0.475,0.697], df[0.537,0.198], g[1.198,0.135]
1/1 [=====] - 0s 89ms/step
>4375, dr[0.301,0.565], df[0.412,0.186], g[0.918,0.223]
1/1 [=====] - 0s 80ms/step
>4376, dr[0.243,0.341], df[0.511,0.148], g[1.396,0.124]
1/1 [=====] - 0s 82ms/step
>4377, dr[0.160,0.623], df[0.333,0.053], g[1.561,0.121]
1/1 [=====] - 0s 92ms/step
>4378, dr[0.246,0.655], df[0.358,0.052], g[1.374,0.141]
1/1 [=====] - 0s 81ms/step
>4379, dr[0.192,0.425], df[0.207,0.044], g[1.602,0.218]
1/1 [=====] - 0s 114ms/step
>4380, dr[0.638,0.853], df[0.441,0.190], g[1.475,0.174]
1/1 [=====] - 0s 119ms/step
>4381, dr[0.843,1.210], df[0.335,0.075], g[1.923,0.095]
1/1 [=====] - 0s 81ms/step
>4382, dr[0.376,0.839], df[0.239,0.072], g[1.372,0.254]
1/1 [=====] - 0s 75ms/step
>4383, dr[0.351,0.360], df[0.403,0.083], g[1.262,0.143]
1/1 [=====] - 0s 80ms/step
>4384, dr[0.354,0.836], df[0.556,0.171], g[1.054,0.151]
1/1 [=====] - 0s 78ms/step
>4385, dr[0.421,0.660], df[0.424,0.082], g[1.125,0.232]
1/1 [=====] - 0s 80ms/step
>4386, dr[0.174,0.296], df[0.778,0.084], g[0.830,0.164]
1/1 [=====] - 0s 84ms/step
>4387, dr[0.281,0.791], df[0.409,0.153], g[1.141,0.168]
1/1 [=====] - 0s 79ms/step
>4388, dr[0.200,0.593], df[0.364,0.084], g[1.778,0.231]
1/1 [=====] - 0s 79ms/step
>4389, dr[0.611,0.135], df[0.205,0.071], g[1.411,0.113]
1/1 [=====] - 0s 119ms/step
>4390, dr[0.306,0.360], df[0.131,0.110], g[1.910,0.185]
1/1 [=====] - 0s 101ms/step
>4391, dr[0.616,0.531], df[0.264,0.133], g[2.025,0.197]
1/1 [=====] - 0s 114ms/step
>4392, dr[0.473,0.605], df[0.171,0.074], g[1.271,0.193]
1/1 [=====] - 0s 85ms/step
>4393, dr[0.192,0.573], df[0.314,0.074], g[1.099,0.150]
1/1 [=====] - 0s 94ms/step
>4394, dr[0.333,0.492], df[0.481,0.066], g[0.959,0.100]
1/1 [=====] - 0s 109ms/step
>4395, dr[0.225,0.631], df[0.910,0.068], g[1.014,0.190]
1/1 [=====] - 0s 94ms/step
>4396, dr[0.243,0.493], df[0.835,0.133], g[1.887,0.173]
1/1 [=====] - 0s 81ms/step
>4397, dr[0.494,0.603], df[0.252,0.095], g[1.809,0.168]
1/1 [=====] - 0s 92ms/step
>4398, dr[0.660,1.564], df[0.211,0.164], g[1.603,0.192]
1/1 [=====] - 0s 87ms/step
>4399, dr[0.685,0.488], df[0.276,0.128], g[1.835,0.205]
1/1 [=====] - 0s 84ms/step
>4400, dr[0.615,0.820], df[0.374,0.170], g[1.583,0.169]
1/1 [=====] - 0s 94ms/step
>4401, dr[0.373,0.836], df[0.582,0.115], g[1.248,0.241]
1/1 [=====] - 0s 76ms/step
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>4402, dr[0.230,0.452], df[0.653,0.113], g[1.417,0.275]
1/1 [=====] - 0s 88ms/step
>4403, dr[0.257,0.759], df[0.611,0.163], g[1.757,0.127]
1/1 [=====] - 0s 85ms/step
>4404, dr[0.614,0.899], df[0.582,0.077], g[1.618,0.291]
1/1 [=====] - 0s 79ms/step
>4405, dr[0.451,0.511], df[0.486,0.145], g[2.201,0.172]
1/1 [=====] - 0s 93ms/step
>4406, dr[0.753,0.683], df[0.310,0.057], g[1.656,0.376]
1/1 [=====] - 0s 99ms/step
>4407, dr[0.579,0.459], df[0.209,0.117], g[1.946,0.342]
1/1 [=====] - 0s 79ms/step
>4408, dr[0.583,0.664], df[0.682,0.192], g[1.362,0.274]
1/1 [=====] - 0s 82ms/step
>4409, dr[0.513,0.752], df[0.667,0.203], g[1.283,0.268]
1/1 [=====] - 0s 87ms/step
>4410, dr[0.368,0.834], df[0.437,0.295], g[1.088,0.249]
1/1 [=====] - 0s 89ms/step
>4411, dr[0.405,0.576], df[0.479,0.152], g[1.332,0.342]
1/1 [=====] - 0s 83ms/step
>4412, dr[0.536,0.277], df[0.649,0.135], g[1.697,0.080]
1/1 [=====] - 0s 86ms/step
>4413, dr[0.520,0.366], df[0.454,0.136], g[1.269,0.304]
1/1 [=====] - 0s 80ms/step
>4414, dr[0.386,0.847], df[0.565,0.177], g[1.978,0.211]
1/1 [=====] - 0s 73ms/step
>4415, dr[0.466,0.683], df[0.399,0.117], g[1.730,0.129]
1/1 [=====] - 0s 76ms/step
>4416, dr[0.295,0.394], df[0.264,0.170], g[1.980,0.179]
1/1 [=====] - 0s 73ms/step
>4417, dr[0.507,0.517], df[0.323,0.182], g[1.551,0.190]
1/1 [=====] - 0s 91ms/step
>4418, dr[0.466,0.406], df[0.296,0.139], g[2.179,0.133]
1/1 [=====] - 0s 77ms/step
>4419, dr[0.441,0.587], df[0.473,0.081], g[1.627,0.123]
1/1 [=====] - 0s 78ms/step
>4420, dr[0.325,0.500], df[0.629,0.066], g[1.589,0.191]
1/1 [=====] - 0s 99ms/step
>4421, dr[0.213,0.507], df[0.626,0.136], g[1.810,0.150]
1/1 [=====] - 0s 73ms/step
>4422, dr[0.354,0.376], df[0.224,0.095], g[2.638,0.269]
1/1 [=====] - 0s 75ms/step
>4423, dr[0.572,0.624], df[0.158,0.109], g[1.987,0.137]
1/1 [=====] - 0s 86ms/step
>4424, dr[0.272,0.479], df[0.215,0.053], g[2.219,0.236]
1/1 [=====] - 0s 82ms/step
>4425, dr[0.268,0.550], df[0.241,0.093], g[2.238,0.125]
1/1 [=====] - 0s 83ms/step
>4426, dr[0.506,0.516], df[0.236,0.140], g[2.031,0.185]
1/1 [=====] - 0s 82ms/step
>4427, dr[0.318,0.396], df[0.536,0.052], g[1.690,0.137]
1/1 [=====] - 0s 86ms/step
>4428, dr[0.191,0.860], df[0.452,0.134], g[1.825,0.111]
1/1 [=====] - 0s 84ms/step
>4429, dr[0.206,0.603], df[0.301,0.130], g[1.959,0.175]
1/1 [=====] - 0s 86ms/step
>4430, dr[0.169,0.828], df[0.339,0.141], g[1.859,0.082]
1/1 [=====] - 0s 87ms/step
>4431, dr[0.225,0.399], df[0.344,0.067], g[2.339,0.133]
1/1 [=====] - 0s 88ms/step
```

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>4432, dr[0.280,0.629], df[0.124,0.111], g[2.437,0.181]
1/1 [=====] - 0s 78ms/step
>4433, dr[0.595,0.448], df[0.266,0.137], g[2.311,0.135]
1/1 [=====] - 0s 77ms/step
>4434, dr[0.239,0.487], df[0.260,0.151], g[2.180,0.152]
1/1 [=====] - 0s 86ms/step
>4435, dr[0.427,0.245], df[0.337,0.089], g[2.033,0.130]
1/1 [=====] - 0s 74ms/step
>4436, dr[0.415,0.795], df[0.354,0.212], g[1.993,0.103]
1/1 [=====] - 0s 72ms/step
>4437, dr[0.408,0.782], df[0.520,0.084], g[1.973,0.111]
1/1 [=====] - 0s 73ms/step
>4438, dr[0.313,0.822], df[0.306,0.225], g[1.651,0.193]
1/1 [=====] - 0s 74ms/step
>4439, dr[0.193,0.219], df[0.490,0.129], g[2.066,0.127]
1/1 [=====] - 0s 84ms/step
>4440, dr[0.345,0.628], df[0.267,0.051], g[2.030,0.156]
1/1 [=====] - 0s 72ms/step
>4441, dr[0.189,0.363], df[0.282,0.105], g[1.998,0.138]
1/1 [=====] - 0s 84ms/step
>4442, dr[0.129,0.415], df[0.398,0.243], g[2.271,0.142]
1/1 [=====] - 0s 73ms/step
>4443, dr[0.467,0.621], df[0.358,0.091], g[2.645,0.169]
1/1 [=====] - 0s 74ms/step
>4444, dr[0.255,1.076], df[0.146,0.096], g[2.167,0.093]
1/1 [=====] - 0s 88ms/step
>4445, dr[0.448,0.683], df[0.332,0.150], g[2.464,0.115]
1/1 [=====] - 0s 75ms/step
>4446, dr[0.454,0.358], df[0.144,0.179], g[2.504,0.080]
1/1 [=====] - 0s 78ms/step
>4447, dr[0.214,0.988], df[0.273,0.170], g[2.282,0.107]
1/1 [=====] - 0s 76ms/step
>4448, dr[0.126,0.296], df[0.472,0.091], g[1.960,0.154]
1/1 [=====] - 0s 76ms/step
>4449, dr[0.163,0.657], df[0.184,0.091], g[2.054,0.121]
1/1 [=====] - 0s 72ms/step
>4450, dr[0.469,0.623], df[0.371,0.108], g[1.633,0.155]
1/1 [=====] - 0s 71ms/step
>4451, dr[0.239,0.626], df[0.293,0.075], g[1.782,0.143]
1/1 [=====] - 0s 78ms/step
>4452, dr[0.447,0.857], df[0.329,0.098], g[2.255,0.103]
1/1 [=====] - 0s 72ms/step
>4453, dr[0.132,0.378], df[0.401,0.146], g[1.942,0.155]
1/1 [=====] - 0s 80ms/step
>4454, dr[0.303,0.397], df[0.323,0.152], g[2.352,0.192]
1/1 [=====] - 0s 81ms/step
>4455, dr[0.541,0.778], df[0.242,0.150], g[2.067,0.143]
1/1 [=====] - 0s 87ms/step
>4456, dr[0.408,0.559], df[0.579,0.150], g[1.829,0.074]
1/1 [=====] - 0s 83ms/step
>4457, dr[0.173,0.643], df[0.251,0.098], g[1.743,0.087]
1/1 [=====] - 0s 101ms/step
>4458, dr[0.470,0.452], df[0.324,0.110], g[1.977,0.121]
1/1 [=====] - 0s 89ms/step
>4459, dr[0.615,0.725], df[0.202,0.098], g[2.062,0.117]
1/1 [=====] - 0s 84ms/step
>4460, dr[0.332,0.948], df[0.413,0.145], g[1.372,0.072]
1/1 [=====] - 0s 71ms/step
>4461, dr[0.204,0.513], df[0.279,0.055], g[1.419,0.108]
1/1 [=====] - 0s 77ms/step
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>4462, dr[0.397,0.306], df[0.565,0.173], g[1.663,0.108]
1/1 [=====] - 0s 71ms/step
>4463, dr[0.228,0.753], df[0.740,0.178], g[1.530,0.201]
1/1 [=====] - 0s 83ms/step
>4464, dr[0.205,0.504], df[0.368,0.104], g[1.481,0.123]
1/1 [=====] - 0s 76ms/step
>4465, dr[0.262,0.277], df[0.471,0.085], g[1.833,0.151]
1/1 [=====] - 0s 75ms/step
>4466, dr[0.511,0.330], df[0.189,0.052], g[2.108,0.143]
1/1 [=====] - 0s 79ms/step
>4467, dr[0.678,0.574], df[0.370,0.084], g[1.977,0.086]
1/1 [=====] - 0s 70ms/step
>4468, dr[0.299,0.411], df[0.391,0.074], g[1.774,0.135]
1/1 [=====] - 0s 82ms/step
>4469, dr[0.402,0.996], df[0.288,0.114], g[1.429,0.158]
1/1 [=====] - 0s 70ms/step
>4470, dr[0.186,0.665], df[0.378,0.125], g[1.813,0.112]
1/1 [=====] - 0s 81ms/step
>4471, dr[0.324,0.977], df[0.499,0.096], g[1.837,0.071]
1/1 [=====] - 0s 75ms/step
>4472, dr[0.382,0.504], df[0.466,0.025], g[2.391,0.140]
1/1 [=====] - 0s 72ms/step
>4473, dr[0.229,0.500], df[0.221,0.059], g[2.326,0.069]
1/1 [=====] - 0s 83ms/step
>4474, dr[0.449,0.581], df[0.111,0.093], g[2.081,0.115]
1/1 [=====] - 0s 72ms/step
>4475, dr[0.612,0.614], df[0.282,0.202], g[1.731,0.099]
1/1 [=====] - 0s 92ms/step
>4476, dr[0.350,1.033], df[0.483,0.099], g[1.793,0.130]
1/1 [=====] - 0s 75ms/step
>4477, dr[0.350,0.870], df[0.165,0.131], g[1.829,0.061]
1/1 [=====] - 0s 72ms/step
>4478, dr[0.379,1.137], df[0.410,0.108], g[1.340,0.239]
1/1 [=====] - 0s 77ms/step
>4479, dr[0.224,0.898], df[0.746,0.267], g[1.251,0.157]
1/1 [=====] - 0s 70ms/step
>4480, dr[0.165,0.381], df[0.639,0.102], g[1.802,0.093]
1/1 [=====] - 0s 73ms/step
>4481, dr[0.186,0.454], df[0.320,0.081], g[2.317,0.161]
1/1 [=====] - 0s 95ms/step
>4482, dr[0.276,1.146], df[0.192,0.146], g[2.861,0.152]
1/1 [=====] - 0s 89ms/step
>4483, dr[0.457,0.903], df[0.246,0.128], g[2.997,0.148]
1/1 [=====] - 0s 103ms/step
>4484, dr[0.260,0.566], df[0.216,0.050], g[2.719,0.193]
1/1 [=====] - 0s 97ms/step
>4485, dr[0.569,0.401], df[0.153,0.103], g[2.549,0.123]
1/1 [=====] - 0s 87ms/step
>4486, dr[0.387,0.668], df[0.294,0.080], g[1.988,0.173]
1/1 [=====] - 0s 89ms/step
>4487, dr[0.132,0.475], df[0.260,0.144], g[1.897,0.199]
1/1 [=====] - 0s 101ms/step
>4488, dr[0.159,0.881], df[0.430,0.104], g[1.687,0.085]
1/1 [=====] - 0s 89ms/step
>4489, dr[0.109,0.639], df[0.366,0.163], g[2.124,0.109]
1/1 [=====] - 0s 90ms/step
>4490, dr[0.317,0.555], df[0.354,0.155], g[1.899,0.123]
1/1 [=====] - 0s 100ms/step
>4491, dr[0.529,0.829], df[0.254,0.173], g[2.034,0.153]
1/1 [=====] - 0s 94ms/step
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>4492, dr[0.358,0.500], df[0.266,0.065], g[2.201,0.218]
1/1 [=====] - 0s 88ms/step
>4493, dr[0.155,0.732], df[0.486,0.193], g[2.147,0.135]
1/1 [=====] - 0s 78ms/step
>4494, dr[0.488,0.714], df[0.150,0.087], g[2.312,0.186]
1/1 [=====] - 0s 101ms/step
>4495, dr[0.239,0.436], df[0.196,0.085], g[2.516,0.129]
1/1 [=====] - 0s 163ms/step
>4496, dr[0.419,0.637], df[0.263,0.070], g[1.891,0.133]
1/1 [=====] - 0s 185ms/step
>4497, dr[0.283,0.806], df[0.280,0.098], g[2.027,0.156]
1/1 [=====] - 0s 128ms/step
>4498, dr[0.329,0.477], df[0.450,0.164], g[1.952,0.128]
1/1 [=====] - 0s 106ms/step
>4499, dr[0.199,0.394], df[0.586,0.149], g[2.126,0.149]
1/1 [=====] - 0s 123ms/step
>4500, dr[0.277,0.477], df[0.319,0.224], g[2.251,0.102]
1/1 [=====] - 0s 120ms/step
>4501, dr[0.221,0.392], df[0.202,0.200], g[2.229,0.299]
1/1 [=====] - 0s 186ms/step
>4502, dr[0.446,0.731], df[0.259,0.055], g[2.371,0.135]
1/1 [=====] - 0s 158ms/step
>4503, dr[0.340,0.526], df[0.169,0.052], g[2.228,0.208]
1/1 [=====] - 0s 175ms/step
>4504, dr[0.401,0.736], df[0.380,0.242], g[2.326,0.126]
1/1 [=====] - 0s 75ms/step
>4505, dr[0.369,0.396], df[0.370,0.241], g[1.793,0.226]
1/1 [=====] - 0s 173ms/step
>4506, dr[0.337,0.876], df[0.366,0.180], g[1.729,0.143]
1/1 [=====] - 0s 143ms/step
>4507, dr[0.154,0.434], df[0.616,0.208], g[1.371,0.203]
1/1 [=====] - 0s 160ms/step
>4508, dr[0.396,0.621], df[0.251,0.366], g[2.283,0.135]
1/1 [=====] - 0s 202ms/step
>4509, dr[0.285,0.391], df[0.440,0.257], g[2.258,0.092]
1/1 [=====] - 0s 223ms/step
>4510, dr[0.359,0.319], df[0.236,0.084], g[1.938,0.136]
1/1 [=====] - 0s 114ms/step
>4511, dr[0.275,1.043], df[0.295,0.090], g[1.833,0.116]
1/1 [=====] - 0s 114ms/step
>4512, dr[0.353,0.732], df[0.448,0.284], g[1.782,0.191]
1/1 [=====] - 0s 92ms/step
>4513, dr[0.391,0.677], df[0.277,0.049], g[2.557,0.113]
1/1 [=====] - 1s 1s/step
>4514, dr[0.255,0.520], df[0.285,0.058], g[1.736,0.156]
1/1 [=====] - 0s 101ms/step
>4515, dr[0.246,0.660], df[0.192,0.161], g[1.839,0.134]
1/1 [=====] - 0s 102ms/step
>4516, dr[0.344,0.773], df[0.328,0.171], g[1.539,0.100]
1/1 [=====] - 0s 133ms/step
>4517, dr[0.415,1.022], df[0.528,0.355], g[1.912,0.150]
1/1 [=====] - 0s 107ms/step
>4518, dr[0.275,0.611], df[0.409,0.139], g[1.699,0.164]
1/1 [=====] - 0s 103ms/step
>4519, dr[0.217,0.735], df[0.574,0.103], g[1.398,0.121]
1/1 [=====] - 0s 105ms/step
>4520, dr[0.210,0.505], df[0.385,0.114], g[2.172,0.077]
1/1 [=====] - 0s 134ms/step
>4521, dr[0.341,0.531], df[0.248,0.092], g[2.153,0.086]
1/1 [=====] - 0s 141ms/step
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>4522, dr[0.397,0.628], df[0.226,0.299], g[2.093,0.186]
1/1 [=====] - 0s 78ms/step
>4523, dr[0.443,0.861], df[0.230,0.172], g[2.144,0.248]
1/1 [=====] - 0s 97ms/step
>4524, dr[0.336,0.590], df[0.198,0.203], g[1.713,0.137]
1/1 [=====] - 0s 85ms/step
>4525, dr[0.647,1.401], df[0.396,0.452], g[1.519,0.167]
1/1 [=====] - 0s 105ms/step
>4526, dr[0.319,0.697], df[0.415,0.121], g[1.262,0.090]
1/1 [=====] - 0s 104ms/step
>4527, dr[0.240,0.709], df[0.614,0.087], g[1.327,0.229]
1/1 [=====] - 0s 79ms/step
>4528, dr[0.170,0.359], df[0.347,0.088], g[1.695,0.175]
1/1 [=====] - 0s 132ms/step
>4529, dr[0.239,0.572], df[0.304,0.070], g[1.799,0.181]
1/1 [=====] - 0s 113ms/step
>4530, dr[0.281,0.478], df[0.591,0.131], g[1.933,0.091]
1/1 [=====] - 0s 95ms/step
>4531, dr[0.437,0.448], df[0.230,0.082], g[1.909,0.149]
1/1 [=====] - 0s 128ms/step
>4532, dr[0.454,0.535], df[0.222,0.138], g[2.036,0.238]
1/1 [=====] - 0s 75ms/step
>4533, dr[0.227,0.558], df[0.405,0.102], g[1.852,0.181]
1/1 [=====] - 0s 96ms/step
>4534, dr[0.352,0.586], df[0.371,0.104], g[1.961,0.122]
1/1 [=====] - 0s 83ms/step
>4535, dr[0.398,0.353], df[0.144,0.051], g[1.833,0.164]
1/1 [=====] - 0s 74ms/step
>4536, dr[0.150,0.498], df[0.495,0.103], g[1.636,0.107]
1/1 [=====] - 0s 86ms/step
>4537, dr[0.390,0.461], df[0.335,0.080], g[1.697,0.108]
1/1 [=====] - 0s 79ms/step
>4538, dr[0.317,0.743], df[0.404,0.044], g[1.669,0.092]
1/1 [=====] - 0s 84ms/step
>4539, dr[0.360,0.831], df[0.721,0.080], g[1.754,0.147]
1/1 [=====] - 0s 79ms/step
>4540, dr[0.515,0.791], df[0.342,0.077], g[1.680,0.159]
1/1 [=====] - 0s 77ms/step
>4541, dr[0.169,0.479], df[0.465,0.152], g[1.809,0.142]
1/1 [=====] - 0s 86ms/step
>4542, dr[0.262,0.418], df[0.328,0.105], g[1.672,0.237]
1/1 [=====] - 0s 87ms/step
>4543, dr[0.297,0.790], df[0.341,0.181], g[1.903,0.107]
1/1 [=====] - 0s 78ms/step
>4544, dr[0.658,0.538], df[0.298,0.074], g[2.072,0.087]
1/1 [=====] - 0s 79ms/step
>4545, dr[0.378,0.783], df[0.295,0.118], g[1.515,0.137]
1/1 [=====] - 0s 75ms/step
>4546, dr[0.405,0.747], df[0.416,0.106], g[1.832,0.201]
1/1 [=====] - 0s 86ms/step
>4547, dr[0.673,0.636], df[0.383,0.102], g[1.691,0.101]
1/1 [=====] - 0s 80ms/step
>4548, dr[0.346,0.403], df[0.469,0.087], g[1.721,0.186]
1/1 [=====] - 0s 75ms/step
>4549, dr[0.327,0.493], df[0.335,0.080], g[1.408,0.178]
1/1 [=====] - 0s 88ms/step
>4550, dr[0.291,0.690], df[0.561,0.115], g[1.663,0.082]
1/1 [=====] - 0s 82ms/step
>4551, dr[0.320,0.982], df[0.375,0.132], g[1.573,0.170]
1/1 [=====] - 0s 80ms/step
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>4552, dr[0.269,0.615], df[0.495,0.328], g[1.595,0.149]
1/1 [=====] - 0s 85ms/step
>4553, dr[0.456,0.573], df[0.269,0.098], g[1.429,0.138]
1/1 [=====] - 0s 78ms/step
>4554, dr[0.424,0.317], df[0.403,0.080], g[1.449,0.135]
1/1 [=====] - 0s 80ms/step
>4555, dr[0.544,0.221], df[0.340,0.235], g[2.156,0.095]
1/1 [=====] - 0s 76ms/step
>4556, dr[0.421,0.715], df[0.328,0.104], g[1.329,0.291]
1/1 [=====] - 0s 79ms/step
>4557, dr[0.348,0.310], df[0.572,0.109], g[1.107,0.112]
1/1 [=====] - 0s 85ms/step
>4558, dr[0.214,0.873], df[0.611,0.113], g[1.509,0.098]
1/1 [=====] - 0s 84ms/step
>4559, dr[0.649,0.594], df[0.362,0.100], g[1.589,0.172]
1/1 [=====] - 0s 76ms/step
>4560, dr[0.420,0.647], df[0.415,0.150], g[1.480,0.094]
1/1 [=====] - 0s 78ms/step
>4561, dr[0.362,0.711], df[0.353,0.119], g[1.690,0.188]
1/1 [=====] - 0s 77ms/step
>4562, dr[0.306,0.561], df[0.715,0.091], g[1.582,0.127]
1/1 [=====] - 0s 88ms/step
>4563, dr[0.413,0.561], df[0.560,0.084], g[1.732,0.117]
1/1 [=====] - 0s 87ms/step
>4564, dr[0.240,0.719], df[0.310,0.066], g[1.893,0.127]
1/1 [=====] - 0s 79ms/step
>4565, dr[0.385,0.709], df[0.368,0.103], g[1.833,0.100]
1/1 [=====] - 0s 87ms/step
>4566, dr[0.479,0.377], df[0.258,0.079], g[1.847,0.205]
1/1 [=====] - 0s 76ms/step
>4567, dr[0.742,0.604], df[0.173,0.097], g[1.910,0.131]
1/1 [=====] - 0s 72ms/step
>4568, dr[0.412,0.826], df[0.379,0.089], g[1.603,0.184]
1/1 [=====] - 0s 73ms/step
>4569, dr[0.394,0.475], df[0.544,0.107], g[1.221,0.201]
1/1 [=====] - 0s 74ms/step
>4570, dr[0.286,0.806], df[0.760,0.141], g[1.667,0.172]
1/1 [=====] - 0s 73ms/step
>4571, dr[0.247,0.826], df[0.325,0.053], g[1.359,0.176]
1/1 [=====] - 0s 72ms/step
>4572, dr[0.390,0.714], df[0.304,0.126], g[1.806,0.143]
1/1 [=====] - 0s 82ms/step
>4573, dr[0.440,0.672], df[0.353,0.209], g[1.784,0.166]
1/1 [=====] - 0s 77ms/step
>4574, dr[0.369,0.595], df[0.249,0.236], g[1.733,0.136]
1/1 [=====] - 0s 79ms/step
>4575, dr[0.354,0.521], df[0.413,0.158], g[1.836,0.202]
1/1 [=====] - 0s 72ms/step
>4576, dr[0.361,0.423], df[0.553,0.132], g[1.817,0.187]
1/1 [=====] - 0s 76ms/step
>4577, dr[0.341,0.620], df[0.263,0.149], g[1.775,0.163]
1/1 [=====] - 0s 83ms/step
>4578, dr[0.369,1.032], df[0.411,0.119], g[2.131,0.140]
1/1 [=====] - 0s 76ms/step
>4579, dr[0.754,0.893], df[0.149,0.135], g[2.255,0.204]
1/1 [=====] - 0s 78ms/step
>4580, dr[0.588,0.579], df[0.539,0.264], g[2.146,0.142]
1/1 [=====] - 0s 78ms/step
>4581, dr[0.615,0.764], df[0.320,0.197], g[1.821,0.085]
1/1 [=====] - 0s 74ms/step
```

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>4582, dr[0.155,0.854], df[0.355,0.079], g[1.354,0.160]
1/1 [=====] - 0s 75ms/step
>4583, dr[0.205,0.817], df[0.394,0.181], g[1.453,0.118]
1/1 [=====] - 0s 78ms/step
>4584, dr[0.329,0.406], df[0.259,0.215], g[1.426,0.108]
1/1 [=====] - 0s 76ms/step
>4585, dr[0.242,0.244], df[0.519,0.163], g[1.826,0.115]
1/1 [=====] - 0s 87ms/step
>4586, dr[0.543,0.448], df[0.224,0.096], g[2.132,0.148]
1/1 [=====] - 0s 72ms/step
>4587, dr[0.596,0.510], df[0.215,0.080], g[1.565,0.174]
1/1 [=====] - 0s 76ms/step
>4588, dr[0.533,0.512], df[0.485,0.166], g[1.810,0.108]
1/1 [=====] - 0s 74ms/step
>4589, dr[0.215,1.010], df[0.286,0.137], g[1.659,0.180]
1/1 [=====] - 0s 73ms/step
>4590, dr[0.334,0.498], df[0.297,0.199], g[1.400,0.100]
1/1 [=====] - 0s 76ms/step
>4591, dr[0.475,0.690], df[0.444,0.125], g[1.264,0.209]
1/1 [=====] - 0s 78ms/step
>4592, dr[0.390,0.919], df[0.625,0.213], g[1.332,0.185]
1/1 [=====] - 0s 81ms/step
>4593, dr[0.314,0.697], df[0.409,0.131], g[1.380,0.225]
1/1 [=====] - 0s 72ms/step
>4594, dr[0.253,1.199], df[0.248,0.124], g[1.919,0.249]
1/1 [=====] - 0s 74ms/step
>4595, dr[0.224,0.533], df[0.285,0.104], g[2.024,0.125]
1/1 [=====] - 0s 76ms/step
>4596, dr[0.481,0.590], df[0.344,0.132], g[1.879,0.183]
1/1 [=====] - 0s 79ms/step
>4597, dr[0.275,0.888], df[0.460,0.175], g[2.204,0.127]
1/1 [=====] - 0s 82ms/step
>4598, dr[0.310,0.477], df[0.294,0.106], g[1.900,0.224]
1/1 [=====] - 0s 72ms/step
>4599, dr[0.618,0.738], df[0.250,0.177], g[1.858,0.170]
1/1 [=====] - 0s 77ms/step
>4600, dr[0.330,0.332], df[0.340,0.137], g[1.976,0.217]
1/1 [=====] - 0s 72ms/step
>4601, dr[0.327,0.397], df[0.310,0.096], g[1.609,0.173]
1/1 [=====] - 0s 73ms/step
>4602, dr[0.170,0.543], df[0.587,0.109], g[1.527,0.090]
1/1 [=====] - 0s 77ms/step
>4603, dr[0.279,0.551], df[0.296,0.122], g[1.765,0.122]
1/1 [=====] - 0s 72ms/step
>4604, dr[0.228,0.633], df[0.201,0.104], g[1.820,0.070]
1/1 [=====] - 0s 78ms/step
>4605, dr[0.286,0.316], df[0.331,0.144], g[2.015,0.183]
1/1 [=====] - 0s 74ms/step
>4606, dr[0.234,0.654], df[0.295,0.148], g[1.785,0.241]
1/1 [=====] - 0s 77ms/step
>4607, dr[0.445,0.434], df[0.466,0.128], g[1.881,0.321]
1/1 [=====] - 0s 73ms/step
>4608, dr[0.528,0.509], df[0.315,0.149], g[2.068,0.133]
1/1 [=====] - 0s 71ms/step
>4609, dr[0.261,1.068], df[0.427,0.154], g[1.485,0.095]
1/1 [=====] - 0s 90ms/step
>4610, dr[0.434,0.314], df[0.433,0.167], g[1.945,0.146]
1/1 [=====] - 0s 72ms/step
>4611, dr[0.266,0.358], df[0.371,0.118], g[1.545,0.105]
1/1 [=====] - 0s 82ms/step
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>4612, dr[0.281,0.535], df[0.411,0.276], g[1.824,0.281]
1/1 [=====] - 0s 71ms/step
>4613, dr[0.359,0.944], df[0.326,0.069], g[1.993,0.120]
1/1 [=====] - 0s 71ms/step
>4614, dr[0.431,0.523], df[0.265,0.074], g[2.026,0.087]
1/1 [=====] - 0s 72ms/step
>4615, dr[0.364,0.702], df[0.558,0.164], g[2.222,0.118]
1/1 [=====] - 0s 73ms/step
>4616, dr[0.586,0.726], df[0.284,0.072], g[1.926,0.186]
1/1 [=====] - 0s 82ms/step
>4617, dr[0.343,0.424], df[0.214,0.087], g[1.596,0.071]
1/1 [=====] - 0s 77ms/step
>4618, dr[0.377,0.489], df[0.243,0.234], g[1.692,0.235]
1/1 [=====] - 0s 77ms/step
>4619, dr[0.204,0.443], df[0.470,0.147], g[1.284,0.167]
1/1 [=====] - 0s 75ms/step
>4620, dr[0.160,0.538], df[0.362,0.101], g[1.295,0.151]
1/1 [=====] - 0s 78ms/step
>4621, dr[0.082,0.652], df[0.287,0.130], g[1.598,0.112]
1/1 [=====] - 0s 85ms/step
>4622, dr[0.247,0.682], df[0.651,0.147], g[2.220,0.102]
1/1 [=====] - 0s 72ms/step
>4623, dr[0.228,0.482], df[0.236,0.089], g[2.370,0.197]
1/1 [=====] - 0s 130ms/step
>4624, dr[0.403,0.599], df[0.288,0.125], g[2.455,0.126]
1/1 [=====] - 0s 84ms/step
>4625, dr[0.231,0.639], df[0.122,0.109], g[2.566,0.166]
1/1 [=====] - 0s 76ms/step
>4626, dr[0.210,0.567], df[0.231,0.186], g[3.102,0.145]
1/1 [=====] - 0s 75ms/step
>4627, dr[0.451,0.426], df[0.176,0.176], g[2.397,0.199]
1/1 [=====] - 0s 73ms/step
>4628, dr[0.254,0.849], df[0.291,0.267], g[2.642,0.110]
1/1 [=====] - 0s 76ms/step
>4629, dr[0.377,0.572], df[0.264,0.228], g[2.151,0.081]
1/1 [=====] - 0s 75ms/step
>4630, dr[0.181,0.641], df[0.174,0.055], g[1.959,0.173]
1/1 [=====] - 0s 74ms/step
>4631, dr[0.342,1.117], df[0.495,0.066], g[2.182,0.170]
1/1 [=====] - 0s 77ms/step
>4632, dr[0.293,0.944], df[0.504,0.042], g[1.912,0.063]
1/1 [=====] - 0s 89ms/step
>4633, dr[0.441,0.546], df[0.372,0.159], g[1.553,0.132]
1/1 [=====] - 0s 78ms/step
>4634, dr[0.306,0.555], df[0.558,0.153], g[1.408,0.141]
1/1 [=====] - 0s 74ms/step
>4635, dr[0.463,0.851], df[0.342,0.126], g[2.211,0.113]
1/1 [=====] - 0s 75ms/step
>4636, dr[0.184,0.376], df[0.184,0.103], g[1.814,0.087]
1/1 [=====] - 0s 77ms/step
>4637, dr[0.390,0.593], df[0.260,0.038], g[1.981,0.086]
1/1 [=====] - 0s 79ms/step
>4638, dr[0.225,0.430], df[0.335,0.094], g[2.405,0.174]
1/1 [=====] - 0s 71ms/step
>4639, dr[0.371,0.440], df[0.218,0.077], g[2.499,0.079]
1/1 [=====] - 0s 78ms/step
>4640, dr[0.632,0.901], df[0.257,0.062], g[1.975,0.214]
1/1 [=====] - 0s 74ms/step
>4641, dr[0.161,0.519], df[0.283,0.067], g[2.081,0.104]
1/1 [=====] - 0s 79ms/step
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>4642, dr[0.364,0.630], df[0.350,0.335], g[1.961,0.190]
1/1 [=====] - 0s 78ms/step
>4643, dr[0.268,0.428], df[0.301,0.085], g[1.932,0.115]
1/1 [=====] - 0s 77ms/step
>4644, dr[0.182,0.513], df[0.231,0.076], g[1.394,0.120]
1/1 [=====] - 0s 79ms/step
>4645, dr[0.345,0.575], df[0.491,0.087], g[1.759,0.099]
1/1 [=====] - 0s 77ms/step
>4646, dr[0.193,0.402], df[0.465,0.098], g[1.377,0.084]
1/1 [=====] - 0s 72ms/step
>4647, dr[0.573,0.564], df[0.377,0.064], g[1.469,0.184]
1/1 [=====] - 0s 74ms/step
>4648, dr[0.332,0.913], df[0.422,0.070], g[1.568,0.166]
1/1 [=====] - 0s 72ms/step
>4649, dr[0.272,0.605], df[0.197,0.174], g[1.875,0.170]
1/1 [=====] - 0s 77ms/step
>4650, dr[0.377,0.560], df[0.300,0.169], g[1.530,0.166]
1/1 [=====] - 0s 72ms/step
>4651, dr[0.584,0.670], df[0.236,0.153], g[1.697,0.224]
1/1 [=====] - 0s 75ms/step
>4652, dr[0.514,0.400], df[0.344,0.110], g[1.622,0.102]
1/1 [=====] - 0s 74ms/step
>4653, dr[0.231,0.368], df[0.613,0.370], g[1.820,0.072]
1/1 [=====] - 0s 75ms/step
>4654, dr[0.413,0.303], df[0.669,0.178], g[1.501,0.133]
1/1 [=====] - 0s 80ms/step
>4655, dr[0.413,0.524], df[0.417,0.185], g[1.544,0.095]
1/1 [=====] - 0s 71ms/step
>4656, dr[0.722,0.403], df[0.321,0.149], g[1.807,0.151]
1/1 [=====] - 0s 76ms/step
>4657, dr[0.389,0.510], df[0.406,0.080], g[1.544,0.082]
1/1 [=====] - 0s 88ms/step
>4658, dr[0.354,0.450], df[0.465,0.112], g[1.520,0.090]
1/1 [=====] - 0s 72ms/step
>4659, dr[0.395,0.783], df[0.257,0.238], g[1.389,0.180]
1/1 [=====] - 0s 93ms/step
>4660, dr[0.364,0.416], df[0.192,0.193], g[1.420,0.167]
1/1 [=====] - 0s 85ms/step
>4661, dr[0.360,0.507], df[0.432,0.153], g[1.083,0.147]
1/1 [=====] - 0s 91ms/step
>4662, dr[0.229,0.503], df[0.418,0.178], g[1.571,0.122]
1/1 [=====] - 0s 77ms/step
>4663, dr[0.293,0.389], df[0.580,0.091], g[1.542,0.136]
1/1 [=====] - 0s 81ms/step
>4664, dr[0.355,0.529], df[0.351,0.121], g[1.839,0.075]
1/1 [=====] - 0s 79ms/step
>4665, dr[0.520,0.930], df[0.327,0.115], g[1.789,0.150]
1/1 [=====] - 0s 74ms/step
>4666, dr[0.619,0.445], df[0.331,0.191], g[1.775,0.094]
1/1 [=====] - 0s 79ms/step
>4667, dr[0.669,0.344], df[0.151,0.059], g[1.080,0.129]
1/1 [=====] - 0s 75ms/step
>4668, dr[0.367,0.536], df[0.610,0.112], g[1.075,0.148]
1/1 [=====] - 0s 73ms/step
>4669, dr[0.209,0.636], df[0.526,0.136], g[1.129,0.151]
1/1 [=====] - 0s 82ms/step
>4670, dr[0.173,0.661], df[0.753,0.111], g[1.352,0.317]
1/1 [=====] - 0s 73ms/step
>4671, dr[0.353,0.841], df[0.367,0.086], g[1.921,0.126]
1/1 [=====] - 0s 73ms/step
```

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>4672, dr[0.285,0.464], df[0.168,0.078], g[2.198,0.189]
1/1 [=====] - 0s 83ms/step
>4673, dr[0.681,0.565], df[0.135,0.122], g[2.256,0.145]
1/1 [=====] - 0s 72ms/step
>4674, dr[0.878,0.632], df[0.188,0.063], g[1.848,0.131]
1/1 [=====] - 0s 77ms/step
>4675, dr[0.413,0.765], df[0.447,0.118], g[1.040,0.212]
1/1 [=====] - 0s 85ms/step
>4676, dr[0.440,0.665], df[1.036,0.140], g[1.042,0.221]
1/1 [=====] - 0s 76ms/step
>4677, dr[0.357,0.443], df[0.575,0.075], g[0.848,0.187]
1/1 [=====] - 0s 91ms/step
>4678, dr[0.238,0.733], df[0.651,0.243], g[1.299,0.175]
1/1 [=====] - 0s 73ms/step
>4679, dr[0.272,0.444], df[0.313,0.031], g[1.503,0.198]
1/1 [=====] - 0s 77ms/step
>4680, dr[0.288,0.462], df[0.439,0.100], g[1.742,0.185]
1/1 [=====] - 0s 78ms/step
>4681, dr[0.347,0.540], df[0.219,0.183], g[2.002,0.222]
1/1 [=====] - 0s 76ms/step
>4682, dr[0.718,0.786], df[0.184,0.179], g[1.762,0.260]
1/1 [=====] - 0s 80ms/step
>4683, dr[0.700,0.530], df[0.102,0.133], g[1.340,0.274]
1/1 [=====] - 0s 73ms/step
>4684, dr[0.399,0.526], df[0.281,0.236], g[1.221,0.140]
1/1 [=====] - 0s 79ms/step
>4685, dr[0.358,0.780], df[0.615,0.087], g[1.017,0.315]
4/4 [=====] - 0s 50ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_4685.png and model_4685.h5
1/1 [=====] - 0s 82ms/step
>4686, dr[0.277,0.779], df[0.830,0.097], g[0.912,0.108]
1/1 [=====] - 0s 77ms/step
>4687, dr[0.180,0.436], df[0.614,0.099], g[1.428,0.387]
1/1 [=====] - 0s 91ms/step
>4688, dr[0.183,0.659], df[0.396,0.158], g[1.587,0.216]
1/1 [=====] - 0s 86ms/step
>4689, dr[0.327,0.511], df[0.140,0.099], g[1.700,0.160]
1/1 [=====] - 0s 84ms/step
>4690, dr[0.716,0.539], df[0.214,0.060], g[1.568,0.166]
1/1 [=====] - 0s 73ms/step
>4691, dr[0.238,0.505], df[0.613,0.144], g[1.023,0.160]
1/1 [=====] - 0s 74ms/step
>4692, dr[0.585,0.487], df[0.341,0.170], g[1.453,0.108]
1/1 [=====] - 0s 92ms/step
>4693, dr[0.391,0.543], df[0.618,0.307], g[1.685,0.123]
1/1 [=====] - 0s 73ms/step
>4694, dr[0.615,0.822], df[0.249,0.091], g[1.211,0.267]
1/1 [=====] - 0s 73ms/step
>4695, dr[0.381,0.380], df[0.279,0.115], g[1.441,0.158]
1/1 [=====] - 0s 79ms/step
>4696, dr[0.252,0.603], df[0.325,0.040], g[1.067,0.140]
1/1 [=====] - 0s 75ms/step
>4697, dr[0.387,0.535], df[0.365,0.047], g[1.022,0.136]
1/1 [=====] - 0s 80ms/step
>4698, dr[0.176,0.615], df[0.439,0.177], g[1.351,0.145]
1/1 [=====] - 0s 74ms/step
>4699, dr[0.366,0.927], df[0.398,0.183], g[1.266,0.088]
1/1 [=====] - 0s 79ms/step
```

```
>4700, dr[0.557,0.599], df[0.431,0.181], g[1.069,0.374]
1/1 [=====] - 0s 91ms/step
>4701, dr[0.316,0.513], df[0.517,0.163], g[1.457,0.099]
1/1 [=====] - 0s 88ms/step
>4702, dr[0.831,0.482], df[0.482,0.124], g[1.533,0.163]
1/1 [=====] - 0s 140ms/step
>4703, dr[0.450,0.257], df[0.342,0.056], g[1.450,0.146]
1/1 [=====] - 0s 96ms/step
>4704, dr[0.235,0.669], df[0.372,0.073], g[1.641,0.109]
1/1 [=====] - 0s 99ms/step
>4705, dr[0.257,0.701], df[0.296,0.160], g[1.611,0.122]
1/1 [=====] - 0s 120ms/step
>4706, dr[0.439,0.716], df[0.623,0.120], g[1.469,0.151]
1/1 [=====] - 0s 86ms/step
>4707, dr[0.599,0.554], df[0.250,0.077], g[1.593,0.160]
1/1 [=====] - 0s 89ms/step
>4708, dr[0.502,0.509], df[0.388,0.127], g[1.757,0.148]
1/1 [=====] - 0s 88ms/step
>4709, dr[0.463,0.943], df[0.322,0.133], g[1.684,0.146]
1/1 [=====] - 0s 85ms/step
>4710, dr[0.492,0.740], df[0.623,0.111], g[1.520,0.138]
1/1 [=====] - 0s 185ms/step
>4711, dr[0.387,0.900], df[0.736,0.199], g[1.219,0.159]
1/1 [=====] - 0s 208ms/step
>4712, dr[0.255,0.539], df[0.372,0.108], g[1.536,0.117]
1/1 [=====] - 0s 113ms/step
>4713, dr[0.599,0.611], df[0.399,0.122], g[1.975,0.167]
1/1 [=====] - 0s 219ms/step
>4714, dr[0.665,0.789], df[0.461,0.080], g[1.741,0.123]
1/1 [=====] - 0s 107ms/step
>4715, dr[0.529,0.760], df[0.340,0.214], g[1.908,0.116]
1/1 [=====] - 0s 146ms/step
>4716, dr[0.657,0.765], df[0.295,0.031], g[1.682,0.109]
1/1 [=====] - 0s 164ms/step
>4717, dr[0.584,0.369], df[0.546,0.173], g[1.520,0.210]
1/1 [=====] - 0s 231ms/step
>4718, dr[0.284,0.681], df[1.080,0.085], g[1.831,0.202]
1/1 [=====] - 0s 193ms/step
>4719, dr[0.357,0.433], df[0.320,0.060], g[1.693,0.139]
1/1 [=====] - 0s 223ms/step
>4720, dr[0.575,0.501], df[0.423,0.057], g[1.851,0.053]
1/1 [=====] - 0s 168ms/step
>4721, dr[0.415,0.426], df[0.295,0.135], g[2.038,0.092]
1/1 [=====] - 0s 126ms/step
>4722, dr[0.187,0.554], df[0.360,0.111], g[1.900,0.090]
1/1 [=====] - 0s 121ms/step
>4723, dr[0.498,0.694], df[0.339,0.212], g[1.961,0.194]
1/1 [=====] - 0s 112ms/step
>4724, dr[0.359,0.844], df[0.477,0.049], g[1.491,0.089]
1/1 [=====] - 0s 127ms/step
>4725, dr[0.262,0.171], df[0.383,0.078], g[1.722,0.060]
1/1 [=====] - 0s 286ms/step
>4726, dr[0.419,1.018], df[0.429,0.201], g[1.421,0.261]
1/1 [=====] - 0s 84ms/step
>4727, dr[0.503,0.401], df[0.772,0.190], g[1.737,0.135]
1/1 [=====] - 0s 95ms/step
>4728, dr[0.302,0.709], df[0.502,0.046], g[1.864,0.112]
1/1 [=====] - 0s 85ms/step
>4729, dr[0.450,0.382], df[0.394,0.163], g[1.617,0.175]
1/1 [=====] - 0s 105ms/step
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>4730, dr[0.321,0.399], df[0.310,0.240], g[1.692,0.074]
1/1 [=====] - 0s 78ms/step
>4731, dr[0.325,0.601], df[0.360,0.069], g[1.885,0.140]
1/1 [=====] - 0s 257ms/step
>4732, dr[0.460,0.592], df[0.317,0.054], g[1.678,0.215]
1/1 [=====] - 0s 77ms/step
>4733, dr[0.550,0.655], df[0.435,0.061], g[1.948,0.136]
1/1 [=====] - 0s 98ms/step
>4734, dr[0.425,0.682], df[0.484,0.048], g[1.502,0.229]
1/1 [=====] - 0s 91ms/step
>4735, dr[0.288,0.458], df[0.728,0.116], g[1.595,0.103]
1/1 [=====] - 0s 121ms/step
>4736, dr[0.333,0.498], df[0.205,0.032], g[2.042,0.097]
1/1 [=====] - 0s 86ms/step
>4737, dr[0.670,0.602], df[0.229,0.159], g[1.627,0.068]
1/1 [=====] - 0s 191ms/step
>4738, dr[0.409,0.787], df[0.294,0.125], g[1.624,0.098]
1/1 [=====] - 0s 89ms/step
>4739, dr[0.411,0.517], df[0.482,0.228], g[1.286,0.066]
1/1 [=====] - 0s 81ms/step
>4740, dr[0.288,0.735], df[0.740,0.072], g[1.341,0.095]
1/1 [=====] - 0s 82ms/step
>4741, dr[0.386,0.698], df[0.421,0.053], g[1.338,0.170]
1/1 [=====] - 0s 93ms/step
>4742, dr[0.201,0.551], df[0.221,0.201], g[1.472,0.209]
1/1 [=====] - 0s 86ms/step
>4743, dr[0.527,0.598], df[0.473,0.086], g[1.866,0.120]
1/1 [=====] - 0s 97ms/step
>4744, dr[0.515,0.677], df[0.480,0.221], g[1.774,0.195]
1/1 [=====] - 0s 104ms/step
>4745, dr[0.537,0.699], df[0.538,0.120], g[1.656,0.115]
1/1 [=====] - 0s 92ms/step
>4746, dr[0.361,0.626], df[0.449,0.247], g[1.555,0.115]
1/1 [=====] - 0s 79ms/step
>4747, dr[0.297,0.906], df[0.286,0.090], g[1.794,0.166]
1/1 [=====] - 0s 89ms/step
>4748, dr[0.448,0.660], df[0.219,0.103], g[1.857,0.155]
1/1 [=====] - 0s 88ms/step
>4749, dr[0.451,0.783], df[0.428,0.181], g[1.526,0.113]
1/1 [=====] - 0s 84ms/step
>4750, dr[0.345,0.628], df[0.439,0.101], g[1.488,0.175]
1/1 [=====] - 0s 86ms/step
>4751, dr[0.257,0.438], df[0.332,0.133], g[1.835,0.103]
1/1 [=====] - 0s 101ms/step
>4752, dr[0.354,0.996], df[0.372,0.114], g[1.800,0.143]
1/1 [=====] - 0s 86ms/step
>4753, dr[0.405,0.606], df[0.407,0.106], g[1.548,0.107]
1/1 [=====] - 0s 98ms/step
>4754, dr[0.415,0.843], df[0.360,0.145], g[1.538,0.082]
1/1 [=====] - 0s 91ms/step
>4755, dr[0.406,0.772], df[0.393,0.090], g[1.383,0.160]
1/1 [=====] - 0s 119ms/step
>4756, dr[0.222,0.579], df[0.478,0.033], g[1.498,0.103]
1/1 [=====] - 0s 110ms/step
>4757, dr[0.306,0.783], df[0.384,0.221], g[1.581,0.099]
1/1 [=====] - 0s 98ms/step
>4758, dr[0.337,0.833], df[0.212,0.144], g[1.525,0.262]
1/1 [=====] - 0s 87ms/step
>4759, dr[0.513,0.516], df[0.304,0.080], g[1.702,0.190]
1/1 [=====] - 0s 92ms/step
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>4760, dr[0.383,0.480], df[0.342,0.145], g[1.380,0.113]
1/1 [=====] - 0s 81ms/step
>4761, dr[0.448,0.503], df[0.273,0.085], g[1.519,0.102]
1/1 [=====] - 0s 83ms/step
>4762, dr[0.434,0.931], df[0.532,0.048], g[1.236,0.219]
1/1 [=====] - 0s 81ms/step
>4763, dr[0.133,0.516], df[0.781,0.232], g[1.577,0.121]
1/1 [=====] - 0s 84ms/step
>4764, dr[0.736,0.550], df[0.310,0.066], g[1.457,0.265]
1/1 [=====] - 0s 81ms/step
>4765, dr[0.339,0.607], df[0.560,0.052], g[1.922,0.155]
1/1 [=====] - 0s 84ms/step
>4766, dr[0.495,0.636], df[0.351,0.118], g[1.809,0.123]
1/1 [=====] - 0s 96ms/step
>4767, dr[0.583,0.395], df[0.286,0.172], g[1.806,0.124]
1/1 [=====] - 0s 91ms/step
>4768, dr[0.295,0.543], df[0.232,0.081], g[1.640,0.114]
1/1 [=====] - 0s 83ms/step
>4769, dr[0.425,0.611], df[0.393,0.137], g[1.942,0.120]
1/1 [=====] - 0s 109ms/step
>4770, dr[0.345,0.769], df[0.250,0.114], g[1.299,0.195]
1/1 [=====] - 0s 85ms/step
>4771, dr[0.350,0.692], df[0.466,0.164], g[1.817,0.190]
1/1 [=====] - 0s 78ms/step
>4772, dr[0.412,0.626], df[0.627,0.190], g[1.631,0.140]
1/1 [=====] - 0s 100ms/step
>4773, dr[0.307,0.451], df[0.420,0.142], g[2.109,0.116]
1/1 [=====] - 0s 83ms/step
>4774, dr[0.329,0.798], df[0.193,0.065], g[1.889,0.103]
1/1 [=====] - 0s 83ms/step
>4775, dr[0.639,0.559], df[0.324,0.156], g[1.765,0.241]
1/1 [=====] - 0s 94ms/step
>4776, dr[0.561,0.814], df[0.479,0.052], g[1.385,0.157]
1/1 [=====] - 0s 90ms/step
>4777, dr[0.195,0.813], df[0.523,0.131], g[1.254,0.091]
1/1 [=====] - 0s 124ms/step
>4778, dr[0.343,0.864], df[0.449,0.147], g[1.294,0.269]
1/1 [=====] - 0s 94ms/step
>4779, dr[0.380,0.744], df[0.602,0.097], g[1.394,0.170]
1/1 [=====] - 0s 91ms/step
>4780, dr[0.201,0.631], df[0.382,0.175], g[2.041,0.137]
1/1 [=====] - 0s 107ms/step
>4781, dr[0.568,0.373], df[0.306,0.077], g[1.982,0.132]
1/1 [=====] - 0s 112ms/step
>4782, dr[0.464,0.632], df[0.319,0.180], g[2.514,0.159]
1/1 [=====] - 0s 110ms/step
>4783, dr[0.325,0.463], df[0.245,0.218], g[1.582,0.121]
1/1 [=====] - 0s 98ms/step
>4784, dr[0.399,0.289], df[0.304,0.110], g[1.850,0.104]
1/1 [=====] - 0s 105ms/step
>4785, dr[0.196,0.787], df[0.336,0.088], g[1.396,0.237]
1/1 [=====] - 0s 115ms/step
>4786, dr[0.299,0.451], df[0.381,0.098], g[1.756,0.155]
1/1 [=====] - 0s 108ms/step
>4787, dr[0.459,0.603], df[0.511,0.057], g[1.329,0.212]
1/1 [=====] - 0s 105ms/step
>4788, dr[0.278,0.519], df[0.321,0.206], g[1.399,0.154]
1/1 [=====] - 0s 109ms/step
>4789, dr[0.259,0.675], df[0.325,0.099], g[1.491,0.130]
1/1 [=====] - 0s 131ms/step
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>4790, dr[0.431,0.746], df[0.598,0.106], g[1.525,0.196]
1/1 [=====] - 0s 128ms/step
>4791, dr[0.417,0.603], df[0.457,0.144], g[1.614,0.213]
1/1 [=====] - 0s 120ms/step
>4792, dr[0.194,0.391], df[0.369,0.177], g[1.706,0.139]
1/1 [=====] - 0s 124ms/step
>4793, dr[0.436,0.523], df[0.424,0.167], g[1.798,0.180]
1/1 [=====] - 0s 138ms/step
>4794, dr[0.481,0.420], df[0.227,0.095], g[1.960,0.170]
1/1 [=====] - 0s 119ms/step
>4795, dr[0.394,0.300], df[0.452,0.085], g[2.126,0.078]
1/1 [=====] - 0s 96ms/step
>4796, dr[0.610,0.423], df[0.258,0.065], g[1.512,0.099]
1/1 [=====] - 0s 105ms/step
>4797, dr[0.646,0.669], df[0.418,0.144], g[1.619,0.142]
1/1 [=====] - 0s 94ms/step
>4798, dr[0.324,0.621], df[0.570,0.234], g[1.570,0.117]
1/1 [=====] - 0s 84ms/step
>4799, dr[0.237,0.473], df[0.550,0.058], g[1.631,0.063]
1/1 [=====] - 0s 79ms/step
>4800, dr[0.464,0.500], df[0.400,0.088], g[1.633,0.175]
1/1 [=====] - 0s 86ms/step
>4801, dr[0.223,0.672], df[0.371,0.066], g[1.435,0.146]
1/1 [=====] - 0s 85ms/step
>4802, dr[0.365,0.614], df[0.367,0.150], g[1.411,0.120]
1/1 [=====] - 0s 80ms/step
>4803, dr[0.393,0.806], df[0.336,0.111], g[1.630,0.114]
1/1 [=====] - 0s 77ms/step
>4804, dr[0.268,0.334], df[0.383,0.095], g[1.767,0.302]
1/1 [=====] - 0s 83ms/step
>4805, dr[0.456,0.623], df[0.538,0.085], g[1.991,0.178]
1/1 [=====] - 0s 83ms/step
>4806, dr[0.481,0.457], df[0.345,0.127], g[1.721,0.275]
1/1 [=====] - 0s 89ms/step
>4807, dr[0.807,0.488], df[0.411,0.112], g[1.706,0.223]
1/1 [=====] - 0s 86ms/step
>4808, dr[0.371,0.467], df[0.332,0.111], g[1.311,0.263]
1/1 [=====] - 0s 79ms/step
>4809, dr[0.483,0.663], df[0.473,0.168], g[1.194,0.152]
1/1 [=====] - 0s 85ms/step
>4810, dr[0.475,0.521], df[0.370,0.109], g[1.261,0.144]
1/1 [=====] - 0s 79ms/step
>4811, dr[0.388,0.703], df[0.910,0.157], g[1.652,0.204]
1/1 [=====] - 0s 78ms/step
>4812, dr[0.251,0.273], df[0.457,0.164], g[1.474,0.093]
1/1 [=====] - 0s 98ms/step
>4813, dr[0.366,0.755], df[0.373,0.098], g[1.596,0.168]
1/1 [=====] - 0s 81ms/step
>4814, dr[0.387,0.976], df[0.457,0.165], g[1.843,0.099]
1/1 [=====] - 0s 81ms/step
>4815, dr[1.012,0.772], df[0.304,0.043], g[1.619,0.120]
1/1 [=====] - 0s 79ms/step
>4816, dr[0.589,0.640], df[0.412,0.207], g[1.725,0.133]
1/1 [=====] - 0s 83ms/step
>4817, dr[0.339,0.740], df[0.387,0.268], g[1.489,0.123]
1/1 [=====] - 0s 81ms/step
>4818, dr[0.476,0.846], df[0.453,0.071], g[1.439,0.315]
1/1 [=====] - 0s 72ms/step
>4819, dr[0.333,1.036], df[0.491,0.289], g[1.211,0.133]
1/1 [=====] - 0s 72ms/step
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>4820, dr[0.184,1.215], df[0.477,0.039], g[1.862,0.107]
1/1 [=====] - 0s 85ms/step
>4821, dr[0.263,0.609], df[0.337,0.090], g[1.716,0.114]
1/1 [=====] - 0s 74ms/step
>4822, dr[0.523,0.563], df[0.547,0.098], g[1.958,0.124]
1/1 [=====] - 0s 79ms/step
>4823, dr[0.662,0.694], df[0.282,0.065], g[1.677,0.181]
1/1 [=====] - 0s 73ms/step
>4824, dr[0.340,0.715], df[0.309,0.099], g[1.691,0.291]
1/1 [=====] - 0s 79ms/step
>4825, dr[0.523,0.500], df[0.834,0.148], g[1.772,0.125]
1/1 [=====] - 0s 87ms/step
>4826, dr[0.582,0.758], df[0.548,0.192], g[1.674,0.144]
1/1 [=====] - 0s 75ms/step
>4827, dr[0.334,0.563], df[0.349,0.130], g[1.693,0.168]
1/1 [=====] - 0s 86ms/step
>4828, dr[0.369,0.355], df[0.404,0.093], g[1.692,0.120]
1/1 [=====] - 0s 73ms/step
>4829, dr[0.442,1.082], df[0.392,0.133], g[1.828,0.174]
1/1 [=====] - 0s 73ms/step
>4830, dr[0.520,0.542], df[0.421,0.166], g[1.890,0.121]
1/1 [=====] - 0s 84ms/step
>4831, dr[0.400,0.424], df[0.325,0.132], g[1.906,0.090]
1/1 [=====] - 0s 77ms/step
>4832, dr[0.364,0.604], df[0.667,0.071], g[1.919,0.118]
1/1 [=====] - 0s 75ms/step
>4833, dr[0.392,0.489], df[0.227,0.078], g[2.127,0.177]
1/1 [=====] - 0s 84ms/step
>4834, dr[0.479,0.687], df[0.340,0.176], g[2.121,0.148]
1/1 [=====] - 0s 74ms/step
>4835, dr[0.450,0.641], df[0.426,0.104], g[2.386,0.092]
1/1 [=====] - 0s 80ms/step
>4836, dr[0.470,0.339], df[0.386,0.063], g[1.948,0.142]
1/1 [=====] - 0s 79ms/step
>4837, dr[0.364,0.497], df[0.412,0.061], g[1.848,0.174]
1/1 [=====] - 0s 75ms/step
>4838, dr[0.216,0.587], df[0.476,0.208], g[1.566,0.174]
1/1 [=====] - 0s 80ms/step
>4839, dr[0.314,0.627], df[0.183,0.107], g[2.168,0.115]
1/1 [=====] - 0s 74ms/step
>4840, dr[0.563,1.004], df[0.367,0.087], g[1.978,0.136]
1/1 [=====] - 0s 86ms/step
>4841, dr[0.348,0.443], df[0.340,0.040], g[1.706,0.090]
1/1 [=====] - 0s 79ms/step
>4842, dr[0.329,0.968], df[0.681,0.138], g[1.778,0.177]
1/1 [=====] - 0s 82ms/step
>4843, dr[0.349,0.830], df[0.259,0.118], g[1.469,0.261]
1/1 [=====] - 0s 84ms/step
>4844, dr[0.288,0.882], df[0.340,0.071], g[1.666,0.125]
1/1 [=====] - 0s 83ms/step
>4845, dr[0.363,0.707], df[0.380,0.125], g[1.860,0.168]
1/1 [=====] - 0s 75ms/step
>4846, dr[0.283,0.978], df[0.323,0.105], g[1.877,0.158]
1/1 [=====] - 0s 76ms/step
>4847, dr[0.492,0.568], df[0.348,0.188], g[1.771,0.107]
1/1 [=====] - 0s 75ms/step
>4848, dr[0.393,0.266], df[0.432,0.148], g[1.581,0.226]
1/1 [=====] - 0s 75ms/step
>4849, dr[0.301,0.821], df[0.447,0.124], g[1.721,0.142]
1/1 [=====] - 0s 74ms/step
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>4850, dr[0.204,0.733], df[0.391,0.103], g[1.616,0.086]
1/1 [=====] - 0s 84ms/step
>4851, dr[0.622,0.730], df[0.433,0.178], g[1.525,0.090]
1/1 [=====] - 0s 78ms/step
>4852, dr[0.327,0.867], df[0.549,0.124], g[2.095,0.074]
1/1 [=====] - 0s 74ms/step
>4853, dr[0.323,0.779], df[0.303,0.112], g[1.770,0.085]
1/1 [=====] - 0s 76ms/step
>4854, dr[0.225,0.853], df[0.216,0.066], g[1.937,0.127]
1/1 [=====] - 0s 74ms/step
>4855, dr[0.284,0.419], df[0.288,0.124], g[1.582,0.163]
1/1 [=====] - 0s 84ms/step
>4856, dr[0.305,0.624], df[0.299,0.063], g[2.066,0.207]
1/1 [=====] - 0s 92ms/step
>4857, dr[0.394,0.626], df[0.324,0.170], g[2.259,0.133]
1/1 [=====] - 0s 75ms/step
>4858, dr[0.489,0.681], df[0.341,0.097], g[2.393,0.123]
1/1 [=====] - 0s 106ms/step
>4859, dr[0.281,0.869], df[0.522,0.109], g[1.961,0.100]
1/1 [=====] - 0s 81ms/step
>4860, dr[0.450,0.403], df[0.199,0.128], g[1.821,0.149]
1/1 [=====] - 0s 74ms/step
>4861, dr[0.375,0.906], df[0.398,0.111], g[1.782,0.169]
1/1 [=====] - 0s 79ms/step
>4862, dr[0.308,0.978], df[0.225,0.114], g[1.745,0.152]
1/1 [=====] - 0s 75ms/step
>4863, dr[0.268,0.588], df[0.899,0.163], g[1.832,0.246]
1/1 [=====] - 0s 79ms/step
>4864, dr[0.218,0.818], df[0.230,0.150], g[1.952,0.094]
1/1 [=====] - 0s 73ms/step
>4865, dr[0.739,0.583], df[0.320,0.111], g[1.936,0.115]
1/1 [=====] - 0s 76ms/step
>4866, dr[0.733,0.690], df[0.295,0.093], g[1.379,0.134]
1/1 [=====] - 0s 76ms/step
>4867, dr[0.325,0.438], df[0.604,0.108], g[1.558,0.177]
1/1 [=====] - 0s 76ms/step
>4868, dr[0.409,0.821], df[0.385,0.184], g[1.437,0.127]
1/1 [=====] - 0s 129ms/step
>4869, dr[0.123,0.575], df[0.999,0.178], g[1.661,0.136]
1/1 [=====] - 0s 76ms/step
>4870, dr[0.266,0.499], df[0.376,0.137], g[1.930,0.112]
1/1 [=====] - 0s 91ms/step
>4871, dr[0.567,0.418], df[0.399,0.133], g[2.131,0.123]
1/1 [=====] - 0s 80ms/step
>4872, dr[0.477,0.550], df[0.287,0.089], g[2.531,0.133]
1/1 [=====] - 0s 75ms/step
>4873, dr[0.976,0.402], df[0.160,0.061], g[2.038,0.197]
1/1 [=====] - 0s 79ms/step
>4874, dr[0.410,0.516], df[0.253,0.088], g[1.989,0.097]
1/1 [=====] - 0s 85ms/step
>4875, dr[0.253,0.412], df[0.245,0.135], g[1.947,0.066]
1/1 [=====] - 0s 75ms/step
>4876, dr[0.260,0.916], df[0.465,0.042], g[1.648,0.192]
1/1 [=====] - 0s 81ms/step
>4877, dr[0.209,0.494], df[0.434,0.190], g[1.661,0.075]
1/1 [=====] - 0s 81ms/step
>4878, dr[0.304,0.755], df[0.490,0.115], g[1.372,0.103]
1/1 [=====] - 0s 73ms/step
>4879, dr[0.250,0.849], df[0.732,0.127], g[1.772,0.056]
1/1 [=====] - 0s 80ms/step
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>4880, dr[0.397,0.325], df[0.470,0.081], g[2.206,0.180]
1/1 [=====] - 0s 79ms/step
>4881, dr[0.354,0.608], df[0.408,0.101], g[2.357,0.093]
1/1 [=====] - 0s 90ms/step
>4882, dr[0.813,0.670], df[0.294,0.116], g[2.318,0.084]
1/1 [=====] - 0s 73ms/step
>4883, dr[0.551,0.662], df[0.300,0.207], g[2.096,0.123]
1/1 [=====] - 0s 73ms/step
>4884, dr[0.545,0.585], df[0.530,0.129], g[1.791,0.228]
1/1 [=====] - 0s 79ms/step
>4885, dr[0.506,0.870], df[0.367,0.095], g[1.749,0.093]
1/1 [=====] - 0s 73ms/step
>4886, dr[0.336,0.858], df[0.700,0.074], g[1.556,0.141]
1/1 [=====] - 0s 80ms/step
>4887, dr[0.153,0.553], df[0.587,0.125], g[1.924,0.149]
1/1 [=====] - 0s 78ms/step
>4888, dr[0.379,0.533], df[0.298,0.191], g[1.972,0.101]
1/1 [=====] - 0s 75ms/step
>4889, dr[0.464,0.654], df[0.282,0.057], g[2.371,0.119]
1/1 [=====] - 0s 81ms/step
>4890, dr[0.437,0.624], df[0.321,0.086], g[2.066,0.203]
1/1 [=====] - 0s 75ms/step
>4891, dr[0.277,0.698], df[0.174,0.111], g[1.952,0.131]
1/1 [=====] - 0s 82ms/step
>4892, dr[0.652,0.933], df[0.402,0.058], g[1.749,0.126]
1/1 [=====] - 0s 74ms/step
>4893, dr[0.205,0.829], df[0.340,0.099], g[1.853,0.085]
1/1 [=====] - 0s 75ms/step
>4894, dr[0.371,0.601], df[0.228,0.092], g[1.841,0.168]
1/1 [=====] - 0s 75ms/step
>4895, dr[0.237,0.497], df[0.530,0.064], g[1.601,0.146]
1/1 [=====] - 0s 75ms/step
>4896, dr[0.436,0.881], df[0.472,0.222], g[1.539,0.115]
1/1 [=====] - 0s 83ms/step
>4897, dr[0.212,0.301], df[0.472,0.124], g[1.701,0.138]
1/1 [=====] - 0s 77ms/step
>4898, dr[0.283,0.995], df[0.235,0.025], g[1.760,0.149]
1/1 [=====] - 0s 80ms/step
>4899, dr[0.340,0.598], df[0.392,0.054], g[2.026,0.128]
1/1 [=====] - 0s 72ms/step
>4900, dr[0.420,0.605], df[0.387,0.131], g[1.911,0.133]
1/1 [=====] - 0s 73ms/step
>4901, dr[0.401,0.187], df[0.272,0.075], g[1.778,0.146]
1/1 [=====] - 0s 75ms/step
>4902, dr[0.349,0.687], df[0.628,0.252], g[2.146,0.069]
1/1 [=====] - 0s 85ms/step
>4903, dr[0.524,0.336], df[0.383,0.172], g[2.028,0.149]
1/1 [=====] - 0s 83ms/step
>4904, dr[0.566,0.669], df[0.290,0.107], g[1.612,0.058]
1/1 [=====] - 0s 75ms/step
>4905, dr[0.238,0.353], df[0.561,0.064], g[1.531,0.119]
1/1 [=====] - 0s 76ms/step
>4906, dr[0.300,0.588], df[0.334,0.123], g[1.587,0.161]
1/1 [=====] - 0s 80ms/step
>4907, dr[0.496,0.534], df[0.380,0.126], g[1.643,0.106]
1/1 [=====] - 0s 88ms/step
>4908, dr[0.288,0.468], df[0.230,0.040], g[1.793,0.153]
1/1 [=====] - 0s 80ms/step
>4909, dr[0.319,0.791], df[0.330,0.137], g[1.928,0.153]
1/1 [=====] - 0s 80ms/step
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>4910, dr[0.419,0.387], df[0.201,0.112], g[1.680,0.170]
1/1 [=====] - 0s 79ms/step
>4911, dr[0.371,0.629], df[0.423,0.150], g[1.713,0.124]
1/1 [=====] - 0s 75ms/step
>4912, dr[0.211,0.805], df[0.336,0.114], g[1.503,0.159]
1/1 [=====] - 0s 82ms/step
>4913, dr[0.228,0.512], df[0.418,0.092], g[1.601,0.071]
1/1 [=====] - 0s 79ms/step
>4914, dr[0.508,0.388], df[0.332,0.106], g[1.494,0.082]
1/1 [=====] - 0s 75ms/step
>4915, dr[0.169,0.658], df[0.352,0.109], g[1.607,0.202]
1/1 [=====] - 0s 73ms/step
>4916, dr[0.324,0.403], df[0.369,0.143], g[1.913,0.105]
1/1 [=====] - 0s 79ms/step
>4917, dr[0.433,0.637], df[0.262,0.091], g[1.852,0.094]
1/1 [=====] - 0s 82ms/step
>4918, dr[0.529,0.744], df[0.350,0.161], g[1.901,0.089]
1/1 [=====] - 0s 74ms/step
>4919, dr[0.569,0.450], df[0.518,0.109], g[1.142,0.148]
1/1 [=====] - 0s 78ms/step
>4920, dr[0.317,0.576], df[0.624,0.143], g[1.041,0.157]
1/1 [=====] - 0s 77ms/step
>4921, dr[0.482,0.285], df[0.515,0.082], g[1.421,0.116]
1/1 [=====] - 0s 75ms/step
>4922, dr[0.194,0.347], df[0.472,0.083], g[1.120,0.079]
1/1 [=====] - 0s 84ms/step
>4923, dr[0.213,0.464], df[0.455,0.077], g[1.320,0.093]
1/1 [=====] - 0s 84ms/step
>4924, dr[0.314,0.691], df[0.281,0.172], g[1.098,0.097]
1/1 [=====] - 0s 80ms/step
>4925, dr[0.501,0.601], df[0.335,0.276], g[1.701,0.106]
1/1 [=====] - 0s 84ms/step
>4926, dr[0.383,0.728], df[0.357,0.162], g[1.342,0.137]
1/1 [=====] - 0s 74ms/step
>4927, dr[0.428,0.376], df[0.326,0.117], g[1.473,0.087]
1/1 [=====] - 0s 102ms/step
>4928, dr[0.574,0.645], df[0.362,0.071], g[1.776,0.244]
1/1 [=====] - 0s 73ms/step
>4929, dr[0.321,0.440], df[0.188,0.037], g[1.630,0.208]
1/1 [=====] - 0s 74ms/step
>4930, dr[0.473,0.770], df[0.680,0.211], g[0.885,0.131]
1/1 [=====] - 0s 74ms/step
>4931, dr[0.297,0.441], df[0.580,0.077], g[0.927,0.124]
1/1 [=====] - 0s 72ms/step
>4932, dr[0.159,0.958], df[0.280,0.150], g[1.128,0.145]
1/1 [=====] - 0s 80ms/step
>4933, dr[0.352,0.742], df[0.295,0.102], g[1.419,0.192]
1/1 [=====] - 0s 77ms/step
>4934, dr[0.375,0.343], df[0.465,0.081], g[1.616,0.053]
1/1 [=====] - 0s 80ms/step
>4935, dr[0.592,0.468], df[0.286,0.192], g[1.719,0.108]
1/1 [=====] - 0s 74ms/step
>4936, dr[0.424,0.746], df[0.286,0.195], g[1.430,0.053]
1/1 [=====] - 0s 73ms/step
>4937, dr[0.259,0.443], df[0.455,0.063], g[1.149,0.106]
1/1 [=====] - 0s 82ms/step
>4938, dr[0.190,0.682], df[0.271,0.113], g[1.301,0.158]
1/1 [=====] - 0s 76ms/step
>4939, dr[0.393,0.881], df[0.339,0.113], g[1.538,0.144]
1/1 [=====] - 0s 79ms/step
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>4940, dr[0.486,0.604], df[0.287,0.056], g[1.255,0.162]
1/1 [=====] - 0s 73ms/step
>4941, dr[0.421,0.453], df[0.326,0.122], g[0.858,0.222]
1/1 [=====] - 0s 75ms/step
>4942, dr[0.308,0.812], df[0.434,0.072], g[1.124,0.181]
1/1 [=====] - 0s 77ms/step
>4943, dr[0.752,0.459], df[0.580,0.116], g[1.155,0.141]
1/1 [=====] - 0s 79ms/step
>4944, dr[0.418,1.084], df[0.477,0.128], g[0.988,0.098]
1/1 [=====] - 0s 122ms/step
>4945, dr[0.409,0.650], df[0.429,0.094], g[1.199,0.201]
1/1 [=====] - 0s 80ms/step
>4946, dr[0.399,0.568], df[0.601,0.068], g[0.885,0.126]
1/1 [=====] - 0s 74ms/step
>4947, dr[0.209,0.648], df[0.219,0.152], g[1.105,0.129]
1/1 [=====] - 0s 81ms/step
>4948, dr[0.312,0.686], df[0.282,0.158], g[1.129,0.135]
1/1 [=====] - 0s 81ms/step
>4949, dr[0.343,0.646], df[0.278,0.193], g[1.476,0.084]
1/1 [=====] - 0s 83ms/step
>4950, dr[0.310,0.587], df[0.454,0.165], g[1.332,0.111]
1/1 [=====] - 0s 77ms/step
>4951, dr[0.225,0.788], df[0.301,0.054], g[1.220,0.182]
1/1 [=====] - 0s 77ms/step
>4952, dr[0.847,0.624], df[0.357,0.082], g[1.047,0.204]
1/1 [=====] - 0s 83ms/step
>4953, dr[1.144,0.279], df[0.424,0.140], g[0.822,0.204]
1/1 [=====] - 0s 78ms/step
>4954, dr[0.401,0.785], df[0.575,0.227], g[0.579,0.238]
1/1 [=====] - 0s 82ms/step
>4955, dr[0.128,0.496], df[0.628,0.153], g[0.557,0.205]
1/1 [=====] - 0s 91ms/step
>4956, dr[0.254,0.468], df[0.457,0.187], g[0.700,0.097]
1/1 [=====] - 0s 79ms/step
>4957, dr[0.354,0.668], df[0.665,0.121], g[0.954,0.131]
1/1 [=====] - 0s 85ms/step
>4958, dr[0.295,0.468], df[0.457,0.142], g[1.090,0.098]
1/1 [=====] - 0s 84ms/step
>4959, dr[0.595,0.736], df[0.344,0.172], g[1.127,0.122]
1/1 [=====] - 0s 78ms/step
>4960, dr[0.539,0.900], df[0.304,0.138], g[1.163,0.166]
1/1 [=====] - 0s 85ms/step
>4961, dr[0.732,0.545], df[0.306,0.103], g[1.134,0.117]
1/1 [=====] - 0s 78ms/step
>4962, dr[0.322,0.576], df[0.344,0.170], g[0.879,0.211]
1/1 [=====] - 0s 83ms/step
>4963, dr[0.574,0.975], df[0.440,0.139], g[0.675,0.075]
1/1 [=====] - 0s 76ms/step
>4964, dr[0.460,0.665], df[0.790,0.112], g[0.632,0.184]
1/1 [=====] - 0s 81ms/step
>4965, dr[0.308,0.359], df[0.524,0.033], g[0.704,0.210]
1/1 [=====] - 0s 80ms/step
>4966, dr[0.348,0.671], df[0.595,0.070], g[0.828,0.179]
1/1 [=====] - 0s 77ms/step
>4967, dr[0.342,0.835], df[0.533,0.149], g[0.648,0.226]
1/1 [=====] - 0s 89ms/step
>4968, dr[0.364,0.478], df[0.575,0.422], g[1.205,0.165]
1/1 [=====] - 0s 94ms/step
>4969, dr[0.418,0.546], df[0.234,0.192], g[1.182,0.119]
1/1 [=====] - 0s 76ms/step
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>4970, dr[0.492,0.669], df[0.231,0.074], g[0.873,0.212]
1/1 [=====] - 0s 77ms/step
>4971, dr[0.510,0.892], df[0.480,0.112], g[1.255,0.204]
1/1 [=====] - 0s 74ms/step
>4972, dr[0.550,0.926], df[0.526,0.115], g[1.386,0.089]
1/1 [=====] - 0s 73ms/step
>4973, dr[0.550,0.444], df[0.223,0.053], g[0.937,0.218]
1/1 [=====] - 0s 75ms/step
>4974, dr[0.581,0.630], df[0.455,0.132], g[0.784,0.179]
1/1 [=====] - 0s 93ms/step
>4975, dr[0.483,0.634], df[0.524,0.119], g[0.931,0.090]
1/1 [=====] - 0s 81ms/step
>4976, dr[0.278,0.540], df[0.663,0.265], g[1.097,0.191]
1/1 [=====] - 0s 74ms/step
>4977, dr[0.237,0.896], df[0.475,0.077], g[1.096,0.101]
1/1 [=====] - 0s 79ms/step
>4978, dr[0.319,0.365], df[0.589,0.064], g[1.070,0.095]
1/1 [=====] - 0s 72ms/step
>4979, dr[0.497,0.439], df[0.530,0.216], g[1.066,0.116]
1/1 [=====] - 0s 73ms/step
>4980, dr[0.620,0.680], df[0.265,0.041], g[1.545,0.160]
1/1 [=====] - 0s 75ms/step
>4981, dr[0.396,0.705], df[0.150,0.079], g[0.998,0.172]
1/1 [=====] - 0s 78ms/step
>4982, dr[0.531,0.578], df[0.368,0.158], g[1.351,0.184]
1/1 [=====] - 0s 86ms/step
>4983, dr[0.356,0.485], df[0.637,0.160], g[1.237,0.187]
1/1 [=====] - 0s 73ms/step
>4984, dr[0.495,0.365], df[0.651,0.241], g[0.959,0.140]
1/1 [=====] - 0s 81ms/step
>4985, dr[0.339,0.190], df[0.438,0.048], g[1.293,0.146]
1/1 [=====] - 0s 74ms/step
>4986, dr[0.357,0.627], df[0.361,0.133], g[1.092,0.210]
1/1 [=====] - 0s 75ms/step
>4987, dr[0.261,0.629], df[0.317,0.168], g[0.961,0.134]
1/1 [=====] - 0s 71ms/step
>4988, dr[0.537,0.570], df[0.447,0.114], g[1.684,0.153]
1/1 [=====] - 0s 75ms/step
>4989, dr[0.387,0.692], df[0.293,0.066], g[1.190,0.218]
1/1 [=====] - 0s 79ms/step
>4990, dr[0.402,0.380], df[0.611,0.090], g[1.456,0.147]
1/1 [=====] - 0s 71ms/step
>4991, dr[0.239,0.468], df[0.349,0.053], g[1.474,0.181]
1/1 [=====] - 0s 77ms/step
>4992, dr[0.277,0.505], df[0.275,0.163], g[1.572,0.112]
1/1 [=====] - 0s 74ms/step
>4993, dr[0.522,0.393], df[0.325,0.198], g[1.539,0.172]
1/1 [=====] - 0s 72ms/step
>4994, dr[0.342,0.778], df[0.442,0.091], g[1.595,0.171]
1/1 [=====] - 0s 75ms/step
>4995, dr[0.524,0.743], df[0.254,0.104], g[1.561,0.095]
1/1 [=====] - 0s 84ms/step
>4996, dr[0.307,0.795], df[0.346,0.056], g[1.541,0.181]
1/1 [=====] - 0s 79ms/step
>4997, dr[0.290,0.448], df[0.333,0.048], g[1.635,0.147]
1/1 [=====] - 0s 72ms/step
>4998, dr[0.379,1.175], df[0.281,0.141], g[1.148,0.209]
1/1 [=====] - 0s 72ms/step
>4999, dr[0.329,0.543], df[0.337,0.139], g[1.285,0.193]
1/1 [=====] - 0s 76ms/step
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>5000, dr[0.198,0.590], df[0.380,0.112], g[1.373,0.106]
1/1 [=====] - 0s 76ms/step
>5001, dr[0.204,0.596], df[0.242,0.130], g[1.251,0.173]
1/1 [=====] - 0s 79ms/step
>5002, dr[0.279,0.381], df[0.403,0.111], g[1.409,0.236]
1/1 [=====] - 0s 71ms/step
>5003, dr[0.315,0.905], df[0.347,0.050], g[1.357,0.161]
1/1 [=====] - 0s 79ms/step
>5004, dr[0.487,0.700], df[0.421,0.160], g[1.223,0.199]
1/1 [=====] - 0s 72ms/step
>5005, dr[0.849,0.963], df[0.394,0.066], g[1.290,0.103]
1/1 [=====] - 0s 72ms/step
>5006, dr[0.393,0.356], df[0.521,0.151], g[1.430,0.102]
1/1 [=====] - 0s 78ms/step
>5007, dr[0.408,0.726], df[0.231,0.068], g[1.178,0.160]
1/1 [=====] - 0s 75ms/step
>5008, dr[0.395,0.826], df[0.438,0.156], g[1.386,0.084]
1/1 [=====] - 0s 82ms/step
>5009, dr[0.270,0.545], df[0.564,0.142], g[1.119,0.085]
1/1 [=====] - 0s 72ms/step
>5010, dr[0.292,0.408], df[0.458,0.121], g[1.241,0.090]
1/1 [=====] - 0s 74ms/step
>5011, dr[0.404,0.614], df[0.391,0.099], g[1.371,0.210]
1/1 [=====] - 0s 72ms/step
>5012, dr[0.403,0.533], df[0.495,0.096], g[1.244,0.205]
1/1 [=====] - 0s 77ms/step
>5013, dr[0.386,0.822], df[0.219,0.107], g[1.452,0.137]
1/1 [=====] - 0s 82ms/step
>5014, dr[0.663,0.806], df[0.425,0.162], g[1.702,0.147]
1/1 [=====] - 0s 75ms/step
>5015, dr[0.618,0.631], df[0.350,0.146], g[1.212,0.162]
1/1 [=====] - 0s 80ms/step
>5016, dr[0.310,0.563], df[0.340,0.082], g[1.260,0.204]
1/1 [=====] - 0s 76ms/step
>5017, dr[0.419,0.953], df[0.422,0.112], g[0.984,0.203]
1/1 [=====] - 0s 75ms/step
>5018, dr[0.557,0.732], df[0.273,0.062], g[1.208,0.138]
1/1 [=====] - 0s 78ms/step
>5019, dr[0.434,0.931], df[0.489,0.168], g[1.282,0.161]
1/1 [=====] - 0s 82ms/step
>5020, dr[0.207,0.581], df[0.763,0.122], g[1.187,0.293]
1/1 [=====] - 0s 83ms/step
>5021, dr[0.211,0.508], df[0.247,0.191], g[1.380,0.109]
1/1 [=====] - 0s 75ms/step
>5022, dr[0.397,0.433], df[0.492,0.085], g[1.030,0.122]
1/1 [=====] - 0s 72ms/step
>5023, dr[0.306,0.303], df[0.320,0.055], g[1.202,0.076]
1/1 [=====] - 0s 73ms/step
>5024, dr[0.248,0.704], df[0.489,0.068], g[1.180,0.151]
1/1 [=====] - 0s 73ms/step
>5025, dr[0.378,0.484], df[0.483,0.136], g[1.490,0.210]
1/1 [=====] - 0s 90ms/step
>5026, dr[0.273,0.320], df[0.326,0.083], g[1.582,0.244]
1/1 [=====] - 0s 77ms/step
>5027, dr[0.525,0.924], df[0.271,0.088], g[1.526,0.102]
1/1 [=====] - 0s 78ms/step
>5028, dr[0.427,0.667], df[0.296,0.039], g[1.685,0.256]
1/1 [=====] - 0s 73ms/step
>5029, dr[0.762,0.390], df[0.261,0.068], g[1.366,0.163]
1/1 [=====] - 0s 72ms/step
```

```
>5030, dr[0.248,0.538], df[0.522,0.072], g[1.632,0.182]
1/1 [=====] - 0s 84ms/step
>5031, dr[0.369,0.509], df[0.300,0.077], g[1.582,0.181]
1/1 [=====] - 0s 73ms/step
>5032, dr[0.483,0.904], df[0.514,0.102], g[1.298,0.264]
1/1 [=====] - 0s 81ms/step
>5033, dr[0.312,0.543], df[0.441,0.081], g[1.287,0.127]
1/1 [=====] - 0s 76ms/step
>5034, dr[0.445,0.518], df[0.446,0.054], g[1.548,0.183]
1/1 [=====] - 0s 72ms/step
>5035, dr[0.232,0.274], df[0.392,0.084], g[1.554,0.146]
1/1 [=====] - 0s 73ms/step
>5036, dr[0.272,0.741], df[0.333,0.053], g[1.839,0.095]
1/1 [=====] - 0s 79ms/step
>5037, dr[0.502,0.672], df[0.438,0.100], g[2.128,0.253]
1/1 [=====] - 0s 94ms/step
>5038, dr[0.504,0.883], df[0.358,0.076], g[1.916,0.105]
1/1 [=====] - 0s 80ms/step
>5039, dr[0.361,0.444], df[0.284,0.061], g[1.845,0.163]
1/1 [=====] - 0s 76ms/step
>5040, dr[0.411,0.619], df[0.597,0.147], g[1.325,0.120]
1/1 [=====] - 0s 70ms/step
>5041, dr[0.272,0.222], df[0.323,0.063], g[1.584,0.139]
1/1 [=====] - 0s 74ms/step
>5042, dr[0.355,0.305], df[0.268,0.150], g[2.116,0.169]
1/1 [=====] - 0s 80ms/step
>5043, dr[0.424,0.665], df[0.186,0.081], g[1.490,0.132]
1/1 [=====] - 0s 80ms/step
>5044, dr[0.486,0.329], df[0.608,0.251], g[1.482,0.154]
1/1 [=====] - 0s 78ms/step
>5045, dr[0.279,0.369], df[0.379,0.043], g[1.592,0.103]
1/1 [=====] - 0s 78ms/step
>5046, dr[0.285,0.500], df[0.421,0.074], g[1.763,0.133]
1/1 [=====] - 0s 83ms/step
>5047, dr[0.256,0.145], df[0.605,0.179], g[1.731,0.146]
1/1 [=====] - 0s 74ms/step
>5048, dr[0.405,0.566], df[0.287,0.118], g[1.935,0.102]
1/1 [=====] - 0s 79ms/step
>5049, dr[0.346,0.735], df[0.283,0.054], g[1.861,0.200]
1/1 [=====] - 0s 79ms/step
>5050, dr[0.534,0.213], df[0.334,0.046], g[1.602,0.083]
1/1 [=====] - 0s 72ms/step
>5051, dr[0.430,0.639], df[0.472,0.108], g[1.724,0.131]
1/1 [=====] - 0s 76ms/step
>5052, dr[0.405,0.815], df[0.464,0.105], g[1.522,0.157]
1/1 [=====] - 0s 72ms/step
>5053, dr[0.329,0.698], df[0.339,0.082], g[1.714,0.112]
1/1 [=====] - 0s 75ms/step
>5054, dr[0.298,0.305], df[0.529,0.049], g[1.555,0.139]
1/1 [=====] - 0s 76ms/step
>5055, dr[0.320,0.556], df[0.343,0.111], g[1.815,0.190]
1/1 [=====] - 0s 72ms/step
>5056, dr[0.675,0.710], df[0.283,0.104], g[1.208,0.162]
1/1 [=====] - 0s 78ms/step
>5057, dr[0.539,0.563], df[0.383,0.171], g[1.648,0.100]
1/1 [=====] - 0s 72ms/step
>5058, dr[0.468,0.704], df[0.393,0.119], g[1.288,0.213]
1/1 [=====] - 0s 82ms/step
>5059, dr[0.310,0.477], df[0.482,0.134], g[1.068,0.206]
1/1 [=====] - 0s 72ms/step
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>5060, dr[0.192,0.509], df[0.441,0.160], g[1.351,0.147]
1/1 [=====] - 0s 73ms/step
>5061, dr[0.266,0.506], df[0.392,0.125], g[1.730,0.170]
1/1 [=====] - 0s 78ms/step
>5062, dr[0.378,0.668], df[0.450,0.099], g[1.502,0.184]
1/1 [=====] - 0s 75ms/step
>5063, dr[0.392,0.251], df[0.251,0.044], g[1.635,0.096]
1/1 [=====] - 0s 84ms/step
>5064, dr[0.462,0.543], df[0.288,0.133], g[1.730,0.178]
1/1 [=====] - 0s 74ms/step
>5065, dr[0.361,0.779], df[0.285,0.089], g[1.411,0.147]
1/1 [=====] - 0s 82ms/step
>5066, dr[0.147,1.020], df[0.482,0.134], g[1.514,0.130]
1/1 [=====] - 0s 73ms/step
>5067, dr[0.377,0.567], df[0.626,0.159], g[1.633,0.129]
1/1 [=====] - 0s 72ms/step
>5068, dr[0.327,0.989], df[0.313,0.077], g[1.485,0.085]
1/1 [=====] - 0s 79ms/step
>5069, dr[0.500,0.576], df[0.379,0.131], g[1.831,0.113]
1/1 [=====] - 0s 82ms/step
>5070, dr[0.470,0.437], df[0.201,0.070], g[1.223,0.167]
1/1 [=====] - 0s 81ms/step
>5071, dr[0.344,0.619], df[0.300,0.060], g[1.891,0.287]
1/1 [=====] - 0s 72ms/step
>5072, dr[0.404,0.748], df[0.323,0.154], g[1.832,0.107]
1/1 [=====] - 0s 74ms/step
>5073, dr[0.208,0.562], df[0.324,0.097], g[1.119,0.131]
1/1 [=====] - 0s 71ms/step
>5074, dr[0.364,0.908], df[0.326,0.115], g[1.347,0.190]
1/1 [=====] - 0s 71ms/step
>5075, dr[0.226,0.412], df[0.470,0.134], g[1.372,0.263]
1/1 [=====] - 0s 97ms/step
>5076, dr[0.441,0.672], df[0.286,0.041], g[1.369,0.158]
1/1 [=====] - 0s 92ms/step
>5077, dr[0.507,0.832], df[0.245,0.127], g[1.342,0.212]
1/1 [=====] - 0s 78ms/step
>5078, dr[0.356,0.679], df[0.455,0.283], g[1.302,0.272]
1/1 [=====] - 0s 77ms/step
>5079, dr[0.327,0.837], df[0.511,0.138], g[1.285,0.147]
1/1 [=====] - 0s 76ms/step
>5080, dr[0.146,0.687], df[0.506,0.070], g[1.408,0.168]
1/1 [=====] - 0s 86ms/step
>5081, dr[0.271,0.417], df[0.606,0.269], g[1.425,0.077]
1/1 [=====] - 0s 78ms/step
>5082, dr[0.504,0.820], df[0.329,0.146], g[1.688,0.169]
1/1 [=====] - 0s 79ms/step
>5083, dr[0.356,0.299], df[0.376,0.087], g[1.788,0.161]
1/1 [=====] - 0s 72ms/step
>5084, dr[0.693,0.898], df[0.395,0.088], g[1.520,0.207]
1/1 [=====] - 0s 74ms/step
>5085, dr[0.422,0.358], df[0.540,0.270], g[1.651,0.149]
1/1 [=====] - 0s 85ms/step
>5086, dr[0.625,0.562], df[0.386,0.078], g[1.485,0.201]
1/1 [=====] - 0s 78ms/step
>5087, dr[0.394,0.737], df[0.332,0.050], g[1.614,0.123]
1/1 [=====] - 0s 87ms/step
>5088, dr[0.320,0.733], df[0.623,0.171], g[1.833,0.199]
1/1 [=====] - 0s 87ms/step
>5089, dr[0.310,0.463], df[0.398,0.161], g[1.282,0.134]
1/1 [=====] - 0s 101ms/step
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>5090, dr[0.282,0.381], df[0.680,0.173], g[1.678,0.106]
1/1 [=====] - 0s 87ms/step
>5091, dr[0.569,0.442], df[0.323,0.123], g[1.456,0.084]
1/1 [=====] - 0s 81ms/step
>5092, dr[0.446,0.496], df[0.283,0.070], g[1.523,0.089]
1/1 [=====] - 0s 71ms/step
>5093, dr[0.514,0.429], df[0.279,0.041], g[1.818,0.173]
1/1 [=====] - 0s 73ms/step
>5094, dr[0.557,0.735], df[0.556,0.149], g[1.123,0.219]
1/1 [=====] - 0s 85ms/step
>5095, dr[0.268,0.615], df[0.513,0.056], g[1.052,0.158]
1/1 [=====] - 0s 83ms/step
>5096, dr[0.503,0.712], df[0.644,0.122], g[1.334,0.129]
1/1 [=====] - 0s 75ms/step
>5097, dr[0.338,0.642], df[0.741,0.182], g[1.375,0.132]
1/1 [=====] - 0s 75ms/step
>5098, dr[0.388,0.516], df[0.425,0.066], g[1.738,0.113]
1/1 [=====] - 0s 71ms/step
>5099, dr[0.414,0.622], df[0.379,0.195], g[1.866,0.115]
1/1 [=====] - 0s 73ms/step
>5100, dr[0.415,0.384], df[0.476,0.183], g[1.579,0.183]
1/1 [=====] - 0s 76ms/step
>5101, dr[0.508,0.404], df[0.394,0.171], g[1.595,0.118]
1/1 [=====] - 0s 71ms/step
>5102, dr[0.672,0.589], df[0.352,0.076], g[1.522,0.143]
1/1 [=====] - 0s 79ms/step
>5103, dr[0.612,0.458], df[0.379,0.142], g[1.695,0.103]
1/1 [=====] - 0s 90ms/step
>5104, dr[0.659,0.617], df[0.340,0.054], g[1.223,0.173]
1/1 [=====] - 0s 80ms/step
>5105, dr[0.489,0.650], df[0.772,0.221], g[1.341,0.119]
1/1 [=====] - 0s 74ms/step
>5106, dr[0.480,0.630], df[0.822,0.127], g[0.998,0.140]
1/1 [=====] - 0s 73ms/step
>5107, dr[0.349,0.652], df[0.834,0.133], g[1.229,0.114]
1/1 [=====] - 0s 99ms/step
>5108, dr[0.370,0.661], df[0.514,0.130], g[1.425,0.161]
1/1 [=====] - 0s 102ms/step
>5109, dr[0.329,0.743], df[0.472,0.052], g[1.658,0.146]
1/1 [=====] - 0s 100ms/step
>5110, dr[0.439,0.560], df[0.351,0.088], g[1.527,0.156]
1/1 [=====] - 0s 87ms/step
>5111, dr[0.400,0.698], df[0.266,0.108], g[1.566,0.148]
1/1 [=====] - 0s 79ms/step
>5112, dr[0.531,0.569], df[0.360,0.102], g[1.550,0.132]
1/1 [=====] - 0s 74ms/step
>5113, dr[0.326,0.892], df[0.467,0.159], g[1.988,0.121]
1/1 [=====] - 0s 73ms/step
>5114, dr[0.525,0.907], df[0.231,0.081], g[1.732,0.136]
1/1 [=====] - 0s 78ms/step
>5115, dr[0.585,0.267], df[0.342,0.072], g[1.495,0.109]
1/1 [=====] - 0s 85ms/step
>5116, dr[0.507,0.722], df[0.442,0.160], g[1.329,0.146]
1/1 [=====] - 0s 73ms/step
>5117, dr[0.297,0.522], df[0.451,0.185], g[1.603,0.148]
1/1 [=====] - 0s 80ms/step
>5118, dr[0.265,0.536], df[0.591,0.102], g[1.273,0.150]
1/1 [=====] - 0s 73ms/step
>5119, dr[0.385,0.376], df[0.357,0.065], g[1.703,0.179]
1/1 [=====] - 0s 77ms/step
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>5120, dr[0.421,0.443], df[0.645,0.169], g[1.419,0.175]
1/1 [=====] - 0s 74ms/step
>5121, dr[0.398,0.906], df[0.432,0.120], g[1.726,0.157]
1/1 [=====] - 0s 82ms/step
>5122, dr[0.349,0.592], df[0.383,0.065], g[2.041,0.114]
1/1 [=====] - 0s 79ms/step
>5123, dr[0.209,0.583], df[0.317,0.204], g[2.269,0.088]
1/1 [=====] - 0s 77ms/step
>5124, dr[0.944,1.025], df[0.396,0.128], g[2.226,0.104]
1/1 [=====] - 0s 71ms/step
>5125, dr[0.428,0.862], df[0.328,0.132], g[1.686,0.178]
1/1 [=====] - 0s 71ms/step
>5126, dr[0.423,0.841], df[0.430,0.082], g[1.819,0.138]
1/1 [=====] - 0s 73ms/step
>5127, dr[0.419,0.569], df[0.325,0.073], g[1.591,0.152]
1/1 [=====] - 0s 80ms/step
>5128, dr[0.278,0.908], df[0.519,0.161], g[1.718,0.122]
1/1 [=====] - 0s 93ms/step
>5129, dr[0.306,0.538], df[0.764,0.140], g[1.893,0.237]
1/1 [=====] - 0s 79ms/step
>5130, dr[0.240,0.459], df[0.226,0.065], g[1.488,0.237]
1/1 [=====] - 0s 80ms/step
>5131, dr[0.416,1.063], df[0.732,0.124], g[2.204,0.150]
1/1 [=====] - 0s 78ms/step
>5132, dr[0.410,0.562], df[0.412,0.149], g[2.420,0.224]
1/1 [=====] - 0s 86ms/step
>5133, dr[0.349,0.682], df[0.329,0.193], g[2.266,0.221]
1/1 [=====] - 0s 86ms/step
>5134, dr[0.457,0.522], df[0.308,0.125], g[2.332,0.247]
1/1 [=====] - 0s 77ms/step
>5135, dr[0.475,0.411], df[0.287,0.328], g[1.768,0.261]
1/1 [=====] - 0s 75ms/step
>5136, dr[0.447,0.304], df[0.249,0.192], g[2.189,0.223]
1/1 [=====] - 0s 81ms/step
>5137, dr[0.339,0.890], df[0.555,0.090], g[1.753,0.152]
1/1 [=====] - 0s 97ms/step
>5138, dr[0.347,0.616], df[0.300,0.226], g[1.936,0.220]
1/1 [=====] - 0s 82ms/step
>5139, dr[0.373,0.604], df[0.349,0.206], g[1.610,0.164]
1/1 [=====] - 0s 118ms/step
>5140, dr[0.339,0.392], df[0.498,0.107], g[1.594,0.207]
1/1 [=====] - 0s 87ms/step
>5141, dr[0.307,0.751], df[0.310,0.057], g[1.665,0.157]
1/1 [=====] - 0s 106ms/step
>5142, dr[0.504,0.567], df[0.383,0.171], g[1.797,0.246]
1/1 [=====] - 0s 85ms/step
>5143, dr[0.327,0.376], df[0.520,0.172], g[1.834,0.129]
1/1 [=====] - 0s 88ms/step
>5144, dr[0.439,0.672], df[0.617,0.141], g[1.713,0.107]
1/1 [=====] - 0s 79ms/step
>5145, dr[0.522,0.310], df[0.426,0.137], g[1.796,0.142]
1/1 [=====] - 0s 84ms/step
>5146, dr[0.389,0.741], df[0.394,0.259], g[1.894,0.144]
1/1 [=====] - 0s 80ms/step
>5147, dr[0.479,0.440], df[0.444,0.108], g[1.852,0.163]
1/1 [=====] - 0s 82ms/step
>5148, dr[0.386,0.755], df[0.329,0.071], g[2.079,0.137]
1/1 [=====] - 0s 91ms/step
>5149, dr[0.470,0.678], df[0.258,0.051], g[1.866,0.140]
1/1 [=====] - 0s 77ms/step
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>5150, dr[0.566,0.528], df[0.265,0.068], g[1.852,0.157]
1/1 [=====] - 0s 75ms/step
>5151, dr[0.435,0.781], df[0.336,0.176], g[1.418,0.126]
1/1 [=====] - 0s 90ms/step
>5152, dr[0.329,0.348], df[0.512,0.088], g[1.292,0.150]
1/1 [=====] - 0s 78ms/step
>5153, dr[0.552,0.259], df[0.557,0.140], g[1.405,0.136]
1/1 [=====] - 0s 87ms/step
>5154, dr[0.240,0.748], df[0.684,0.138], g[1.535,0.096]
1/1 [=====] - 0s 86ms/step
>5155, dr[0.463,0.627], df[0.688,0.135], g[1.488,0.158]
1/1 [=====] - 0s 91ms/step
>5156, dr[0.411,0.550], df[0.299,0.113], g[1.820,0.145]
1/1 [=====] - 0s 95ms/step
>5157, dr[0.517,0.956], df[0.605,0.168], g[2.182,0.176]
1/1 [=====] - 0s 82ms/step
>5158, dr[0.412,1.140], df[0.339,0.120], g[1.804,0.114]
1/1 [=====] - 0s 97ms/step
>5159, dr[0.604,0.711], df[0.250,0.175], g[1.952,0.117]
1/1 [=====] - 0s 91ms/step
>5160, dr[0.385,0.414], df[0.406,0.151], g[1.443,0.077]
1/1 [=====] - 0s 88ms/step
>5161, dr[0.369,0.724], df[0.464,0.098], g[1.651,0.147]
1/1 [=====] - 0s 86ms/step
>5162, dr[0.201,0.818], df[0.563,0.055], g[1.415,0.117]
1/1 [=====] - 0s 89ms/step
>5163, dr[0.344,0.786], df[0.452,0.079], g[1.837,0.109]
1/1 [=====] - 0s 82ms/step
>5164, dr[0.264,0.776], df[0.281,0.064], g[1.726,0.133]
1/1 [=====] - 0s 81ms/step
>5165, dr[0.453,0.468], df[0.217,0.114], g[1.218,0.149]
1/1 [=====] - 0s 78ms/step
>5166, dr[0.191,0.495], df[0.458,0.146], g[1.582,0.079]
1/1 [=====] - 0s 77ms/step
>5167, dr[0.310,0.505], df[0.422,0.047], g[2.041,0.136]
1/1 [=====] - 0s 86ms/step
>5168, dr[0.613,0.739], df[0.389,0.230], g[1.739,0.122]
1/1 [=====] - 0s 79ms/step
>5169, dr[0.394,0.579], df[0.450,0.128], g[1.644,0.078]
1/1 [=====] - 0s 79ms/step
>5170, dr[0.391,0.724], df[0.343,0.124], g[1.401,0.205]
1/1 [=====] - 0s 82ms/step
>5171, dr[0.316,0.460], df[0.400,0.103], g[1.514,0.057]
1/1 [=====] - 0s 90ms/step
>5172, dr[0.317,0.334], df[0.684,0.106], g[1.430,0.099]
1/1 [=====] - 0s 84ms/step
>5173, dr[0.426,0.423], df[0.445,0.052], g[1.666,0.063]
1/1 [=====] - 0s 89ms/step
>5174, dr[0.621,0.514], df[0.555,0.099], g[1.559,0.139]
1/1 [=====] - 0s 82ms/step
>5175, dr[0.857,1.109], df[0.446,0.146], g[1.821,0.098]
1/1 [=====] - 0s 84ms/step
>5176, dr[0.426,0.758], df[0.306,0.151], g[1.471,0.083]
1/1 [=====] - 0s 75ms/step
>5177, dr[0.543,0.634], df[0.199,0.094], g[1.665,0.222]
1/1 [=====] - 0s 88ms/step
>5178, dr[0.373,0.652], df[0.330,0.066], g[1.312,0.199]
1/1 [=====] - 0s 81ms/step
>5179, dr[0.226,0.511], df[0.713,0.142], g[1.129,0.080]
1/1 [=====] - 0s 79ms/step
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>5180, dr[0.293,0.532], df[0.826,0.121], g[1.358,0.134]
1/1 [=====] - 0s 96ms/step
>5181, dr[0.537,0.552], df[0.341,0.239], g[1.427,0.091]
1/1 [=====] - 0s 78ms/step
>5182, dr[0.400,0.396], df[0.354,0.160], g[1.573,0.152]
1/1 [=====] - 0s 76ms/step
>5183, dr[0.760,0.560], df[0.381,0.084], g[1.786,0.184]
1/1 [=====] - 0s 81ms/step
>5184, dr[0.455,0.446], df[0.455,0.110], g[1.591,0.120]
1/1 [=====] - 0s 82ms/step
>5185, dr[0.386,0.620], df[0.448,0.096], g[1.300,0.088]
1/1 [=====] - 0s 82ms/step
>5186, dr[0.508,0.994], df[0.319,0.106], g[1.171,0.172]
1/1 [=====] - 0s 87ms/step
>5187, dr[0.187,0.420], df[0.461,0.135], g[1.217,0.064]
1/1 [=====] - 0s 88ms/step
>5188, dr[0.415,0.500], df[0.374,0.085], g[1.020,0.111]
1/1 [=====] - 0s 85ms/step
>5189, dr[0.295,0.621], df[0.599,0.169], g[1.675,0.138]
1/1 [=====] - 0s 85ms/step
>5190, dr[0.341,0.610], df[0.566,0.142], g[1.504,0.071]
1/1 [=====] - 0s 78ms/step
>5191, dr[0.350,0.478], df[0.502,0.064], g[1.868,0.216]
1/1 [=====] - 0s 85ms/step
>5192, dr[0.619,0.713], df[0.356,0.060], g[1.854,0.087]
1/1 [=====] - 0s 77ms/step
>5193, dr[0.670,0.566], df[0.254,0.092], g[1.653,0.083]
1/1 [=====] - 0s 83ms/step
>5194, dr[0.420,0.530], df[0.443,0.119], g[1.421,0.127]
1/1 [=====] - 0s 88ms/step
>5195, dr[0.493,0.653], df[0.229,0.071], g[1.684,0.133]
1/1 [=====] - 0s 78ms/step
>5196, dr[0.472,0.320], df[0.461,0.190], g[1.456,0.092]
1/1 [=====] - 0s 80ms/step
>5197, dr[0.252,0.651], df[0.536,0.081], g[1.198,0.148]
1/1 [=====] - 0s 81ms/step
>5198, dr[0.281,0.545], df[0.524,0.077], g[1.346,0.073]
1/1 [=====] - 0s 85ms/step
>5199, dr[0.214,0.343], df[0.260,0.093], g[1.348,0.200]
1/1 [=====] - 0s 85ms/step
>5200, dr[0.379,0.675], df[0.250,0.177], g[1.733,0.102]
1/1 [=====] - 0s 77ms/step
>5201, dr[0.493,0.462], df[0.322,0.043], g[1.628,0.091]
1/1 [=====] - 0s 84ms/step
>5202, dr[0.404,0.589], df[0.434,0.127], g[1.499,0.131]
1/1 [=====] - 0s 81ms/step
>5203, dr[0.506,0.627], df[0.538,0.066], g[1.350,0.140]
1/1 [=====] - 0s 85ms/step
>5204, dr[0.337,1.093], df[0.380,0.068], g[1.331,0.098]
1/1 [=====] - 0s 80ms/step
>5205, dr[0.254,0.407], df[0.334,0.163], g[1.186,0.103]
1/1 [=====] - 0s 80ms/step
>5206, dr[0.200,0.505], df[0.322,0.110], g[1.344,0.150]
1/1 [=====] - 0s 83ms/step
>5207, dr[0.271,0.806], df[0.461,0.097], g[1.447,0.114]
1/1 [=====] - 0s 87ms/step
>5208, dr[0.313,0.441], df[0.313,0.144], g[1.325,0.134]
1/1 [=====] - 0s 74ms/step
>5209, dr[0.360,0.584], df[0.316,0.275], g[1.253,0.148]
1/1 [=====] - 0s 82ms/step
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>5210, dr[0.442,0.643], df[0.273,0.144], g[1.577,0.111]
1/1 [=====] - 0s 87ms/step
>5211, dr[0.381,0.528], df[0.420,0.178], g[1.522,0.202]
1/1 [=====] - 0s 87ms/step
>5212, dr[0.329,0.623], df[0.424,0.168], g[1.401,0.116]
1/1 [=====] - 0s 85ms/step
>5213, dr[0.294,0.645], df[0.212,0.092], g[1.430,0.169]
1/1 [=====] - 0s 90ms/step
>5214, dr[0.496,0.762], df[0.458,0.083], g[1.619,0.142]
1/1 [=====] - 0s 84ms/step
>5215, dr[0.430,0.478], df[0.276,0.104], g[1.162,0.128]
1/1 [=====] - 0s 85ms/step
>5216, dr[0.314,1.170], df[0.424,0.239], g[1.520,0.162]
1/1 [=====] - 0s 85ms/step
>5217, dr[0.273,0.597], df[0.363,0.145], g[1.353,0.226]
1/1 [=====] - 0s 76ms/step
>5218, dr[0.459,0.571], df[0.344,0.197], g[1.603,0.117]
1/1 [=====] - 0s 88ms/step
>5219, dr[0.505,0.377], df[0.657,0.170], g[1.166,0.219]
1/1 [=====] - 0s 76ms/step
>5220, dr[0.447,0.655], df[0.269,0.139], g[1.190,0.160]
1/1 [=====] - 0s 82ms/step
>5221, dr[0.431,0.987], df[0.421,0.091], g[1.347,0.130]
1/1 [=====] - 0s 73ms/step
>5222, dr[0.258,0.836], df[0.565,0.113], g[1.360,0.191]
1/1 [=====] - 0s 72ms/step
>5223, dr[0.731,0.442], df[0.312,0.088], g[1.180,0.184]
1/1 [=====] - 0s 82ms/step
>5224, dr[0.509,0.816], df[0.352,0.170], g[0.850,0.111]
1/1 [=====] - 0s 73ms/step
>5225, dr[0.451,0.372], df[0.569,0.102], g[0.816,0.255]
1/1 [=====] - 0s 81ms/step
>5226, dr[0.484,0.770], df[0.692,0.076], g[1.171,0.200]
1/1 [=====] - 0s 78ms/step
>5227, dr[0.254,0.408], df[0.363,0.118], g[1.176,0.129]
1/1 [=====] - 0s 74ms/step
>5228, dr[0.398,0.428], df[0.360,0.127], g[1.246,0.170]
1/1 [=====] - 0s 73ms/step
>5229, dr[0.792,0.859], df[0.426,0.082], g[1.326,0.135]
1/1 [=====] - 0s 75ms/step
>5230, dr[0.530,0.420], df[0.341,0.133], g[1.043,0.294]
1/1 [=====] - 0s 82ms/step
>5231, dr[0.299,0.782], df[0.535,0.121], g[1.335,0.119]
1/1 [=====] - 0s 71ms/step
>5232, dr[0.293,0.583], df[0.630,0.109], g[1.254,0.192]
1/1 [=====] - 0s 80ms/step
>5233, dr[0.460,0.488], df[0.830,0.166], g[1.229,0.132]
1/1 [=====] - 0s 78ms/step
>5234, dr[0.679,1.267], df[0.462,0.166], g[1.373,0.238]
1/1 [=====] - 0s 74ms/step
>5235, dr[0.564,0.593], df[0.258,0.128], g[1.597,0.169]
1/1 [=====] - 0s 81ms/step
>5236, dr[0.313,0.451], df[0.264,0.104], g[2.011,0.307]
1/1 [=====] - 0s 80ms/step
>5237, dr[0.534,0.679], df[0.342,0.176], g[1.736,0.200]
1/1 [=====] - 0s 96ms/step
>5238, dr[0.698,1.376], df[0.371,0.143], g[1.868,0.204]
1/1 [=====] - 0s 82ms/step
>5239, dr[0.387,0.522], df[0.642,0.110], g[1.461,0.129]
1/1 [=====] - 0s 89ms/step
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>5240, dr[0.425,0.480], df[0.408,0.215], g[1.444,0.305]
1/1 [=====] - 0s 83ms/step
>5241, dr[0.271,0.472], df[0.406,0.128], g[1.271,0.112]
1/1 [=====] - 0s 75ms/step
>5242, dr[0.720,0.927], df[0.982,0.176], g[1.215,0.178]
1/1 [=====] - 0s 74ms/step
>5243, dr[0.237,0.644], df[0.564,0.198], g[1.403,0.241]
1/1 [=====] - 0s 80ms/step
>5244, dr[0.215,0.532], df[0.582,0.118], g[1.681,0.184]
1/1 [=====] - 0s 82ms/step
>5245, dr[0.374,0.364], df[0.348,0.078], g[1.819,0.185]
1/1 [=====] - 0s 80ms/step
>5246, dr[0.367,0.423], df[0.251,0.089], g[2.446,0.258]
1/1 [=====] - 0s 89ms/step
>5247, dr[0.747,0.674], df[0.207,0.103], g[2.284,0.083]
1/1 [=====] - 0s 116ms/step
>5248, dr[0.726,0.594], df[0.260,0.069], g[1.756,0.129]
1/1 [=====] - 0s 84ms/step
>5249, dr[0.634,0.551], df[0.428,0.063], g[1.268,0.168]
1/1 [=====] - 0s 77ms/step
>5250, dr[0.255,0.470], df[0.729,0.118], g[1.072,0.489]
1/1 [=====] - 0s 80ms/step
>5251, dr[0.247,0.858], df[0.809,0.122], g[1.316,0.140]
1/1 [=====] - 0s 82ms/step
>5252, dr[0.201,0.642], df[0.476,0.095], g[1.586,0.231]
1/1 [=====] - 0s 77ms/step
>5253, dr[0.860,0.754], df[0.288,0.109], g[1.660,0.134]
1/1 [=====] - 0s 80ms/step
>5254, dr[0.557,0.465], df[0.278,0.122], g[1.153,0.083]
1/1 [=====] - 0s 72ms/step
>5255, dr[0.642,0.362], df[0.379,0.122], g[1.165,0.223]
1/1 [=====] - 0s 77ms/step
>5256, dr[0.623,0.555], df[0.747,0.058], g[1.041,0.159]
1/1 [=====] - 0s 72ms/step
>5257, dr[0.335,0.530], df[0.587,0.074], g[1.103,0.248]
1/1 [=====] - 0s 75ms/step
>5258, dr[0.429,0.562], df[0.960,0.111], g[0.912,0.201]
1/1 [=====] - 0s 77ms/step
>5259, dr[0.615,0.805], df[0.475,0.116], g[1.033,0.156]
1/1 [=====] - 0s 76ms/step
>5260, dr[0.315,0.407], df[0.392,0.145], g[1.062,0.108]
1/1 [=====] - 0s 88ms/step
>5261, dr[0.781,0.625], df[0.409,0.037], g[0.897,0.100]
1/1 [=====] - 0s 73ms/step
>5262, dr[0.421,0.770], df[0.371,0.209], g[0.932,0.281]
1/1 [=====] - 0s 75ms/step
>5263, dr[0.306,0.378], df[0.303,0.144], g[1.332,0.086]
1/1 [=====] - 0s 113ms/step
>5264, dr[0.457,0.465], df[0.544,0.139], g[1.470,0.134]
1/1 [=====] - 0s 96ms/step
>5265, dr[0.438,0.760], df[0.323,0.065], g[1.104,0.171]
1/1 [=====] - 0s 91ms/step
>5266, dr[0.607,0.321], df[0.369,0.165], g[0.864,0.147]
1/1 [=====] - 0s 102ms/step
>5267, dr[0.608,0.599], df[0.479,0.105], g[0.795,0.113]
1/1 [=====] - 0s 101ms/step
>5268, dr[0.366,0.811], df[0.325,0.045], g[0.727,0.119]
1/1 [=====] - 0s 105ms/step
>5269, dr[0.196,0.609], df[0.798,0.072], g[0.855,0.197]
1/1 [=====] - 0s 74ms/step
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>5270, dr[0.260,0.737], df[0.549,0.177], g[0.687,0.119]
1/1 [=====] - 0s 79ms/step
>5271, dr[0.343,0.714], df[0.553,0.055], g[1.459,0.138]
1/1 [=====] - 0s 81ms/step
>5272, dr[0.649,0.456], df[0.375,0.126], g[1.383,0.118]
1/1 [=====] - 0s 106ms/step
>5273, dr[0.455,0.484], df[0.167,0.060], g[1.573,0.114]
1/1 [=====] - 0s 85ms/step
>5274, dr[0.999,0.558], df[0.394,0.098], g[1.133,0.168]
1/1 [=====] - 0s 72ms/step
>5275, dr[0.557,0.715], df[0.262,0.138], g[0.926,0.106]
1/1 [=====] - 0s 81ms/step
>5276, dr[0.340,0.793], df[0.564,0.216], g[0.620,0.118]
1/1 [=====] - 0s 72ms/step
>5277, dr[0.239,0.524], df[0.637,0.113], g[0.731,0.210]
1/1 [=====] - 0s 72ms/step
>5278, dr[0.241,0.763], df[0.503,0.077], g[0.821,0.168]
1/1 [=====] - 0s 75ms/step
>5279, dr[0.377,0.836], df[0.513,0.178], g[1.049,0.170]
1/1 [=====] - 0s 71ms/step
>5280, dr[0.578,0.456], df[0.618,0.125], g[1.121,0.156]
1/1 [=====] - 0s 78ms/step
>5281, dr[0.492,0.639], df[0.484,0.129], g[1.367,0.132]
1/1 [=====] - 0s 73ms/step
>5282, dr[0.691,0.807], df[0.401,0.233], g[1.274,0.184]
1/1 [=====] - 0s 78ms/step
>5283, dr[0.476,0.381], df[0.532,0.121], g[1.283,0.193]
1/1 [=====] - 0s 73ms/step
>5284, dr[0.449,0.851], df[0.528,0.151], g[1.163,0.186]
1/1 [=====] - 0s 84ms/step
>5285, dr[0.543,0.580], df[0.343,0.260], g[1.055,0.091]
1/1 [=====] - 0s 72ms/step
>5286, dr[0.648,0.768], df[0.872,0.086], g[1.047,0.161]
1/1 [=====] - 0s 71ms/step
>5287, dr[0.574,0.752], df[0.405,0.118], g[1.004,0.099]
1/1 [=====] - 0s 89ms/step
>5288, dr[0.387,0.439], df[0.819,0.049], g[1.402,0.144]
1/1 [=====] - 0s 87ms/step
>5289, dr[0.631,0.621], df[0.589,0.101], g[1.311,0.210]
1/1 [=====] - 0s 79ms/step
>5290, dr[0.397,0.175], df[0.402,0.151], g[1.467,0.220]
1/1 [=====] - 0s 86ms/step
>5291, dr[0.619,0.572], df[0.318,0.134], g[1.173,0.212]
1/1 [=====] - 0s 87ms/step
>5292, dr[0.695,0.540], df[0.480,0.117], g[1.413,0.170]
1/1 [=====] - 0s 75ms/step
>5293, dr[0.461,0.814], df[0.493,0.233], g[1.365,0.168]
1/1 [=====] - 0s 72ms/step
>5294, dr[0.592,0.658], df[0.470,0.124], g[1.204,0.214]
1/1 [=====] - 0s 71ms/step
>5295, dr[0.475,0.786], df[0.478,0.073], g[1.114,0.215]
1/1 [=====] - 0s 75ms/step
>5296, dr[0.328,0.553], df[0.551,0.130], g[1.149,0.184]
1/1 [=====] - 0s 76ms/step
>5297, dr[0.302,0.775], df[0.620,0.085], g[1.313,0.188]
1/1 [=====] - 0s 77ms/step
>5298, dr[0.525,0.726], df[0.573,0.134], g[1.451,0.093]
1/1 [=====] - 0s 73ms/step
>5299, dr[0.593,0.460], df[0.345,0.152], g[1.671,0.215]
1/1 [=====] - 0s 79ms/step
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>5300, dr[0.433,0.470], df[0.537,0.141], g[1.601,0.135]
1/1 [=====] - 0s 75ms/step
>5301, dr[0.352,0.660], df[0.491,0.148], g[1.481,0.162]
1/1 [=====] - 0s 73ms/step
>5302, dr[0.598,0.551], df[0.578,0.145], g[2.138,0.100]
1/1 [=====] - 0s 84ms/step
>5303, dr[0.642,0.835], df[0.448,0.051], g[1.541,0.244]
1/1 [=====] - 0s 71ms/step
>5304, dr[0.585,0.408], df[0.562,0.049], g[1.579,0.140]
1/1 [=====] - 0s 77ms/step
>5305, dr[0.520,0.574], df[0.483,0.065], g[1.849,0.116]
1/1 [=====] - 0s 72ms/step
>5306, dr[0.482,0.519], df[0.328,0.206], g[1.628,0.094]
1/1 [=====] - 0s 73ms/step
>5307, dr[0.453,0.779], df[0.270,0.029], g[1.331,0.248]
1/1 [=====] - 0s 83ms/step
>5308, dr[0.619,0.753], df[0.624,0.061], g[1.300,0.098]
1/1 [=====] - 0s 77ms/step
>5309, dr[0.169,0.513], df[0.591,0.150], g[1.229,0.092]
1/1 [=====] - 0s 79ms/step
>5310, dr[0.376,0.491], df[0.408,0.155], g[1.546,0.145]
1/1 [=====] - 0s 79ms/step
>5311, dr[0.333,0.506], df[0.439,0.087], g[1.784,0.140]
1/1 [=====] - 0s 77ms/step
>5312, dr[0.445,0.636], df[0.426,0.083], g[1.441,0.116]
1/1 [=====] - 0s 80ms/step
>5313, dr[0.516,0.809], df[0.486,0.148], g[1.655,0.141]
1/1 [=====] - 0s 75ms/step
>5314, dr[0.466,0.503], df[0.394,0.148], g[2.058,0.087]
1/1 [=====] - 0s 80ms/step
>5315, dr[0.451,0.470], df[0.574,0.053], g[1.516,0.150]
1/1 [=====] - 0s 74ms/step
>5316, dr[0.237,0.329], df[0.827,0.207], g[1.670,0.181]
1/1 [=====] - 0s 77ms/step
>5317, dr[0.429,1.134], df[0.347,0.182], g[2.074,0.129]
1/1 [=====] - 0s 82ms/step
>5318, dr[0.500,0.252], df[0.344,0.080], g[1.940,0.108]
1/1 [=====] - 0s 76ms/step
>5319, dr[0.479,0.565], df[0.241,0.038], g[1.782,0.144]
1/1 [=====] - 0s 82ms/step
>5320, dr[0.858,0.350], df[0.325,0.114], g[1.922,0.195]
1/1 [=====] - 0s 73ms/step
>5321, dr[0.410,0.458], df[0.464,0.089], g[1.628,0.130]
1/1 [=====] - 0s 75ms/step
>5322, dr[0.390,0.555], df[0.589,0.134], g[1.270,0.151]
1/1 [=====] - 0s 80ms/step
>5323, dr[0.440,0.372], df[0.473,0.139], g[1.334,0.177]
1/1 [=====] - 0s 72ms/step
>5324, dr[0.369,0.858], df[0.456,0.209], g[1.337,0.180]
1/1 [=====] - 0s 80ms/step
>5325, dr[0.350,0.743], df[0.477,0.123], g[1.244,0.168]
1/1 [=====] - 0s 72ms/step
>5326, dr[0.248,0.764], df[0.652,0.204], g[1.254,0.104]
1/1 [=====] - 0s 74ms/step
>5327, dr[0.331,0.832], df[0.494,0.217], g[1.704,0.243]
1/1 [=====] - 0s 75ms/step
>5328, dr[0.386,0.782], df[0.269,0.059], g[1.622,0.199]
1/1 [=====] - 0s 79ms/step
>5329, dr[0.438,0.655], df[0.434,0.298], g[1.525,0.161]
1/1 [=====] - 0s 79ms/step
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>5330, dr[0.328,0.378], df[0.388,0.178], g[1.822,0.264]
1/1 [=====] - 0s 75ms/step
>5331, dr[0.385,0.779], df[0.423,0.228], g[2.016,0.172]
1/1 [=====] - 0s 86ms/step
>5332, dr[0.506,0.610], df[0.263,0.154], g[1.783,0.092]
1/1 [=====] - 0s 73ms/step
>5333, dr[0.471,0.663], df[0.368,0.078], g[1.833,0.144]
1/1 [=====] - 0s 75ms/step
>5334, dr[0.447,0.742], df[0.520,0.209], g[1.381,0.116]
1/1 [=====] - 0s 84ms/step
>5335, dr[0.381,0.505], df[0.473,0.199], g[1.800,0.266]
1/1 [=====] - 0s 82ms/step
>5336, dr[0.408,0.662], df[0.501,0.129], g[1.525,0.200]
1/1 [=====] - 0s 82ms/step
>5337, dr[0.370,0.303], df[0.391,0.086], g[1.770,0.111]
1/1 [=====] - 0s 72ms/step
>5338, dr[0.462,0.628], df[0.315,0.104], g[1.498,0.073]
1/1 [=====] - 0s 74ms/step
>5339, dr[0.539,0.690], df[0.350,0.128], g[1.623,0.114]
1/1 [=====] - 0s 81ms/step
>5340, dr[0.445,0.445], df[0.314,0.060], g[1.445,0.195]
1/1 [=====] - 0s 74ms/step
>5341, dr[0.304,0.604], df[0.417,0.163], g[1.437,0.145]
1/1 [=====] - 0s 79ms/step
>5342, dr[0.524,0.397], df[0.694,0.106], g[1.150,0.087]
1/1 [=====] - 0s 73ms/step
>5343, dr[0.364,0.541], df[0.505,0.125], g[1.343,0.086]
1/1 [=====] - 0s 74ms/step
>5344, dr[0.285,0.343], df[0.472,0.147], g[1.372,0.154]
1/1 [=====] - 0s 74ms/step
>5345, dr[0.302,0.458], df[0.552,0.135], g[1.539,0.150]
1/1 [=====] - 0s 73ms/step
>5346, dr[0.457,0.461], df[0.458,0.118], g[1.865,0.060]
1/1 [=====] - 0s 81ms/step
>5347, dr[0.510,0.497], df[0.379,0.137], g[2.074,0.113]
1/1 [=====] - 0s 75ms/step
>5348, dr[0.633,0.850], df[0.286,0.118], g[1.922,0.134]
1/1 [=====] - 0s 84ms/step
>5349, dr[0.776,0.504], df[0.309,0.239], g[1.523,0.202]
1/1 [=====] - 0s 77ms/step
>5350, dr[0.338,0.354], df[0.346,0.096], g[1.326,0.086]
1/1 [=====] - 0s 76ms/step
>5351, dr[0.340,0.227], df[0.739,0.105], g[1.215,0.094]
1/1 [=====] - 0s 76ms/step
>5352, dr[0.362,0.471], df[0.527,0.080], g[1.108,0.141]
1/1 [=====] - 0s 81ms/step
>5353, dr[0.391,0.773], df[0.336,0.180], g[1.578,0.153]
1/1 [=====] - 0s 77ms/step
>5354, dr[0.357,0.490], df[0.427,0.240], g[1.244,0.146]
1/1 [=====] - 0s 73ms/step
>5355, dr[0.372,0.455], df[0.830,0.116], g[1.483,0.139]
1/1 [=====] - 0s 74ms/step
>5356, dr[0.299,0.492], df[0.529,0.057], g[1.686,0.083]
1/1 [=====] - 0s 82ms/step
>5357, dr[0.457,0.928], df[0.297,0.206], g[1.460,0.055]
1/1 [=====] - 0s 74ms/step
>5358, dr[0.510,0.541], df[0.502,0.070], g[1.730,0.082]
1/1 [=====] - 0s 95ms/step
>5359, dr[0.804,0.645], df[0.359,0.097], g[1.667,0.075]
1/1 [=====] - 0s 83ms/step
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>5360, dr[0.500,0.390], df[0.683,0.289], g[1.396,0.088]
1/1 [=====] - 0s 92ms/step
>5361, dr[0.522,0.342], df[0.304,0.146], g[1.356,0.118]
1/1 [=====] - 0s 82ms/step
>5362, dr[0.417,0.647], df[0.687,0.236], g[1.222,0.056]
1/1 [=====] - 0s 75ms/step
>5363, dr[0.339,0.821], df[0.536,0.160], g[1.349,0.098]
1/1 [=====] - 0s 88ms/step
>5364, dr[0.520,0.588], df[0.569,0.237], g[1.593,0.103]
1/1 [=====] - 0s 73ms/step
>5365, dr[0.889,0.560], df[0.835,0.084], g[1.421,0.149]
1/1 [=====] - 0s 77ms/step
>5366, dr[0.352,0.399], df[0.651,0.106], g[1.382,0.123]
1/1 [=====] - 0s 79ms/step
>5367, dr[0.333,0.612], df[0.607,0.127], g[1.581,0.077]
1/1 [=====] - 0s 72ms/step
>5368, dr[0.363,0.246], df[0.330,0.050], g[1.640,0.163]
1/1 [=====] - 0s 79ms/step
>5369, dr[0.365,0.530], df[0.413,0.102], g[1.616,0.161]
1/1 [=====] - 0s 71ms/step
>5370, dr[0.433,0.427], df[0.385,0.110], g[1.379,0.171]
1/1 [=====] - 0s 73ms/step
>5371, dr[0.640,0.486], df[0.366,0.081], g[1.604,0.099]
1/1 [=====] - 0s 76ms/step
>5372, dr[0.454,0.471], df[0.425,0.214], g[1.290,0.343]
1/1 [=====] - 0s 88ms/step
>5373, dr[0.269,0.702], df[0.401,0.076], g[1.185,0.215]
1/1 [=====] - 0s 80ms/step
>5374, dr[0.415,0.748], df[0.769,0.093], g[1.210,0.332]
1/1 [=====] - 0s 77ms/step
>5375, dr[0.430,0.741], df[0.570,0.153], g[1.332,0.104]
1/1 [=====] - 0s 72ms/step
>5376, dr[0.285,0.988], df[0.426,0.256], g[1.635,0.092]
1/1 [=====] - 0s 74ms/step
>5377, dr[0.332,0.447], df[0.608,0.237], g[1.555,0.087]
1/1 [=====] - 0s 79ms/step
>5378, dr[0.601,0.779], df[0.304,0.064], g[1.607,0.066]
1/1 [=====] - 0s 88ms/step
>5379, dr[0.305,1.019], df[0.285,0.050], g[1.732,0.084]
1/1 [=====] - 0s 73ms/step
>5380, dr[0.479,0.725], df[0.370,0.093], g[1.538,0.096]
1/1 [=====] - 0s 80ms/step
>5381, dr[0.293,0.412], df[0.448,0.179], g[1.619,0.130]
1/1 [=====] - 0s 84ms/step
>5382, dr[0.525,0.624], df[0.425,0.127], g[1.692,0.075]
1/1 [=====] - 0s 76ms/step
>5383, dr[0.417,0.854], df[0.532,0.141], g[1.810,0.077]
1/1 [=====] - 0s 78ms/step
>5384, dr[0.550,0.350], df[0.336,0.090], g[1.484,0.102]
1/1 [=====] - 0s 79ms/step
>5385, dr[0.457,0.554], df[0.314,0.178], g[1.593,0.147]
1/1 [=====] - 0s 75ms/step
>5386, dr[0.322,0.737], df[0.543,0.089], g[1.958,0.185]
1/1 [=====] - 0s 79ms/step
>5387, dr[0.570,0.718], df[0.490,0.125], g[2.099,0.065]
1/1 [=====] - 0s 83ms/step
>5388, dr[0.389,0.291], df[0.393,0.286], g[1.500,0.137]
1/1 [=====] - 0s 78ms/step
>5389, dr[0.786,0.685], df[0.278,0.179], g[1.486,0.155]
1/1 [=====] - 0s 75ms/step
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>5390, dr[0.388,0.515], df[0.565,0.107], g[1.347,0.158]
1/1 [=====] - 0s 81ms/step
>5391, dr[0.616,0.573], df[0.527,0.091], g[1.354,0.264]
1/1 [=====] - 0s 83ms/step
>5392, dr[0.400,0.815], df[0.501,0.119], g[1.297,0.154]
1/1 [=====] - 0s 76ms/step
>5393, dr[0.325,0.505], df[0.413,0.041], g[1.513,0.144]
1/1 [=====] - 0s 76ms/step
>5394, dr[0.445,0.376], df[0.593,0.326], g[1.449,0.108]
1/1 [=====] - 0s 77ms/step
>5395, dr[0.488,0.704], df[0.635,0.056], g[1.387,0.135]
1/1 [=====] - 0s 72ms/step
>5396, dr[0.391,0.686], df[0.495,0.079], g[1.560,0.155]
1/1 [=====] - 0s 76ms/step
>5397, dr[0.569,0.598], df[0.443,0.078], g[1.351,0.208]
1/1 [=====] - 0s 81ms/step
>5398, dr[0.454,0.507], df[0.326,0.067], g[1.607,0.130]
1/1 [=====] - 0s 84ms/step
>5399, dr[0.315,0.814], df[0.371,0.344], g[1.359,0.176]
1/1 [=====] - 0s 76ms/step
>5400, dr[0.555,0.819], df[0.891,0.191], g[1.690,0.173]
1/1 [=====] - 0s 72ms/step
>5401, dr[0.406,0.504], df[0.447,0.089], g[1.580,0.183]
1/1 [=====] - 0s 77ms/step
>5402, dr[0.436,0.863], df[0.448,0.180], g[1.502,0.228]
1/1 [=====] - 0s 73ms/step
>5403, dr[0.354,0.571], df[0.574,0.175], g[1.641,0.181]
1/1 [=====] - 0s 78ms/step
>5404, dr[0.730,0.288], df[0.423,0.240], g[1.475,0.189]
1/1 [=====] - 0s 77ms/step
>5405, dr[0.403,0.521], df[0.459,0.169], g[1.689,0.148]
1/1 [=====] - 0s 75ms/step
>5406, dr[0.562,0.641], df[0.567,0.145], g[1.546,0.186]
1/1 [=====] - 0s 72ms/step
>5407, dr[0.457,0.376], df[0.423,0.047], g[1.523,0.070]
1/1 [=====] - 0s 74ms/step
>5408, dr[0.899,0.480], df[0.406,0.144], g[1.920,0.196]
1/1 [=====] - 0s 78ms/step
>5409, dr[0.643,0.608], df[0.395,0.087], g[1.583,0.251]
1/1 [=====] - 0s 72ms/step
>5410, dr[0.447,0.534], df[0.319,0.056], g[1.496,0.091]
1/1 [=====] - 0s 85ms/step
>5411, dr[0.442,0.621], df[0.570,0.120], g[1.231,0.212]
1/1 [=====] - 0s 77ms/step
>5412, dr[0.418,0.625], df[0.532,0.077], g[1.271,0.092]
1/1 [=====] - 0s 87ms/step
>5413, dr[0.473,0.428], df[0.523,0.039], g[1.407,0.177]
1/1 [=====] - 0s 76ms/step
>5414, dr[0.381,0.504], df[0.595,0.162], g[1.388,0.281]
1/1 [=====] - 0s 75ms/step
>5415, dr[0.393,0.493], df[0.457,0.094], g[1.456,0.187]
1/1 [=====] - 0s 80ms/step
>5416, dr[0.375,0.758], df[0.766,0.262], g[1.444,0.165]
1/1 [=====] - 0s 81ms/step
>5417, dr[0.598,0.572], df[0.303,0.116], g[1.716,0.107]
1/1 [=====] - 0s 74ms/step
>5418, dr[0.446,0.462], df[0.455,0.092], g[1.645,0.124]
1/1 [=====] - 0s 77ms/step
>5419, dr[0.516,0.738], df[0.273,0.052], g[1.743,0.207]
1/1 [=====] - 0s 79ms/step
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>5420, dr[0.334,0.361], df[0.365,0.118], g[1.382,0.096]
1/1 [=====] - 0s 80ms/step
>5421, dr[0.400,0.399], df[0.486,0.217], g[1.710,0.201]
1/1 [=====] - 0s 78ms/step
>5422, dr[0.425,1.077], df[0.523,0.131], g[1.687,0.084]
1/1 [=====] - 0s 86ms/step
>5423, dr[0.383,0.388], df[0.532,0.093], g[1.827,0.080]
1/1 [=====] - 0s 79ms/step
>5424, dr[0.411,0.384], df[0.401,0.069], g[1.694,0.148]
1/1 [=====] - 0s 73ms/step
>5425, dr[0.479,0.617], df[0.412,0.236], g[1.619,0.116]
1/1 [=====] - 0s 86ms/step
>5426, dr[0.517,0.821], df[0.379,0.191], g[1.595,0.077]
1/1 [=====] - 0s 77ms/step
>5427, dr[0.379,0.492], df[0.517,0.106], g[1.522,0.115]
1/1 [=====] - 0s 77ms/step
>5428, dr[0.672,0.417], df[0.457,0.084], g[1.822,0.065]
1/1 [=====] - 0s 84ms/step
>5429, dr[0.478,0.994], df[0.439,0.078], g[1.634,0.082]
1/1 [=====] - 0s 79ms/step
>5430, dr[0.234,0.599], df[0.433,0.165], g[1.481,0.092]
1/1 [=====] - 0s 76ms/step
>5431, dr[0.418,0.711], df[0.386,0.058], g[1.678,0.111]
1/1 [=====] - 0s 76ms/step
>5432, dr[0.396,0.484], df[0.415,0.042], g[1.531,0.090]
1/1 [=====] - 0s 77ms/step
>5433, dr[0.481,0.711], df[0.752,0.117], g[1.756,0.122]
1/1 [=====] - 0s 82ms/step
>5434, dr[0.523,0.782], df[0.453,0.114], g[1.704,0.258]
1/1 [=====] - 0s 79ms/step
>5435, dr[0.215,0.676], df[0.326,0.195], g[1.827,0.130]
1/1 [=====] - 0s 83ms/step
>5436, dr[0.728,0.505], df[0.407,0.076], g[1.827,0.105]
1/1 [=====] - 0s 84ms/step
>5437, dr[0.695,1.019], df[0.380,0.209], g[1.543,0.135]
1/1 [=====] - 0s 78ms/step
>5438, dr[0.593,0.465], df[0.490,0.066], g[1.407,0.157]
1/1 [=====] - 0s 85ms/step
>5439, dr[0.425,0.935], df[0.527,0.078], g[1.346,0.188]
1/1 [=====] - 0s 78ms/step
>5440, dr[0.392,1.244], df[0.782,0.097], g[1.297,0.124]
1/1 [=====] - 0s 77ms/step
>5441, dr[0.200,0.515], df[0.503,0.265], g[1.574,0.188]
1/1 [=====] - 0s 84ms/step
>5442, dr[0.247,0.522], df[0.484,0.080], g[1.678,0.078]
1/1 [=====] - 0s 84ms/step
>5443, dr[0.349,0.589], df[0.574,0.223], g[1.977,0.088]
1/1 [=====] - 0s 95ms/step
>5444, dr[0.400,0.614], df[0.360,0.213], g[1.854,0.072]
1/1 [=====] - 0s 74ms/step
>5445, dr[0.321,0.337], df[0.314,0.165], g[2.000,0.143]
1/1 [=====] - 0s 80ms/step
>5446, dr[0.864,0.492], df[0.488,0.069], g[1.877,0.184]
1/1 [=====] - 0s 89ms/step
>5447, dr[0.469,0.391], df[0.229,0.181], g[1.682,0.114]
1/1 [=====] - 0s 75ms/step
>5448, dr[0.488,0.750], df[0.521,0.245], g[1.676,0.107]
1/1 [=====] - 0s 81ms/step
>5449, dr[0.662,0.832], df[0.440,0.046], g[1.645,0.370]
1/1 [=====] - 0s 83ms/step
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>5450, dr[0.427,0.344], df[0.503,0.144], g[1.570,0.096]
1/1 [=====] - 0s 83ms/step
>5451, dr[0.216,0.752], df[0.573,0.384], g[1.693,0.202]
1/1 [=====] - 0s 104ms/step
>5452, dr[0.273,0.640], df[0.423,0.149], g[1.678,0.168]
1/1 [=====] - 0s 90ms/step
>5453, dr[0.356,0.775], df[0.375,0.370], g[1.762,0.226]
1/1 [=====] - 0s 86ms/step
>5454, dr[0.608,0.453], df[0.283,0.086], g[1.994,0.194]
1/1 [=====] - 0s 73ms/step
>5455, dr[0.405,0.803], df[0.304,0.122], g[1.371,0.104]
1/1 [=====] - 0s 75ms/step
>5456, dr[0.462,0.519], df[0.435,0.149], g[1.824,0.155]
1/1 [=====] - 0s 84ms/step
>5457, dr[0.391,0.949], df[0.364,0.074], g[1.377,0.110]
1/1 [=====] - 0s 80ms/step
>5458, dr[0.395,1.188], df[0.474,0.070], g[1.366,0.172]
1/1 [=====] - 0s 82ms/step
>5459, dr[0.448,0.685], df[0.694,0.073], g[1.732,0.105]
1/1 [=====] - 0s 78ms/step
>5460, dr[0.557,0.534], df[0.693,0.212], g[1.394,0.122]
1/1 [=====] - 0s 74ms/step
>5461, dr[0.358,0.447], df[0.494,0.069], g[1.831,0.096]
1/1 [=====] - 0s 122ms/step
>5462, dr[0.386,0.303], df[0.469,0.141], g[1.712,0.174]
1/1 [=====] - 0s 93ms/step
>5463, dr[0.514,0.623], df[0.303,0.136], g[1.885,0.093]
1/1 [=====] - 0s 136ms/step
>5464, dr[0.453,0.500], df[0.392,0.285], g[1.629,0.092]
1/1 [=====] - 0s 78ms/step
>5465, dr[0.387,0.729], df[0.336,0.158], g[1.742,0.044]
1/1 [=====] - 0s 77ms/step
>5466, dr[0.502,0.536], df[0.336,0.105], g[1.708,0.104]
1/1 [=====] - 0s 85ms/step
>5467, dr[0.404,0.571], df[0.465,0.141], g[1.580,0.181]
1/1 [=====] - 0s 85ms/step
>5468, dr[0.370,0.408], df[0.504,0.072], g[1.710,0.108]
1/1 [=====] - 0s 81ms/step
>5469, dr[0.660,0.625], df[0.370,0.189], g[1.326,0.076]
1/1 [=====] - 0s 81ms/step
>5470, dr[0.411,0.944], df[0.483,0.144], g[1.392,0.130]
1/1 [=====] - 0s 75ms/step
>5471, dr[0.461,0.621], df[0.321,0.097], g[1.740,0.108]
1/1 [=====] - 0s 82ms/step
>5472, dr[0.519,0.285], df[0.459,0.094], g[1.601,0.139]
1/1 [=====] - 0s 77ms/step
>5473, dr[0.283,0.892], df[0.479,0.141], g[1.388,0.114]
1/1 [=====] - 0s 83ms/step
>5474, dr[0.290,0.607], df[0.585,0.127], g[1.758,0.070]
1/1 [=====] - 0s 80ms/step
>5475, dr[0.322,0.626], df[0.344,0.064], g[1.627,0.190]
1/1 [=====] - 0s 85ms/step
>5476, dr[0.364,0.404], df[0.320,0.126], g[1.574,0.098]
1/1 [=====] - 0s 87ms/step
>5477, dr[0.474,0.810], df[0.320,0.105], g[1.688,0.106]
1/1 [=====] - 0s 78ms/step
>5478, dr[0.421,0.564], df[0.290,0.110], g[1.798,0.099]
1/1 [=====] - 0s 77ms/step
>5479, dr[0.637,0.481], df[0.455,0.047], g[1.829,0.143]
1/1 [=====] - 0s 88ms/step
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>5480, dr[0.477,0.730], df[0.335,0.071], g[1.507,0.146]
1/1 [=====] - 0s 83ms/step
>5481, dr[0.514,0.868], df[0.391,0.074], g[1.323,0.168]
1/1 [=====] - 0s 104ms/step
>5482, dr[0.338,0.517], df[0.450,0.116], g[1.502,0.142]
1/1 [=====] - 0s 103ms/step
>5483, dr[0.414,0.518], df[0.393,0.133], g[1.239,0.134]
1/1 [=====] - 0s 107ms/step
>5484, dr[0.225,0.666], df[0.601,0.157], g[1.191,0.093]
1/1 [=====] - 0s 159ms/step
>5485, dr[0.446,0.503], df[0.442,0.045], g[1.117,0.158]
1/1 [=====] - 0s 114ms/step
>5486, dr[0.392,1.018], df[0.437,0.154], g[1.578,0.139]
1/1 [=====] - 0s 100ms/step
>5487, dr[0.270,0.597], df[0.509,0.087], g[1.824,0.095]
1/1 [=====] - 0s 89ms/step
>5488, dr[0.632,0.622], df[0.413,0.154], g[1.308,0.140]
1/1 [=====] - 0s 88ms/step
>5489, dr[0.398,0.467], df[0.286,0.085], g[1.338,0.135]
1/1 [=====] - 0s 82ms/step
>5490, dr[0.489,1.170], df[0.201,0.050], g[1.555,0.070]
1/1 [=====] - 0s 97ms/step
>5491, dr[0.296,0.317], df[0.378,0.147], g[1.272,0.079]
1/1 [=====] - 0s 115ms/step
>5492, dr[0.322,0.587], df[0.496,0.128], g[1.379,0.105]
1/1 [=====] - 0s 79ms/step
>5493, dr[0.207,0.889], df[0.356,0.072], g[1.377,0.108]
1/1 [=====] - 0s 79ms/step
>5494, dr[0.338,0.773], df[0.597,0.047], g[1.531,0.098]
1/1 [=====] - 0s 82ms/step
>5495, dr[0.451,0.447], df[0.652,0.141], g[1.479,0.168]
1/1 [=====] - 0s 79ms/step
>5496, dr[0.413,0.636], df[0.373,0.114], g[1.738,0.109]
1/1 [=====] - 0s 74ms/step
>5497, dr[0.503,0.619], df[0.391,0.074], g[1.326,0.105]
1/1 [=====] - 0s 95ms/step
>5498, dr[0.479,0.485], df[0.378,0.069], g[1.815,0.173]
1/1 [=====] - 0s 77ms/step
>5499, dr[0.523,0.520], df[0.435,0.070], g[1.630,0.095]
1/1 [=====] - 0s 78ms/step
>5500, dr[0.427,0.938], df[0.611,0.187], g[1.340,0.177]
1/1 [=====] - 0s 72ms/step
>5501, dr[0.408,0.381], df[0.394,0.300], g[1.517,0.160]
1/1 [=====] - 0s 77ms/step
>5502, dr[0.432,0.565], df[0.696,0.174], g[1.413,0.104]
1/1 [=====] - 0s 81ms/step
>5503, dr[0.513,0.588], df[0.304,0.062], g[1.346,0.131]
1/1 [=====] - 0s 78ms/step
>5504, dr[0.418,0.604], df[0.557,0.134], g[1.621,0.079]
1/1 [=====] - 0s 79ms/step
>5505, dr[0.421,0.433], df[0.531,0.141], g[1.389,0.107]
1/1 [=====] - 0s 97ms/step
>5506, dr[0.419,0.617], df[0.545,0.073], g[1.490,0.128]
1/1 [=====] - 0s 83ms/step
>5507, dr[0.665,0.346], df[0.351,0.099], g[1.901,0.091]
1/1 [=====] - 0s 79ms/step
>5508, dr[0.469,0.696], df[0.529,0.026], g[1.489,0.149]
1/1 [=====] - 0s 80ms/step
>5509, dr[0.429,0.824], df[0.286,0.095], g[1.428,0.093]
1/1 [=====] - 0s 83ms/step
```

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>5510, dr[0.420,0.518], df[0.497,0.091], g[1.249,0.153]
1/1 [=====] - 0s 79ms/step
>5511, dr[0.733,0.483], df[0.664,0.149], g[1.068,0.138]
1/1 [=====] - 0s 74ms/step
>5512, dr[0.408,0.640], df[0.572,0.144], g[1.098,0.199]
1/1 [=====] - 0s 76ms/step
>5513, dr[0.463,0.461], df[0.649,0.223], g[1.192,0.100]
1/1 [=====] - 0s 81ms/step
>5514, dr[0.371,0.363], df[0.637,0.124], g[1.888,0.133]
1/1 [=====] - 0s 90ms/step
>5515, dr[0.245,0.639], df[0.514,0.138], g[1.772,0.122]
1/1 [=====] - 0s 86ms/step
>5516, dr[0.403,0.369], df[0.296,0.105], g[1.926,0.085]
1/1 [=====] - 0s 76ms/step
>5517, dr[0.498,0.345], df[0.632,0.113], g[1.874,0.103]
1/1 [=====] - 0s 76ms/step
>5518, dr[0.349,0.508], df[0.324,0.082], g[1.960,0.170]
1/1 [=====] - 0s 93ms/step
>5519, dr[0.645,0.506], df[0.270,0.347], g[2.174,0.152]
1/1 [=====] - 0s 72ms/step
>5520, dr[0.497,0.521], df[0.384,0.179], g[1.943,0.125]
1/1 [=====] - 0s 82ms/step
>5521, dr[0.600,0.610], df[0.343,0.065], g[1.616,0.181]
1/1 [=====] - 0s 74ms/step
>5522, dr[0.353,0.649], df[0.515,0.113], g[1.674,0.066]
1/1 [=====] - 0s 77ms/step
>5523, dr[0.424,0.714], df[0.632,0.163], g[1.386,0.076]
1/1 [=====] - 0s 80ms/step
>5524, dr[0.420,1.076], df[0.395,0.035], g[1.240,0.156]
1/1 [=====] - 0s 76ms/step
>5525, dr[0.614,0.563], df[0.457,0.083], g[1.365,0.111]
1/1 [=====] - 0s 79ms/step
>5526, dr[0.504,0.895], df[0.563,0.188], g[1.261,0.107]
1/1 [=====] - 0s 73ms/step
>5527, dr[0.342,0.799], df[0.504,0.073], g[1.125,0.076]
1/1 [=====] - 0s 75ms/step
>5528, dr[0.368,0.338], df[0.636,0.255], g[1.344,0.108]
1/1 [=====] - 0s 73ms/step
>5529, dr[0.394,0.682], df[0.371,0.100], g[1.135,0.080]
1/1 [=====] - 0s 79ms/step
>5530, dr[0.447,0.518], df[0.462,0.176], g[1.449,0.118]
1/1 [=====] - 0s 78ms/step
>5531, dr[0.544,1.016], df[0.366,0.142], g[1.237,0.234]
1/1 [=====] - 0s 72ms/step
>5532, dr[0.334,1.208], df[0.287,0.148], g[1.484,0.158]
1/1 [=====] - 0s 78ms/step
>5533, dr[0.792,0.581], df[0.548,0.064], g[1.113,0.103]
1/1 [=====] - 0s 75ms/step
>5534, dr[0.646,0.965], df[0.457,0.084], g[1.030,0.143]
1/1 [=====] - 0s 72ms/step
>5535, dr[0.363,0.730], df[0.536,0.178], g[1.062,0.097]
1/1 [=====] - 0s 73ms/step
>5536, dr[0.326,0.680], df[0.366,0.096], g[1.012,0.111]
1/1 [=====] - 0s 72ms/step
>5537, dr[0.390,1.200], df[0.594,0.224], g[0.862,0.121]
1/1 [=====] - 0s 85ms/step
>5538, dr[0.298,0.551], df[0.551,0.093], g[0.926,0.122]
1/1 [=====] - 0s 74ms/step
>5539, dr[0.302,0.796], df[0.269,0.146], g[0.873,0.107]
1/1 [=====] - 0s 77ms/step
```

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>5540, dr[0.373,0.737], df[0.368,0.081], g[1.210,0.118]
1/1 [=====] - 0s 73ms/step
>5541, dr[0.317,0.592], df[0.349,0.068], g[0.824,0.155]
1/1 [=====] - 0s 73ms/step
>5542, dr[0.703,0.666], df[0.286,0.090], g[0.854,0.099]
1/1 [=====] - 0s 77ms/step
>5543, dr[0.628,0.719], df[0.491,0.126], g[0.682,0.313]
1/1 [=====] - 0s 74ms/step
>5544, dr[0.365,0.807], df[0.390,0.120], g[0.855,0.203]
1/1 [=====] - 0s 78ms/step
>5545, dr[0.358,0.508], df[0.759,0.174], g[0.728,0.172]
1/1 [=====] - 0s 73ms/step
>5546, dr[0.409,0.868], df[0.552,0.220], g[0.685,0.096]
1/1 [=====] - 0s 78ms/step
>5547, dr[0.476,0.415], df[0.479,0.101], g[0.637,0.113]
1/1 [=====] - 0s 73ms/step
>5548, dr[0.380,0.875], df[0.583,0.064], g[0.843,0.077]
1/1 [=====] - 0s 73ms/step
>5549, dr[0.396,0.534], df[0.465,0.115], g[0.725,0.079]
1/1 [=====] - 0s 82ms/step
>5550, dr[0.521,0.738], df[0.481,0.067], g[0.772,0.114]
1/1 [=====] - 0s 74ms/step
>5551, dr[0.294,0.532], df[0.357,0.075], g[0.787,0.275]
1/1 [=====] - 0s 79ms/step
>5552, dr[0.575,0.916], df[0.563,0.115], g[0.940,0.169]
1/1 [=====] - 0s 78ms/step
>5553, dr[0.499,0.734], df[0.280,0.130], g[0.816,0.162]
1/1 [=====] - 0s 75ms/step
>5554, dr[0.362,0.763], df[0.436,0.044], g[1.049,0.117]
1/1 [=====] - 0s 76ms/step
>5555, dr[0.508,0.453], df[0.337,0.086], g[0.814,0.101]
1/1 [=====] - 0s 74ms/step
>5556, dr[0.505,0.352], df[0.530,0.027], g[0.823,0.094]
1/1 [=====] - 0s 84ms/step
>5557, dr[0.420,0.983], df[0.474,0.142], g[0.732,0.097]
1/1 [=====] - 0s 73ms/step
>5558, dr[0.548,0.286], df[0.678,0.091], g[0.904,0.076]
1/1 [=====] - 0s 80ms/step
>5559, dr[0.438,1.140], df[0.508,0.172], g[0.916,0.085]
1/1 [=====] - 0s 73ms/step
>5560, dr[0.517,0.441], df[0.451,0.045], g[0.788,0.135]
1/1 [=====] - 0s 72ms/step
>5561, dr[0.572,0.462], df[0.768,0.057], g[0.945,0.104]
1/1 [=====] - 0s 75ms/step
>5562, dr[0.264,0.590], df[0.505,0.076], g[0.728,0.143]
1/1 [=====] - 0s 73ms/step
>5563, dr[0.702,0.631], df[0.475,0.065], g[1.013,0.156]
1/1 [=====] - 0s 83ms/step
>5564, dr[0.662,0.533], df[0.634,0.159], g[1.233,0.164]
1/1 [=====] - 0s 88ms/step
>5565, dr[0.432,0.330], df[0.508,0.095], g[1.146,0.149]
1/1 [=====] - 0s 73ms/step
>5566, dr[0.388,0.839], df[0.673,0.092], g[1.439,0.110]
1/1 [=====] - 0s 73ms/step
>5567, dr[0.385,1.238], df[0.622,0.061], g[1.900,0.155]
1/1 [=====] - 0s 77ms/step
>5568, dr[0.274,0.848], df[0.634,0.049], g[2.102,0.204]
1/1 [=====] - 0s 81ms/step
>5569, dr[0.507,0.355], df[0.371,0.116], g[2.341,0.104]
1/1 [=====] - 0s 73ms/step
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>5570, dr[0.583,0.713], df[0.203,0.061], g[2.519,0.187]
1/1 [=====] - 0s 76ms/step
>5571, dr[0.693,0.488], df[0.403,0.259], g[1.916,0.162]
1/1 [=====] - 0s 72ms/step
>5572, dr[0.795,0.569], df[0.431,0.095], g[1.715,0.127]
1/1 [=====] - 0s 76ms/step
>5573, dr[0.401,0.544], df[0.352,0.089], g[1.832,0.120]
1/1 [=====] - 0s 86ms/step
>5574, dr[0.503,1.063], df[0.444,0.159], g[1.850,0.186]
1/1 [=====] - 0s 72ms/step
>5575, dr[0.576,0.540], df[0.436,0.090], g[1.502,0.138]
1/1 [=====] - 0s 86ms/step
>5576, dr[0.457,0.411], df[0.691,0.134], g[1.396,0.119]
1/1 [=====] - 0s 88ms/step
>5577, dr[0.474,0.319], df[0.706,0.199], g[1.340,0.158]
1/1 [=====] - 0s 85ms/step
>5578, dr[0.472,0.291], df[0.938,0.115], g[1.279,0.209]
1/1 [=====] - 0s 84ms/step
>5579, dr[0.392,0.737], df[0.427,0.171], g[1.287,0.108]
1/1 [=====] - 0s 74ms/step
>5580, dr[0.581,0.556], df[0.486,0.083], g[1.744,0.077]
1/1 [=====] - 0s 80ms/step
>5581, dr[0.573,0.763], df[0.461,0.096], g[1.589,0.127]
1/1 [=====] - 0s 75ms/step
>5582, dr[0.597,0.649], df[0.638,0.303], g[1.463,0.093]
1/1 [=====] - 0s 78ms/step
>5583, dr[0.799,0.584], df[0.484,0.210], g[1.535,0.188]
1/1 [=====] - 0s 77ms/step
>5584, dr[0.505,0.848], df[0.776,0.073], g[1.310,0.150]
1/1 [=====] - 0s 73ms/step
>5585, dr[0.563,0.470], df[0.507,0.130], g[1.309,0.120]
1/1 [=====] - 0s 81ms/step
>5586, dr[0.402,0.511], df[0.498,0.058], g[1.160,0.147]
1/1 [=====] - 0s 74ms/step
>5587, dr[0.588,0.651], df[0.544,0.147], g[1.164,0.178]
1/1 [=====] - 0s 78ms/step
>5588, dr[0.591,0.600], df[0.580,0.196], g[1.092,0.195]
1/1 [=====] - 0s 72ms/step
>5589, dr[0.561,0.592], df[0.577,0.080], g[1.226,0.167]
1/1 [=====] - 0s 78ms/step
>5590, dr[0.635,0.752], df[0.547,0.129], g[1.007,0.162]
1/1 [=====] - 0s 73ms/step
>5591, dr[0.536,0.634], df[0.423,0.186], g[1.126,0.388]
1/1 [=====] - 0s 75ms/step
>5592, dr[0.504,0.552], df[0.607,0.066], g[0.902,0.181]
1/1 [=====] - 0s 82ms/step
>5593, dr[0.513,0.999], df[0.622,0.218], g[0.943,0.166]
1/1 [=====] - 0s 73ms/step
>5594, dr[0.420,0.325], df[0.468,0.139], g[1.209,0.222]
1/1 [=====] - 0s 80ms/step
>5595, dr[0.543,0.545], df[0.609,0.122], g[1.229,0.171]
1/1 [=====] - 0s 70ms/step
>5596, dr[0.406,0.629], df[0.364,0.083], g[1.050,0.155]
1/1 [=====] - 0s 75ms/step
>5597, dr[0.621,0.479], df[0.494,0.088], g[1.089,0.188]
1/1 [=====] - 0s 73ms/step
>5598, dr[0.698,0.837], df[0.658,0.112], g[1.201,0.224]
1/1 [=====] - 0s 77ms/step
>5599, dr[0.650,0.910], df[0.561,0.091], g[1.164,0.112]
1/1 [=====] - 0s 96ms/step
```

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>5600, dr[0.477,0.731], df[0.416,0.086], g[0.908,0.332]
1/1 [=====] - 0s 74ms/step
>5601, dr[0.345,0.547], df[0.600,0.069], g[1.007,0.110]
1/1 [=====] - 0s 79ms/step
>5602, dr[0.323,0.765], df[0.638,0.127], g[1.087,0.183]
1/1 [=====] - 0s 74ms/step
>5603, dr[0.678,0.543], df[0.537,0.062], g[1.103,0.132]
1/1 [=====] - 0s 77ms/step
>5604, dr[0.448,0.653], df[0.628,0.097], g[1.034,0.121]
1/1 [=====] - 0s 77ms/step
>5605, dr[0.865,0.898], df[0.507,0.080], g[1.233,0.109]
1/1 [=====] - 0s 74ms/step
>5606, dr[0.353,0.523], df[0.627,0.182], g[1.147,0.114]
1/1 [=====] - 0s 81ms/step
>5607, dr[0.493,0.413], df[0.666,0.287], g[1.246,0.074]
1/1 [=====] - 0s 75ms/step
>5608, dr[0.477,0.676], df[0.368,0.108], g[1.185,0.124]
1/1 [=====] - 0s 77ms/step
>5609, dr[0.473,0.807], df[0.632,0.044], g[1.377,0.187]
1/1 [=====] - 0s 75ms/step
>5610, dr[0.630,0.749], df[0.315,0.079], g[1.264,0.073]
1/1 [=====] - 0s 79ms/step
>5611, dr[0.557,0.656], df[0.623,0.154], g[1.319,0.128]
1/1 [=====] - 0s 81ms/step
>5612, dr[0.722,0.840], df[0.503,0.075], g[0.994,0.179]
1/1 [=====] - 0s 72ms/step
>5613, dr[0.586,0.540], df[0.485,0.175], g[1.139,0.136]
1/1 [=====] - 0s 79ms/step
>5614, dr[0.286,0.249], df[0.651,0.105], g[1.216,0.087]
1/1 [=====] - 0s 71ms/step
>5615, dr[0.454,0.375], df[0.602,0.118], g[0.960,0.153]
1/1 [=====] - 0s 77ms/step
>5616, dr[0.492,0.350], df[0.607,0.108], g[1.212,0.103]
1/1 [=====] - 0s 73ms/step
>5617, dr[0.358,0.638], df[0.547,0.079], g[1.487,0.122]
1/1 [=====] - 0s 74ms/step
>5618, dr[0.650,0.599], df[0.521,0.073], g[1.113,0.146]
1/1 [=====] - 0s 84ms/step
>5619, dr[0.377,0.434], df[0.345,0.130], g[1.405,0.113]
1/1 [=====] - 0s 75ms/step
>5620, dr[0.504,0.737], df[0.465,0.159], g[1.536,0.108]
1/1 [=====] - 0s 82ms/step
>5621, dr[0.340,0.748], df[0.386,0.145], g[1.538,0.172]
1/1 [=====] - 0s 73ms/step
>5622, dr[0.308,0.530], df[0.546,0.130], g[1.554,0.125]
4/4 [=====] - 0s 50ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_5622.png and model_5622.h5
1/1 [=====] - 0s 72ms/step
>5623, dr[0.334,0.708], df[0.339,0.136], g[1.621,0.124]
1/1 [=====] - 0s 73ms/step
>5624, dr[0.493,0.231], df[0.570,0.097], g[1.613,0.075]
1/1 [=====] - 0s 76ms/step
>5625, dr[0.569,0.734], df[0.594,0.136], g[1.438,0.149]
1/1 [=====] - 0s 86ms/step
>5626, dr[0.383,0.944], df[0.209,0.070], g[1.581,0.114]
1/1 [=====] - 0s 75ms/step
>5627, dr[0.439,0.476], df[0.777,0.135], g[1.564,0.105]
1/1 [=====] - 0s 89ms/step
```

```
>5628, dr[0.476,0.377], df[0.368,0.122], g[1.740,0.061]
1/1 [=====] - 0s 90ms/step
>5629, dr[0.449,0.391], df[0.435,0.114], g[1.511,0.104]
1/1 [=====] - 0s 81ms/step
>5630, dr[0.449,0.475], df[0.558,0.086], g[1.696,0.138]
1/1 [=====] - 0s 92ms/step
>5631, dr[0.369,0.324], df[0.467,0.087], g[1.692,0.115]
1/1 [=====] - 0s 89ms/step
>5632, dr[0.550,0.586], df[0.275,0.128], g[1.648,0.106]
1/1 [=====] - 0s 79ms/step
>5633, dr[0.356,0.619], df[0.319,0.086], g[1.494,0.101]
1/1 [=====] - 0s 88ms/step
>5634, dr[0.767,0.583], df[0.344,0.232], g[1.303,0.112]
1/1 [=====] - 0s 77ms/step
>5635, dr[0.299,0.591], df[1.023,0.099], g[1.285,0.109]
1/1 [=====] - 0s 82ms/step
>5636, dr[0.415,0.510], df[0.787,0.171], g[1.446,0.176]
1/1 [=====] - 0s 81ms/step
>5637, dr[0.442,0.482], df[0.570,0.230], g[1.665,0.130]
1/1 [=====] - 0s 78ms/step
>5638, dr[0.455,0.469], df[0.515,0.099], g[1.523,0.090]
1/1 [=====] - 0s 74ms/step
>5639, dr[0.465,0.589], df[0.424,0.061], g[1.648,0.164]
1/1 [=====] - 0s 74ms/step
>5640, dr[0.758,0.348], df[0.450,0.156], g[1.424,0.171]
1/1 [=====] - 0s 79ms/step
>5641, dr[0.434,0.510], df[0.493,0.125], g[1.545,0.085]
1/1 [=====] - 0s 81ms/step
>5642, dr[0.486,0.855], df[0.337,0.068], g[1.556,0.206]
1/1 [=====] - 0s 72ms/step
>5643, dr[0.409,0.232], df[0.210,0.127], g[1.729,0.257]
1/1 [=====] - 0s 77ms/step
>5644, dr[0.478,0.455], df[0.326,0.094], g[1.447,0.093]
1/1 [=====] - 0s 72ms/step
>5645, dr[0.475,0.723], df[0.497,0.175], g[1.486,0.189]
1/1 [=====] - 0s 72ms/step
>5646, dr[0.836,0.418], df[0.382,0.074], g[1.405,0.120]
1/1 [=====] - 0s 77ms/step
>5647, dr[0.290,0.446], df[0.506,0.172], g[1.063,0.214]
1/1 [=====] - 0s 70ms/step
>5648, dr[0.381,0.480], df[0.598,0.120], g[0.902,0.130]
1/1 [=====] - 0s 83ms/step
>5649, dr[0.513,0.618], df[0.412,0.105], g[1.072,0.224]
1/1 [=====] - 0s 75ms/step
>5650, dr[0.193,0.491], df[0.713,0.196], g[0.912,0.200]
1/1 [=====] - 0s 79ms/step
>5651, dr[0.231,0.227], df[0.721,0.087], g[1.095,0.178]
1/1 [=====] - 0s 78ms/step
>5652, dr[0.388,0.721], df[0.404,0.113], g[1.529,0.173]
1/1 [=====] - 0s 75ms/step
>5653, dr[0.707,0.528], df[0.281,0.251], g[1.076,0.164]
1/1 [=====] - 0s 78ms/step
>5654, dr[0.726,1.015], df[0.389,0.137], g[1.691,0.145]
1/1 [=====] - 0s 77ms/step
>5655, dr[0.637,0.633], df[0.476,0.152], g[1.649,0.116]
1/1 [=====] - 0s 82ms/step
>5656, dr[0.614,0.519], df[0.571,0.105], g[1.309,0.158]
1/1 [=====] - 0s 76ms/step
>5657, dr[0.467,0.470], df[0.358,0.176], g[1.338,0.116]
1/1 [=====] - 0s 76ms/step
```

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>5658, dr[0.510,0.613], df[0.785,0.215], g[1.213,0.174]
1/1 [=====] - 0s 77ms/step
>5659, dr[0.503,0.447], df[0.568,0.164], g[1.101,0.108]
1/1 [=====] - 0s 79ms/step
>5660, dr[0.513,0.597], df[0.508,0.086], g[1.236,0.120]
1/1 [=====] - 0s 85ms/step
>5661, dr[0.578,0.627], df[0.320,0.232], g[1.430,0.102]
1/1 [=====] - 0s 75ms/step
>5662, dr[0.505,0.385], df[0.706,0.089], g[1.412,0.137]
1/1 [=====] - 0s 79ms/step
>5663, dr[0.546,0.623], df[0.582,0.093], g[1.314,0.141]
1/1 [=====] - 0s 75ms/step
>5664, dr[0.346,0.628], df[0.558,0.147], g[1.170,0.089]
1/1 [=====] - 0s 77ms/step
>5665, dr[0.604,1.147], df[0.458,0.247], g[1.432,0.146]
1/1 [=====] - 0s 74ms/step
>5666, dr[0.556,0.771], df[0.451,0.138], g[1.355,0.126]
1/1 [=====] - 0s 72ms/step
>5667, dr[0.581,0.445], df[0.711,0.080], g[1.489,0.169]
1/1 [=====] - 0s 80ms/step
>5668, dr[0.427,0.534], df[0.620,0.113], g[1.199,0.133]
1/1 [=====] - 0s 74ms/step
>5669, dr[0.543,0.910], df[0.512,0.145], g[1.438,0.105]
1/1 [=====] - 0s 80ms/step
>5670, dr[0.533,0.886], df[0.589,0.061], g[1.384,0.096]
1/1 [=====] - 0s 73ms/step
>5671, dr[0.477,0.713], df[0.430,0.111], g[1.088,0.170]
1/1 [=====] - 0s 73ms/step
>5672, dr[0.390,0.242], df[0.474,0.078], g[1.266,0.138]
1/1 [=====] - 0s 80ms/step
>5673, dr[0.463,0.432], df[0.495,0.071], g[1.411,0.103]
1/1 [=====] - 0s 78ms/step
>5674, dr[0.614,0.824], df[0.825,0.133], g[1.442,0.107]
1/1 [=====] - 0s 82ms/step
>5675, dr[0.513,0.822], df[0.445,0.099], g[1.506,0.088]
1/1 [=====] - 0s 73ms/step
>5676, dr[0.593,0.433], df[0.499,0.082], g[1.027,0.161]
1/1 [=====] - 0s 73ms/step
>5677, dr[0.616,0.597], df[0.565,0.110], g[1.186,0.115]
1/1 [=====] - 0s 78ms/step
>5678, dr[0.525,1.156], df[0.347,0.183], g[1.398,0.178]
1/1 [=====] - 0s 72ms/step
>5679, dr[0.498,1.003], df[0.505,0.056], g[1.448,0.052]
1/1 [=====] - 0s 80ms/step
>5680, dr[0.401,0.498], df[0.452,0.037], g[1.093,0.065]
1/1 [=====] - 0s 74ms/step
>5681, dr[0.314,0.748], df[0.622,0.135], g[1.343,0.071]
1/1 [=====] - 0s 80ms/step
>5682, dr[0.301,0.650], df[0.496,0.184], g[1.249,0.156]
1/1 [=====] - 0s 75ms/step
>5683, dr[0.563,0.716], df[0.391,0.212], g[1.381,0.092]
1/1 [=====] - 0s 72ms/step
>5684, dr[0.501,0.907], df[0.504,0.059], g[1.240,0.160]
1/1 [=====] - 0s 74ms/step
>5685, dr[0.405,0.381], df[0.295,0.075], g[1.399,0.115]
1/1 [=====] - 0s 72ms/step
>5686, dr[0.506,0.576], df[0.423,0.098], g[1.602,0.151]
1/1 [=====] - 0s 84ms/step
>5687, dr[0.531,0.646], df[0.412,0.098], g[1.653,0.113]
1/1 [=====] - 0s 72ms/step
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>5688, dr[0.635,1.002], df[0.476,0.244], g[1.294,0.117]
1/1 [=====] - 0s 80ms/step
>5689, dr[0.543,0.567], df[0.581,0.171], g[1.484,0.080]
1/1 [=====] - 0s 74ms/step
>5690, dr[0.482,0.361], df[0.593,0.205], g[1.305,0.084]
1/1 [=====] - 0s 73ms/step
>5691, dr[0.556,0.616], df[0.386,0.037], g[1.495,0.099]
1/1 [=====] - 0s 76ms/step
>5692, dr[0.368,0.396], df[0.495,0.160], g[1.188,0.109]
1/1 [=====] - 0s 74ms/step
>5693, dr[0.388,0.613], df[0.605,0.132], g[1.145,0.133]
1/1 [=====] - 0s 81ms/step
>5694, dr[0.344,0.564], df[0.554,0.044], g[1.185,0.091]
1/1 [=====] - 0s 73ms/step
>5695, dr[0.673,0.557], df[0.489,0.104], g[1.098,0.075]
1/1 [=====] - 0s 81ms/step
>5696, dr[0.334,0.621], df[0.577,0.098], g[1.200,0.082]
1/1 [=====] - 0s 73ms/step
>5697, dr[0.718,0.795], df[0.501,0.237], g[1.284,0.142]
1/1 [=====] - 0s 73ms/step
>5698, dr[0.473,0.512], df[0.450,0.159], g[1.441,0.176]
1/1 [=====] - 0s 84ms/step
>5699, dr[0.430,0.630], df[0.318,0.160], g[1.175,0.145]
1/1 [=====] - 0s 76ms/step
>5700, dr[0.517,0.538], df[0.532,0.266], g[1.329,0.108]
1/1 [=====] - 0s 80ms/step
>5701, dr[0.384,0.612], df[0.514,0.092], g[1.119,0.121]
1/1 [=====] - 0s 72ms/step
>5702, dr[0.564,0.633], df[0.564,0.096], g[1.145,0.192]
1/1 [=====] - 0s 75ms/step
>5703, dr[0.549,0.544], df[0.307,0.061], g[1.085,0.071]
1/1 [=====] - 0s 76ms/step
>5704, dr[0.555,0.784], df[0.649,0.057], g[1.215,0.177]
1/1 [=====] - 0s 73ms/step
>5705, dr[0.393,0.916], df[0.642,0.202], g[1.161,0.257]
1/1 [=====] - 0s 82ms/step
>5706, dr[0.444,0.335], df[0.549,0.065], g[1.345,0.172]
1/1 [=====] - 0s 74ms/step
>5707, dr[0.509,0.679], df[0.540,0.067], g[1.432,0.120]
1/1 [=====] - 0s 75ms/step
>5708, dr[0.351,0.538], df[0.595,0.109], g[1.174,0.114]
1/1 [=====] - 0s 76ms/step
>5709, dr[0.550,0.684], df[0.403,0.120], g[1.377,0.148]
1/1 [=====] - 0s 71ms/step
>5710, dr[0.585,0.477], df[0.524,0.107], g[1.335,0.146]
1/1 [=====] - 0s 87ms/step
>5711, dr[0.595,0.715], df[0.494,0.070], g[1.427,0.077]
1/1 [=====] - 0s 75ms/step
>5712, dr[0.402,0.355], df[0.454,0.113], g[1.184,0.059]
1/1 [=====] - 0s 88ms/step
>5713, dr[0.510,0.582], df[0.721,0.114], g[1.486,0.130]
1/1 [=====] - 0s 73ms/step
>5714, dr[0.592,0.583], df[0.626,0.246], g[1.352,0.177]
1/1 [=====] - 0s 75ms/step
>5715, dr[0.578,0.381], df[0.670,0.142], g[1.505,0.258]
1/1 [=====] - 0s 73ms/step
>5716, dr[0.575,0.473], df[0.621,0.111], g[1.176,0.084]
1/1 [=====] - 0s 77ms/step
>5717, dr[0.476,0.325], df[0.647,0.089], g[0.871,0.189]
1/1 [=====] - 0s 81ms/step
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>5718, dr[0.334,0.404], df[0.625,0.197], g[1.439,0.079]
1/1 [=====] - 0s 72ms/step
>5719, dr[0.703,0.419], df[0.557,0.202], g[1.352,0.180]
1/1 [=====] - 0s 77ms/step
>5720, dr[0.818,0.687], df[0.420,0.070], g[1.517,0.052]
1/1 [=====] - 0s 72ms/step
>5721, dr[0.588,0.448], df[0.612,0.072], g[1.918,0.075]
1/1 [=====] - 0s 74ms/step
>5722, dr[0.763,0.708], df[0.407,0.110], g[1.626,0.107]
1/1 [=====] - 0s 77ms/step
>5723, dr[0.501,0.810], df[0.507,0.169], g[1.398,0.093]
1/1 [=====] - 0s 81ms/step
>5724, dr[0.377,0.674], df[0.542,0.111], g[1.245,0.146]
1/1 [=====] - 0s 81ms/step
>5725, dr[0.511,0.560], df[0.505,0.217], g[1.186,0.166]
1/1 [=====] - 0s 75ms/step
>5726, dr[0.457,0.650], df[0.579,0.133], g[1.244,0.121]
1/1 [=====] - 0s 77ms/step
>5727, dr[0.524,0.775], df[0.683,0.183], g[1.181,0.266]
1/1 [=====] - 0s 72ms/step
>5728, dr[0.447,0.497], df[0.577,0.142], g[1.272,0.095]
1/1 [=====] - 0s 72ms/step
>5729, dr[0.369,0.476], df[0.381,0.085], g[1.484,0.115]
1/1 [=====] - 0s 82ms/step
>5730, dr[0.383,0.483], df[0.703,0.078], g[1.692,0.120]
1/1 [=====] - 0s 76ms/step
>5731, dr[0.516,0.385], df[0.291,0.162], g[1.646,0.120]
1/1 [=====] - 0s 85ms/step
>5732, dr[0.688,0.471], df[0.395,0.058], g[1.490,0.178]
1/1 [=====] - 0s 75ms/step
>5733, dr[0.726,0.756], df[0.257,0.098], g[1.670,0.099]
1/1 [=====] - 0s 74ms/step
>5734, dr[0.454,0.654], df[0.444,0.091], g[1.483,0.154]
1/1 [=====] - 0s 73ms/step
>5735, dr[0.622,0.364], df[0.538,0.074], g[1.376,0.081]
1/1 [=====] - 0s 70ms/step
>5736, dr[0.783,0.640], df[0.561,0.131], g[1.043,0.091]
1/1 [=====] - 0s 84ms/step
>5737, dr[0.533,0.575], df[0.586,0.100], g[1.076,0.095]
1/1 [=====] - 0s 72ms/step
>5738, dr[0.299,0.516], df[0.702,0.103], g[1.386,0.121]
1/1 [=====] - 0s 82ms/step
>5739, dr[0.439,0.659], df[0.518,0.093], g[1.024,0.118]
1/1 [=====] - 0s 71ms/step
>5740, dr[0.579,0.681], df[0.587,0.079], g[1.081,0.111]
1/1 [=====] - 0s 75ms/step
>5741, dr[0.378,0.713], df[0.549,0.054], g[1.044,0.160]
1/1 [=====] - 0s 76ms/step
>5742, dr[0.328,0.718], df[0.630,0.088], g[1.264,0.120]
1/1 [=====] - 0s 71ms/step
>5743, dr[0.320,0.693], df[0.482,0.092], g[1.697,0.133]
1/1 [=====] - 0s 78ms/step
>5744, dr[0.626,0.447], df[0.478,0.124], g[1.557,0.089]
1/1 [=====] - 0s 72ms/step
>5745, dr[0.628,0.312], df[0.426,0.166], g[1.926,0.056]
1/1 [=====] - 0s 82ms/step
>5746, dr[0.351,0.883], df[0.418,0.168], g[1.623,0.083]
1/1 [=====] - 0s 73ms/step
>5747, dr[0.584,0.383], df[0.448,0.096], g[1.555,0.126]
1/1 [=====] - 0s 73ms/step
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>5748, dr[0.634,0.695], df[0.366,0.099], g[1.601,0.066]
1/1 [=====] - 0s 73ms/step
>5749, dr[0.615,0.712], df[0.344,0.075], g[1.417,0.104]
1/1 [=====] - 0s 74ms/step
>5750, dr[0.698,0.720], df[0.514,0.117], g[1.423,0.126]
1/1 [=====] - 0s 83ms/step
>5751, dr[0.631,0.374], df[0.719,0.148], g[1.218,0.165]
1/1 [=====] - 0s 73ms/step
>5752, dr[0.415,0.609], df[0.634,0.068], g[1.071,0.098]
1/1 [=====] - 0s 80ms/step
>5753, dr[0.582,0.309], df[0.904,0.116], g[1.330,0.081]
1/1 [=====] - 0s 83ms/step
>5754, dr[0.444,0.498], df[0.545,0.071], g[1.263,0.114]
1/1 [=====] - 0s 72ms/step
>5755, dr[0.473,0.395], df[0.508,0.188], g[1.539,0.154]
1/1 [=====] - 0s 74ms/step
>5756, dr[0.430,1.031], df[0.483,0.038], g[1.566,0.122]
1/1 [=====] - 0s 75ms/step
>5757, dr[0.542,0.475], df[0.473,0.038], g[1.425,0.089]
1/1 [=====] - 0s 79ms/step
>5758, dr[0.504,0.607], df[0.490,0.091], g[1.360,0.063]
1/1 [=====] - 0s 73ms/step
>5759, dr[0.490,0.428], df[0.481,0.061], g[1.460,0.081]
1/1 [=====] - 0s 80ms/step
>5760, dr[0.786,0.673], df[0.468,0.136], g[1.831,0.078]
1/1 [=====] - 0s 73ms/step
>5761, dr[0.464,0.728], df[0.549,0.069], g[1.138,0.135]
1/1 [=====] - 0s 74ms/step
>5762, dr[0.489,0.381], df[0.771,0.206], g[1.531,0.106]
1/1 [=====] - 0s 82ms/step
>5763, dr[0.562,0.835], df[0.702,0.217], g[1.389,0.163]
1/1 [=====] - 0s 73ms/step
>5764, dr[0.466,0.490], df[0.488,0.160], g[1.355,0.108]
1/1 [=====] - 0s 101ms/step
>5765, dr[0.691,0.231], df[0.522,0.077], g[1.392,0.118]
1/1 [=====] - 0s 102ms/step
>5766, dr[0.362,0.721], df[0.596,0.264], g[1.423,0.114]
1/1 [=====] - 0s 90ms/step
>5767, dr[0.460,0.508], df[0.297,0.208], g[1.802,0.101]
1/1 [=====] - 0s 99ms/step
>5768, dr[0.405,0.329], df[0.488,0.061], g[1.333,0.134]
1/1 [=====] - 0s 96ms/step
>5769, dr[0.592,0.600], df[0.358,0.189], g[1.720,0.098]
1/1 [=====] - 0s 96ms/step
>5770, dr[0.800,0.489], df[0.328,0.120], g[1.457,0.071]
1/1 [=====] - 0s 96ms/step
>5771, dr[0.615,0.410], df[0.559,0.050], g[1.109,0.052]
1/1 [=====] - 0s 109ms/step
>5772, dr[0.552,0.665], df[0.444,0.052], g[1.064,0.219]
1/1 [=====] - 0s 92ms/step
>5773, dr[0.584,0.643], df[0.718,0.081], g[1.001,0.119]
1/1 [=====] - 0s 111ms/step
>5774, dr[0.325,0.496], df[0.695,0.130], g[1.080,0.153]
1/1 [=====] - 0s 103ms/step
>5775, dr[0.313,1.284], df[0.563,0.189], g[1.152,0.120]
1/1 [=====] - 0s 112ms/step
>5776, dr[0.329,0.939], df[0.704,0.122], g[1.438,0.111]
1/1 [=====] - 0s 102ms/step
>5777, dr[0.413,0.711], df[0.792,0.036], g[1.292,0.101]
1/1 [=====] - 0s 111ms/step
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>5778, dr[0.400,0.426], df[0.515,0.077], g[1.417,0.130]
1/1 [=====] - 0s 106ms/step
>5779, dr[0.572,0.457], df[0.256,0.155], g[1.890,0.179]
1/1 [=====] - 0s 132ms/step
>5780, dr[0.567,0.847], df[0.267,0.152], g[1.812,0.069]
1/1 [=====] - 0s 101ms/step
>5781, dr[0.605,0.839], df[0.344,0.070], g[1.442,0.116]
1/1 [=====] - 0s 86ms/step
>5782, dr[0.946,0.827], df[0.465,0.083], g[1.463,0.141]
1/1 [=====] - 0s 94ms/step
>5783, dr[0.690,0.897], df[0.296,0.164], g[1.003,0.101]
1/1 [=====] - 0s 85ms/step
>5784, dr[0.412,0.535], df[0.578,0.077], g[1.045,0.201]
1/1 [=====] - 0s 81ms/step
>5785, dr[0.348,0.542], df[0.461,0.093], g[1.032,0.163]
1/1 [=====] - 0s 89ms/step
>5786, dr[0.323,0.907], df[0.656,0.106], g[1.045,0.105]
1/1 [=====] - 0s 82ms/step
>5787, dr[0.199,0.543], df[0.589,0.102], g[1.217,0.192]
1/1 [=====] - 0s 88ms/step
>5788, dr[0.462,0.371], df[0.746,0.080], g[1.096,0.120]
1/1 [=====] - 0s 87ms/step
>5789, dr[0.403,0.514], df[0.437,0.147], g[1.417,0.173]
1/1 [=====] - 0s 80ms/step
>5790, dr[0.519,0.483], df[0.538,0.051], g[1.738,0.152]
1/1 [=====] - 0s 74ms/step
>5791, dr[0.432,0.407], df[0.368,0.111], g[1.763,0.083]
1/1 [=====] - 0s 76ms/step
>5792, dr[0.625,0.669], df[0.392,0.090], g[1.450,0.112]
1/1 [=====] - 0s 98ms/step
>5793, dr[0.710,0.676], df[0.282,0.059], g[1.538,0.109]
1/1 [=====] - 0s 92ms/step
>5794, dr[0.341,0.563], df[0.588,0.091], g[1.251,0.093]
1/1 [=====] - 0s 77ms/step
>5795, dr[0.471,1.119], df[0.705,0.147], g[1.525,0.058]
1/1 [=====] - 0s 78ms/step
>5796, dr[0.517,0.692], df[0.381,0.141], g[1.196,0.134]
1/1 [=====] - 0s 79ms/step
>5797, dr[0.349,0.500], df[0.435,0.083], g[1.391,0.094]
1/1 [=====] - 0s 92ms/step
>5798, dr[0.448,0.421], df[0.413,0.063], g[1.402,0.168]
1/1 [=====] - 0s 84ms/step
>5799, dr[0.466,0.708], df[0.680,0.206], g[1.124,0.128]
1/1 [=====] - 0s 75ms/step
>5800, dr[0.311,0.539], df[0.503,0.135], g[1.400,0.068]
1/1 [=====] - 0s 72ms/step
>5801, dr[0.448,0.762], df[0.374,0.173], g[1.666,0.131]
1/1 [=====] - 0s 74ms/step
>5802, dr[0.367,0.713], df[0.484,0.096], g[1.557,0.207]
1/1 [=====] - 0s 77ms/step
>5803, dr[0.483,0.542], df[0.613,0.069], g[1.541,0.101]
1/1 [=====] - 0s 79ms/step
>5804, dr[0.477,0.361], df[0.363,0.117], g[1.483,0.141]
1/1 [=====] - 0s 73ms/step
>5805, dr[0.550,0.694], df[0.331,0.175], g[1.449,0.097]
1/1 [=====] - 0s 80ms/step
>5806, dr[0.676,0.792], df[0.509,0.076], g[1.375,0.215]
1/1 [=====] - 0s 73ms/step
>5807, dr[0.621,0.872], df[0.632,0.098], g[1.304,0.095]
1/1 [=====] - 0s 74ms/step
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>5808, dr[0.356,0.334], df[0.473,0.083], g[1.306,0.097]
1/1 [=====] - 0s 84ms/step
>5809, dr[0.380,0.605], df[0.427,0.150], g[1.313,0.193]
1/1 [=====] - 0s 72ms/step
>5810, dr[0.281,0.451], df[0.448,0.102], g[1.665,0.081]
1/1 [=====] - 0s 83ms/step
>5811, dr[0.564,0.693], df[0.412,0.068], g[1.377,0.120]
1/1 [=====] - 0s 73ms/step
>5812, dr[0.683,0.818], df[0.724,0.086], g[1.114,0.083]
1/1 [=====] - 0s 76ms/step
>5813, dr[0.383,0.465], df[0.559,0.233], g[1.167,0.116]
1/1 [=====] - 0s 77ms/step
>5814, dr[0.420,0.483], df[0.526,0.147], g[1.332,0.075]
1/1 [=====] - 0s 71ms/step
>5815, dr[0.591,0.596], df[0.549,0.052], g[1.418,0.075]
1/1 [=====] - 0s 79ms/step
>5816, dr[0.512,0.438], df[0.549,0.064], g[1.387,0.132]
1/1 [=====] - 0s 73ms/step
>5817, dr[0.801,0.489], df[0.512,0.107], g[1.319,0.173]
1/1 [=====] - 0s 81ms/step
>5818, dr[0.646,0.445], df[0.444,0.183], g[1.675,0.093]
1/1 [=====] - 0s 77ms/step
>5819, dr[0.513,1.096], df[0.517,0.077], g[1.228,0.052]
1/1 [=====] - 0s 75ms/step
>5820, dr[0.543,0.578], df[0.623,0.131], g[1.254,0.095]
1/1 [=====] - 0s 73ms/step
>5821, dr[0.711,0.806], df[0.501,0.118], g[1.064,0.119]
1/1 [=====] - 0s 72ms/step
>5822, dr[0.577,0.796], df[0.704,0.083], g[1.192,0.174]
1/1 [=====] - 0s 80ms/step
>5823, dr[0.493,0.424], df[0.447,0.117], g[1.229,0.102]
1/1 [=====] - 0s 85ms/step
>5824, dr[0.476,0.417], df[0.525,0.095], g[1.205,0.141]
1/1 [=====] - 0s 74ms/step
>5825, dr[0.497,0.513], df[0.781,0.057], g[1.525,0.142]
1/1 [=====] - 0s 73ms/step
>5826, dr[0.344,0.724], df[0.612,0.130], g[1.294,0.105]
1/1 [=====] - 0s 72ms/step
>5827, dr[0.591,0.944], df[0.410,0.089], g[1.436,0.173]
1/1 [=====] - 0s 83ms/step
>5828, dr[0.498,0.477], df[0.512,0.098], g[1.103,0.175]
1/1 [=====] - 0s 72ms/step
>5829, dr[0.633,0.564], df[0.649,0.139], g[1.322,0.257]
1/1 [=====] - 0s 85ms/step
>5830, dr[0.600,0.704], df[0.445,0.144], g[1.144,0.145]
1/1 [=====] - 0s 81ms/step
>5831, dr[0.621,0.685], df[0.412,0.080], g[1.241,0.155]
1/1 [=====] - 0s 95ms/step
>5832, dr[0.564,0.603], df[0.591,0.065], g[1.201,0.056]
1/1 [=====] - 0s 88ms/step
>5833, dr[0.593,0.444], df[0.420,0.093], g[1.009,0.084]
1/1 [=====] - 0s 84ms/step
>5834, dr[0.480,0.454], df[0.645,0.075], g[1.299,0.109]
1/1 [=====] - 0s 76ms/step
>5835, dr[0.666,0.552], df[0.501,0.038], g[1.003,0.087]
1/1 [=====] - 0s 75ms/step
>5836, dr[0.447,0.698], df[0.468,0.085], g[1.099,0.079]
1/1 [=====] - 0s 78ms/step
>5837, dr[0.398,0.800], df[0.724,0.102], g[1.028,0.106]
1/1 [=====] - 0s 79ms/step
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>5838, dr[0.431,0.391], df[0.616,0.065], g[1.146,0.082]
1/1 [=====] - 0s 72ms/step
>5839, dr[0.487,0.419], df[0.631,0.090], g[1.435,0.140]
1/1 [=====] - 0s 80ms/step
>5840, dr[0.569,0.575], df[0.331,0.079], g[1.300,0.112]
1/1 [=====] - 0s 72ms/step
>5841, dr[0.441,0.589], df[0.580,0.119], g[1.330,0.093]
1/1 [=====] - 0s 73ms/step
>5842, dr[0.530,0.663], df[0.281,0.114], g[1.094,0.066]
1/1 [=====] - 0s 72ms/step
>5843, dr[0.461,0.763], df[0.699,0.173], g[1.451,0.106]
1/1 [=====] - 0s 73ms/step
>5844, dr[0.496,0.425], df[0.516,0.086], g[1.210,0.156]
1/1 [=====] - 0s 78ms/step
>5845, dr[0.473,0.459], df[0.522,0.088], g[1.299,0.111]
1/1 [=====] - 0s 74ms/step
>5846, dr[0.606,0.663], df[0.479,0.110], g[1.447,0.098]
1/1 [=====] - 0s 78ms/step
>5847, dr[0.415,0.715], df[0.585,0.086], g[1.013,0.131]
1/1 [=====] - 0s 73ms/step
>5848, dr[0.844,0.291], df[0.686,0.054], g[1.336,0.099]
1/1 [=====] - 0s 77ms/step
>5849, dr[0.402,0.407], df[0.317,0.053], g[1.216,0.072]
1/1 [=====] - 0s 76ms/step
>5850, dr[0.346,0.435], df[0.615,0.096], g[1.306,0.081]
1/1 [=====] - 0s 70ms/step
>5851, dr[0.449,0.681], df[0.391,0.074], g[1.350,0.159]
1/1 [=====] - 0s 80ms/step
>5852, dr[0.355,0.562], df[0.375,0.183], g[1.357,0.112]
1/1 [=====] - 0s 73ms/step
>5853, dr[0.582,0.521], df[0.347,0.092], g[1.204,0.078]
1/1 [=====] - 0s 76ms/step
>5854, dr[0.554,0.743], df[0.479,0.039], g[1.241,0.057]
1/1 [=====] - 0s 72ms/step
>5855, dr[0.571,0.404], df[0.446,0.077], g[1.323,0.093]
1/1 [=====] - 0s 74ms/step
>5856, dr[0.407,0.372], df[0.648,0.091], g[1.400,0.115]
1/1 [=====] - 0s 119ms/step
>5857, dr[0.259,0.990], df[0.491,0.048], g[1.065,0.106]
1/1 [=====] - 0s 102ms/step
>5858, dr[0.446,0.691], df[0.488,0.059], g[1.306,0.065]
1/1 [=====] - 0s 91ms/step
>5859, dr[0.467,0.544], df[0.492,0.131], g[1.016,0.085]
1/1 [=====] - 0s 90ms/step
>5860, dr[0.472,0.737], df[0.426,0.115], g[1.246,0.104]
1/1 [=====] - 0s 81ms/step
>5861, dr[0.631,0.424], df[0.680,0.059], g[1.282,0.174]
1/1 [=====] - 0s 84ms/step
>5862, dr[0.441,0.537], df[0.717,0.093], g[1.304,0.097]
1/1 [=====] - 0s 82ms/step
>5863, dr[0.520,0.448], df[0.459,0.100], g[1.287,0.119]
1/1 [=====] - 0s 80ms/step
>5864, dr[0.539,0.599], df[0.590,0.060], g[1.456,0.130]
1/1 [=====] - 0s 96ms/step
>5865, dr[0.562,0.621], df[0.468,0.116], g[1.594,0.085]
1/1 [=====] - 0s 83ms/step
>5866, dr[0.737,0.769], df[0.468,0.138], g[1.624,0.092]
1/1 [=====] - 0s 79ms/step
>5867, dr[0.566,0.509], df[0.315,0.096], g[1.363,0.117]
1/1 [=====] - 0s 80ms/step
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>5868, dr[0.475,0.761], df[0.705,0.057], g[1.115,0.110]
1/1 [=====] - 0s 73ms/step
>5869, dr[0.613,0.772], df[0.606,0.100], g[1.279,0.146]
1/1 [=====] - 0s 72ms/step
>5870, dr[0.326,0.506], df[0.716,0.153], g[1.390,0.109]
1/1 [=====] - 0s 81ms/step
>5871, dr[0.415,0.770], df[0.484,0.235], g[1.337,0.115]
1/1 [=====] - 0s 74ms/step
>5872, dr[0.676,0.662], df[0.521,0.129], g[1.348,0.184]
1/1 [=====] - 0s 80ms/step
>5873, dr[0.496,0.671], df[0.599,0.070], g[1.396,0.160]
1/1 [=====] - 0s 73ms/step
>5874, dr[0.632,0.580], df[0.550,0.043], g[1.228,0.136]
1/1 [=====] - 0s 73ms/step
>5875, dr[0.319,0.414], df[0.549,0.150], g[1.538,0.169]
1/1 [=====] - 0s 82ms/step
>5876, dr[0.458,0.339], df[0.308,0.045], g[1.248,0.167]
1/1 [=====] - 0s 73ms/step
>5877, dr[0.572,1.053], df[0.382,0.078], g[1.348,0.080]
1/1 [=====] - 0s 80ms/step
>5878, dr[0.625,0.685], df[0.597,0.115], g[1.036,0.148]
1/1 [=====] - 0s 73ms/step
>5879, dr[0.481,0.628], df[0.676,0.082], g[1.128,0.148]
1/1 [=====] - 0s 73ms/step
>5880, dr[0.440,0.487], df[0.660,0.276], g[1.393,0.118]
1/1 [=====] - 0s 74ms/step
>5881, dr[0.519,0.612], df[0.554,0.068], g[1.251,0.106]
1/1 [=====] - 0s 73ms/step
>5882, dr[0.566,0.713], df[0.667,0.056], g[1.460,0.066]
1/1 [=====] - 0s 80ms/step
>5883, dr[0.567,0.317], df[0.700,0.146], g[1.320,0.097]
1/1 [=====] - 0s 73ms/step
>5884, dr[0.454,0.265], df[0.411,0.034], g[1.506,0.091]
1/1 [=====] - 0s 87ms/step
>5885, dr[0.391,0.735], df[0.422,0.150], g[1.518,0.092]
1/1 [=====] - 0s 74ms/step
>5886, dr[0.605,0.538], df[0.541,0.072], g[1.643,0.126]
1/1 [=====] - 0s 78ms/step
>5887, dr[0.733,0.523], df[0.518,0.066], g[1.710,0.133]
1/1 [=====] - 0s 79ms/step
>5888, dr[0.697,0.340], df[0.543,0.055], g[1.300,0.183]
1/1 [=====] - 0s 72ms/step
>5889, dr[0.512,0.569], df[0.624,0.150], g[1.548,0.086]
1/1 [=====] - 0s 81ms/step
>5890, dr[0.500,0.642], df[0.414,0.073], g[1.538,0.141]
1/1 [=====] - 0s 75ms/step
>5891, dr[0.558,0.562], df[0.526,0.099], g[1.362,0.067]
1/1 [=====] - 0s 73ms/step
>5892, dr[0.672,0.537], df[0.573,0.124], g[1.097,0.094]
1/1 [=====] - 0s 73ms/step
>5893, dr[0.450,0.409], df[0.720,0.120], g[0.948,0.119]
1/1 [=====] - 0s 73ms/step
>5894, dr[0.251,0.692], df[0.522,0.090], g[1.287,0.067]
1/1 [=====] - 0s 82ms/step
>5895, dr[0.455,0.351], df[0.524,0.092], g[1.069,0.136]
1/1 [=====] - 0s 80ms/step
>5896, dr[0.504,0.386], df[0.603,0.104], g[1.255,0.113]
1/1 [=====] - 0s 76ms/step
>5897, dr[0.547,0.533], df[0.403,0.109], g[1.430,0.185]
1/1 [=====] - 0s 76ms/step
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>5898, dr[0.456,0.367], df[0.619,0.187], g[1.173,0.132]
1/1 [=====] - 0s 72ms/step
>5899, dr[0.553,0.423], df[0.550,0.086], g[1.559,0.074]
1/1 [=====] - 0s 88ms/step
>5900, dr[0.371,0.616], df[0.722,0.221], g[1.311,0.071]
1/1 [=====] - 0s 79ms/step
>5901, dr[0.513,0.509], df[0.380,0.082], g[1.583,0.158]
1/1 [=====] - 0s 77ms/step
>5902, dr[0.680,0.293], df[0.424,0.078], g[1.710,0.176]
1/1 [=====] - 0s 76ms/step
>5903, dr[0.621,0.389], df[0.522,0.099], g[1.363,0.129]
1/1 [=====] - 0s 75ms/step
>5904, dr[0.418,0.856], df[0.581,0.052], g[1.611,0.091]
1/1 [=====] - 0s 81ms/step
>5905, dr[0.565,1.070], df[0.331,0.092], g[1.155,0.078]
1/1 [=====] - 0s 79ms/step
>5906, dr[0.457,0.759], df[0.528,0.129], g[1.492,0.128]
1/1 [=====] - 0s 86ms/step
>5907, dr[0.345,0.846], df[0.617,0.169], g[1.334,0.184]
1/1 [=====] - 0s 75ms/step
>5908, dr[0.519,0.308], df[0.480,0.118], g[1.399,0.119]
1/1 [=====] - 0s 77ms/step
>5909, dr[0.628,0.664], df[0.565,0.188], g[1.377,0.183]
1/1 [=====] - 0s 80ms/step
>5910, dr[0.621,0.301], df[0.329,0.224], g[1.602,0.154]
1/1 [=====] - 0s 78ms/step
>5911, dr[0.391,0.386], df[0.446,0.068], g[1.542,0.163]
1/1 [=====] - 0s 81ms/step
>5912, dr[0.396,0.567], df[0.413,0.134], g[1.552,0.142]
1/1 [=====] - 0s 78ms/step
>5913, dr[0.679,0.444], df[0.500,0.166], g[1.414,0.134]
1/1 [=====] - 0s 80ms/step
>5914, dr[0.507,0.760], df[0.593,0.108], g[1.450,0.104]
1/1 [=====] - 0s 83ms/step
>5915, dr[0.485,0.413], df[0.699,0.086], g[1.186,0.163]
1/1 [=====] - 0s 83ms/step
>5916, dr[0.391,0.418], df[0.731,0.116], g[1.194,0.183]
1/1 [=====] - 0s 85ms/step
>5917, dr[0.472,0.525], df[0.591,0.108], g[1.473,0.077]
1/1 [=====] - 0s 73ms/step
>5918, dr[0.563,0.628], df[0.555,0.074], g[1.352,0.096]
1/1 [=====] - 0s 76ms/step
>5919, dr[0.389,0.488], df[0.465,0.118], g[1.476,0.108]
1/1 [=====] - 0s 85ms/step
>5920, dr[0.559,0.672], df[0.599,0.115], g[1.426,0.128]
1/1 [=====] - 0s 81ms/step
>5921, dr[0.388,0.576], df[0.422,0.182], g[1.239,0.095]
1/1 [=====] - 0s 85ms/step
>5922, dr[0.718,0.501], df[0.345,0.237], g[1.589,0.074]
1/1 [=====] - 0s 86ms/step
>5923, dr[0.697,0.705], df[0.409,0.083], g[1.356,0.133]
1/1 [=====] - 0s 84ms/step
>5924, dr[0.310,0.438], df[0.473,0.120], g[1.122,0.113]
1/1 [=====] - 0s 82ms/step
>5925, dr[0.487,0.613], df[0.557,0.206], g[1.487,0.186]
1/1 [=====] - 0s 80ms/step
>5926, dr[0.336,0.543], df[0.397,0.087], g[1.206,0.078]
1/1 [=====] - 0s 74ms/step
>5927, dr[0.420,0.595], df[0.383,0.166], g[1.360,0.130]
1/1 [=====] - 0s 76ms/step
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>5928, dr[0.478,0.675], df[0.470,0.078], g[1.179,0.152]
1/1 [=====] - 0s 77ms/step
>5929, dr[0.460,0.891], df[0.504,0.066], g[1.143,0.073]
1/1 [=====] - 0s 84ms/step
>5930, dr[0.671,0.501], df[0.773,0.120], g[1.150,0.139]
1/1 [=====] - 0s 82ms/step
>5931, dr[0.463,0.422], df[0.853,0.073], g[0.967,0.195]
1/1 [=====] - 0s 74ms/step
>5932, dr[0.533,0.677], df[0.391,0.274], g[1.121,0.122]
1/1 [=====] - 0s 77ms/step
>5933, dr[0.597,0.558], df[0.453,0.196], g[1.055,0.136]
1/1 [=====] - 0s 75ms/step
>5934, dr[0.434,0.435], df[0.365,0.079], g[1.394,0.106]
1/1 [=====] - 0s 74ms/step
>5935, dr[0.586,0.611], df[0.466,0.051], g[1.279,0.076]
1/1 [=====] - 0s 78ms/step
>5936, dr[0.384,0.456], df[0.645,0.166], g[0.969,0.134]
1/1 [=====] - 0s 72ms/step
>5937, dr[0.548,0.606], df[0.815,0.086], g[1.043,0.203]
1/1 [=====] - 0s 80ms/step
>5938, dr[0.545,0.617], df[0.522,0.055], g[1.004,0.101]
1/1 [=====] - 0s 76ms/step
>5939, dr[0.339,0.578], df[0.671,0.068], g[1.392,0.130]
1/1 [=====] - 0s 71ms/step
>5940, dr[0.351,0.325], df[0.437,0.057], g[1.171,0.080]
1/1 [=====] - 0s 72ms/step
>5941, dr[0.698,0.578], df[0.669,0.110], g[0.982,0.092]
1/1 [=====] - 0s 74ms/step
>5942, dr[0.704,0.277], df[0.588,0.075], g[1.421,0.114]
1/1 [=====] - 0s 78ms/step
>5943, dr[0.523,0.729], df[0.555,0.094], g[1.366,0.152]
1/1 [=====] - 0s 72ms/step
>5944, dr[0.457,0.466], df[0.579,0.083], g[1.423,0.109]
1/1 [=====] - 0s 81ms/step
>5945, dr[0.414,0.342], df[0.563,0.079], g[1.401,0.160]
1/1 [=====] - 0s 71ms/step
>5946, dr[0.637,0.830], df[0.406,0.084], g[1.576,0.063]
1/1 [=====] - 0s 73ms/step
>5947, dr[0.499,1.060], df[0.377,0.104], g[1.404,0.139]
1/1 [=====] - 0s 77ms/step
>5948, dr[0.641,0.522], df[0.678,0.302], g[1.287,0.084]
1/1 [=====] - 0s 73ms/step
>5949, dr[0.576,0.869], df[0.728,0.065], g[1.353,0.136]
1/1 [=====] - 0s 81ms/step
>5950, dr[0.398,0.585], df[0.858,0.136], g[1.313,0.129]
1/1 [=====] - 0s 81ms/step
>5951, dr[0.563,0.702], df[0.436,0.042], g[1.694,0.127]
1/1 [=====] - 0s 79ms/step
>5952, dr[0.676,0.378], df[0.555,0.092], g[1.566,0.057]
1/1 [=====] - 0s 73ms/step
>5953, dr[0.694,0.719], df[0.393,0.103], g[1.672,0.095]
1/1 [=====] - 0s 74ms/step
>5954, dr[0.662,0.732], df[0.357,0.135], g[1.185,0.114]
1/1 [=====] - 0s 74ms/step
>5955, dr[0.505,0.568], df[0.522,0.103], g[1.270,0.046]
1/1 [=====] - 0s 74ms/step
>5956, dr[0.453,0.708], df[0.520,0.072], g[1.331,0.145]
1/1 [=====] - 0s 79ms/step
>5957, dr[0.465,0.776], df[0.577,0.095], g[1.249,0.188]
1/1 [=====] - 0s 77ms/step
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>5958, dr[0.367,0.341], df[0.452,0.054], g[1.109,0.058]
1/1 [=====] - 0s 84ms/step
>5959, dr[0.445,0.752], df[0.379,0.052], g[0.984,0.054]
1/1 [=====] - 0s 76ms/step
>5960, dr[0.463,0.826], df[0.899,0.016], g[1.156,0.190]
1/1 [=====] - 0s 73ms/step
>5961, dr[0.358,0.698], df[0.407,0.068], g[1.420,0.126]
1/1 [=====] - 0s 72ms/step
>5962, dr[0.381,1.015], df[0.607,0.159], g[1.295,0.071]
1/1 [=====] - 0s 77ms/step
>5963, dr[0.564,1.272], df[0.543,0.192], g[0.956,0.087]
1/1 [=====] - 0s 83ms/step
>5964, dr[0.512,0.721], df[0.387,0.129], g[1.182,0.168]
1/1 [=====] - 0s 76ms/step
>5965, dr[0.640,0.470], df[0.488,0.071], g[1.148,0.107]
1/1 [=====] - 0s 80ms/step
>5966, dr[0.685,0.802], df[0.392,0.084], g[1.350,0.103]
1/1 [=====] - 0s 76ms/step
>5967, dr[0.337,1.030], df[0.599,0.061], g[1.309,0.111]
1/1 [=====] - 0s 75ms/step
>5968, dr[0.402,1.483], df[0.500,0.097], g[1.132,0.084]
1/1 [=====] - 0s 81ms/step
>5969, dr[0.478,0.353], df[0.392,0.096], g[1.054,0.278]
1/1 [=====] - 0s 75ms/step
>5970, dr[0.535,0.682], df[0.379,0.078], g[0.845,0.077]
1/1 [=====] - 0s 80ms/step
>5971, dr[0.537,0.628], df[0.738,0.237], g[1.195,0.132]
1/1 [=====] - 0s 75ms/step
>5972, dr[0.602,0.434], df[0.724,0.079], g[0.986,0.057]
1/1 [=====] - 0s 83ms/step
>5973, dr[0.388,0.746], df[0.687,0.081], g[0.776,0.128]
1/1 [=====] - 0s 79ms/step
>5974, dr[0.582,0.756], df[0.603,0.102], g[0.857,0.082]
1/1 [=====] - 0s 74ms/step
>5975, dr[0.445,1.041], df[0.764,0.061], g[0.990,0.101]
1/1 [=====] - 0s 81ms/step
>5976, dr[0.655,0.930], df[0.703,0.200], g[1.060,0.116]
1/1 [=====] - 0s 72ms/step
>5977, dr[0.466,0.528], df[0.788,0.117], g[1.291,0.148]
1/1 [=====] - 0s 80ms/step
>5978, dr[0.578,0.540], df[0.558,0.112], g[1.281,0.084]
1/1 [=====] - 0s 77ms/step
>5979, dr[0.824,1.138], df[0.307,0.109], g[1.298,0.175]
1/1 [=====] - 0s 79ms/step
>5980, dr[0.551,0.364], df[0.526,0.128], g[1.302,0.096]
1/1 [=====] - 0s 89ms/step
>5981, dr[0.525,0.421], df[0.412,0.178], g[1.192,0.113]
1/1 [=====] - 0s 92ms/step
>5982, dr[0.687,0.554], df[0.640,0.140], g[1.270,0.108]
1/1 [=====] - 0s 103ms/step
>5983, dr[0.526,0.565], df[0.465,0.066], g[1.088,0.130]
1/1 [=====] - 0s 148ms/step
>5984, dr[0.430,0.428], df[0.705,0.136], g[1.021,0.147]
1/1 [=====] - 0s 92ms/step
>5985, dr[0.604,0.452], df[0.723,0.073], g[1.250,0.120]
1/1 [=====] - 0s 104ms/step
>5986, dr[0.352,0.710], df[0.553,0.138], g[1.163,0.048]
1/1 [=====] - 0s 99ms/step
>5987, dr[0.693,0.239], df[0.462,0.033], g[1.137,0.123]
1/1 [=====] - 0s 92ms/step
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>5988, dr[0.691,0.289], df[0.562,0.067], g[1.239,0.081]
1/1 [=====] - 0s 93ms/step
>5989, dr[0.616,0.555], df[0.591,0.064], g[1.536,0.145]
1/1 [=====] - 0s 97ms/step
>5990, dr[0.552,0.630], df[0.556,0.104], g[1.192,0.105]
1/1 [=====] - 0s 100ms/step
>5991, dr[0.615,0.954], df[0.635,0.170], g[1.276,0.089]
1/1 [=====] - 0s 90ms/step
>5992, dr[0.369,0.619], df[0.501,0.102], g[1.405,0.105]
1/1 [=====] - 0s 101ms/step
>5993, dr[0.609,0.542], df[0.721,0.090], g[1.538,0.178]
1/1 [=====] - 0s 76ms/step
>5994, dr[0.461,0.368], df[0.663,0.193], g[1.382,0.074]
1/1 [=====] - 0s 72ms/step
>5995, dr[0.522,0.633], df[0.524,0.100], g[1.720,0.204]
1/1 [=====] - 0s 74ms/step
>5996, dr[0.525,0.640], df[0.673,0.194], g[1.434,0.187]
1/1 [=====] - 0s 72ms/step
>5997, dr[0.499,0.578], df[0.394,0.110], g[1.523,0.174]
1/1 [=====] - 0s 85ms/step
>5998, dr[0.404,0.531], df[0.471,0.105], g[1.844,0.197]
1/1 [=====] - 0s 72ms/step
>5999, dr[0.645,0.503], df[0.817,0.171], g[1.361,0.125]
1/1 [=====] - 0s 89ms/step
>6000, dr[0.744,0.834], df[0.496,0.098], g[1.247,0.122]
1/1 [=====] - 0s 73ms/step
>6001, dr[0.554,0.764], df[0.554,0.116], g[1.324,0.118]
1/1 [=====] - 0s 80ms/step
>6002, dr[0.618,0.740], df[0.633,0.046], g[1.397,0.119]
1/1 [=====] - 0s 82ms/step
>6003, dr[0.698,0.682], df[0.536,0.070], g[1.216,0.157]
1/1 [=====] - 0s 74ms/step
>6004, dr[0.350,0.557], df[0.615,0.110], g[1.101,0.151]
1/1 [=====] - 0s 80ms/step
>6005, dr[0.389,0.685], df[0.606,0.097], g[1.247,0.158]
1/1 [=====] - 0s 72ms/step
>6006, dr[0.584,0.477], df[0.668,0.163], g[1.063,0.091]
1/1 [=====] - 0s 77ms/step
>6007, dr[0.395,0.625], df[0.523,0.181], g[1.141,0.194]
1/1 [=====] - 0s 73ms/step
>6008, dr[0.539,0.391], df[0.553,0.061], g[1.575,0.135]
1/1 [=====] - 0s 75ms/step
>6009, dr[0.448,0.739], df[0.421,0.036], g[1.377,0.175]
1/1 [=====] - 0s 82ms/step
>6010, dr[0.702,0.636], df[0.596,0.126], g[1.218,0.206]
1/1 [=====] - 0s 74ms/step
>6011, dr[0.693,0.473], df[0.567,0.087], g[1.279,0.081]
1/1 [=====] - 0s 82ms/step
>6012, dr[0.603,0.612], df[0.466,0.101], g[1.260,0.083]
1/1 [=====] - 0s 82ms/step
>6013, dr[0.646,0.670], df[0.487,0.148], g[1.100,0.109]
1/1 [=====] - 0s 72ms/step
>6014, dr[0.596,0.697], df[0.607,0.129], g[1.224,0.075]
1/1 [=====] - 0s 78ms/step
>6015, dr[0.565,0.821], df[0.887,0.202], g[1.042,0.068]
1/1 [=====] - 0s 74ms/step
>6016, dr[0.583,0.737], df[0.556,0.080], g[1.085,0.059]
1/1 [=====] - 0s 78ms/step
>6017, dr[0.338,0.593], df[0.737,0.096], g[1.087,0.099]
1/1 [=====] - 0s 75ms/step
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>6018, dr[0.445,0.313], df[0.652,0.048], g[1.154,0.073]
1/1 [=====] - 0s 80ms/step
>6019, dr[0.387,0.858], df[0.471,0.152], g[1.253,0.134]
1/1 [=====] - 0s 72ms/step
>6020, dr[0.778,0.550], df[0.570,0.071], g[1.351,0.144]
1/1 [=====] - 0s 72ms/step
>6021, dr[0.765,1.172], df[0.550,0.137], g[1.437,0.164]
1/1 [=====] - 0s 73ms/step
>6022, dr[0.553,0.473], df[0.377,0.036], g[1.387,0.103]
1/1 [=====] - 0s 72ms/step
>6023, dr[0.736,0.383], df[0.558,0.083], g[1.193,0.241]
1/1 [=====] - 0s 79ms/step
>6024, dr[0.536,0.712], df[0.493,0.158], g[1.083,0.099]
1/1 [=====] - 0s 78ms/step
>6025, dr[0.442,0.843], df[0.577,0.092], g[1.240,0.111]
1/1 [=====] - 0s 86ms/step
>6026, dr[0.482,0.217], df[0.702,0.100], g[1.171,0.139]
1/1 [=====] - 0s 73ms/step
>6027, dr[0.663,0.522], df[0.570,0.090], g[1.323,0.105]
1/1 [=====] - 0s 75ms/step
>6028, dr[0.504,0.469], df[0.566,0.091], g[1.097,0.137]
1/1 [=====] - 0s 74ms/step
>6029, dr[0.539,0.656], df[0.662,0.108], g[1.220,0.114]
1/1 [=====] - 0s 74ms/step
>6030, dr[0.756,0.380], df[0.527,0.069], g[1.255,0.179]
1/1 [=====] - 0s 79ms/step
>6031, dr[0.579,0.434], df[0.715,0.229], g[1.084,0.053]
1/1 [=====] - 0s 77ms/step
>6032, dr[0.662,0.545], df[0.575,0.118], g[1.329,0.132]
1/1 [=====] - 0s 77ms/step
>6033, dr[0.609,0.724], df[0.673,0.173], g[1.410,0.062]
1/1 [=====] - 0s 72ms/step
>6034, dr[0.412,0.351], df[0.765,0.120], g[1.239,0.117]
1/1 [=====] - 0s 73ms/step
>6035, dr[0.690,0.863], df[0.516,0.091], g[1.232,0.241]
1/1 [=====] - 0s 80ms/step
>6036, dr[0.640,0.787], df[0.544,0.069], g[1.135,0.055]
1/1 [=====] - 0s 81ms/step
>6037, dr[0.849,0.558], df[0.805,0.097], g[1.093,0.060]
1/1 [=====] - 0s 82ms/step
>6038, dr[0.625,0.643], df[0.672,0.047], g[0.904,0.154]
1/1 [=====] - 0s 73ms/step
>6039, dr[0.504,0.513], df[0.765,0.051], g[1.149,0.071]
1/1 [=====] - 0s 80ms/step
>6040, dr[0.604,0.422], df[0.501,0.043], g[1.010,0.081]
1/1 [=====] - 0s 81ms/step
>6041, dr[0.505,0.583], df[0.645,0.056], g[0.965,0.119]
1/1 [=====] - 0s 72ms/step
>6042, dr[0.461,0.608], df[0.719,0.118], g[1.110,0.043]
1/1 [=====] - 0s 83ms/step
>6043, dr[0.500,0.873], df[0.676,0.160], g[1.226,0.108]
1/1 [=====] - 0s 75ms/step
>6044, dr[0.326,0.708], df[0.528,0.089], g[1.463,0.063]
1/1 [=====] - 0s 77ms/step
>6045, dr[0.999,0.504], df[0.552,0.263], g[1.519,0.146]
1/1 [=====] - 0s 73ms/step
>6046, dr[0.594,0.418], df[0.382,0.069], g[1.379,0.110]
1/1 [=====] - 0s 72ms/step
>6047, dr[0.595,1.070], df[0.562,0.134], g[1.345,0.119]
1/1 [=====] - 0s 78ms/step
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>6048, dr[0.577,0.542], df[0.412,0.027], g[1.408,0.079]
1/1 [=====] - 0s 72ms/step
>6049, dr[0.605,0.441], df[0.477,0.143], g[1.459,0.044]
1/1 [=====] - 0s 86ms/step
>6050, dr[0.526,0.270], df[0.663,0.108], g[1.414,0.117]
1/1 [=====] - 0s 77ms/step
>6051, dr[0.610,0.498], df[0.635,0.151], g[1.211,0.077]
1/1 [=====] - 0s 80ms/step
>6052, dr[0.322,0.433], df[0.787,0.133], g[1.109,0.091]
1/1 [=====] - 0s 74ms/step
>6053, dr[0.330,0.538], df[0.592,0.079], g[1.192,0.100]
1/1 [=====] - 0s 72ms/step
>6054, dr[0.496,0.674], df[0.555,0.106], g[1.217,0.059]
1/1 [=====] - 0s 84ms/step
>6055, dr[0.440,0.604], df[0.477,0.067], g[1.332,0.102]
1/1 [=====] - 0s 73ms/step
>6056, dr[0.526,0.869], df[0.454,0.087], g[1.438,0.108]
1/1 [=====] - 0s 79ms/step
>6057, dr[0.674,0.537], df[0.514,0.057], g[1.365,0.141]
1/1 [=====] - 0s 76ms/step
>6058, dr[0.591,0.624], df[0.672,0.036], g[1.418,0.167]
1/1 [=====] - 0s 80ms/step
>6059, dr[0.663,0.443], df[0.544,0.100], g[1.477,0.135]
1/1 [=====] - 0s 72ms/step
>6060, dr[0.513,0.848], df[0.424,0.118], g[1.230,0.077]
1/1 [=====] - 0s 76ms/step
>6061, dr[0.368,0.733], df[0.460,0.079], g[1.256,0.104]
1/1 [=====] - 0s 81ms/step
>6062, dr[0.461,0.453], df[0.682,0.063], g[1.115,0.112]
1/1 [=====] - 0s 75ms/step
>6063, dr[0.457,0.519], df[0.596,0.096], g[0.986,0.125]
1/1 [=====] - 0s 84ms/step
>6064, dr[0.413,0.653], df[0.818,0.159], g[1.365,0.109]
1/1 [=====] - 0s 76ms/step
>6065, dr[0.475,0.529], df[0.466,0.101], g[1.482,0.111]
1/1 [=====] - 0s 75ms/step
>6066, dr[0.447,0.898], df[0.506,0.164], g[1.231,0.117]
1/1 [=====] - 0s 75ms/step
>6067, dr[0.582,0.286], df[0.441,0.138], g[1.572,0.105]
1/1 [=====] - 0s 72ms/step
>6068, dr[0.477,0.491], df[0.558,0.130], g[1.639,0.167]
1/1 [=====] - 0s 78ms/step
>6069, dr[0.641,0.481], df[0.567,0.091], g[1.330,0.111]
1/1 [=====] - 0s 71ms/step
>6070, dr[0.723,0.741], df[0.376,0.074], g[1.641,0.173]
1/1 [=====] - 0s 80ms/step
>6071, dr[0.577,0.801], df[0.444,0.142], g[1.487,0.117]
1/1 [=====] - 0s 73ms/step
>6072, dr[0.713,0.937], df[0.691,0.149], g[1.467,0.089]
1/1 [=====] - 0s 76ms/step
>6073, dr[0.417,0.700], df[0.513,0.092], g[1.216,0.072]
1/1 [=====] - 0s 73ms/step
>6074, dr[0.582,0.266], df[0.562,0.234], g[1.121,0.092]
1/1 [=====] - 0s 74ms/step
>6075, dr[0.465,0.803], df[0.489,0.069], g[1.043,0.087]
1/1 [=====] - 0s 88ms/step
>6076, dr[0.407,0.826], df[0.720,0.197], g[1.084,0.071]
1/1 [=====] - 0s 98ms/step
>6077, dr[0.526,0.649], df[0.569,0.078], g[1.107,0.094]
1/1 [=====] - 0s 86ms/step
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>6078, dr[0.494,0.601], df[0.631,0.161], g[1.189,0.105]
1/1 [=====] - 0s 81ms/step
>6079, dr[0.499,0.543], df[0.633,0.093], g[1.122,0.102]
1/1 [=====] - 0s 82ms/step
>6080, dr[0.722,0.956], df[0.480,0.051], g[1.251,0.149]
1/1 [=====] - 0s 86ms/step
>6081, dr[0.432,0.720], df[0.360,0.116], g[1.269,0.113]
1/1 [=====] - 0s 80ms/step
>6082, dr[0.686,0.569], df[0.540,0.061], g[1.263,0.089]
1/1 [=====] - 0s 80ms/step
>6083, dr[0.441,0.530], df[0.714,0.073], g[1.422,0.191]
1/1 [=====] - 0s 82ms/step
>6084, dr[0.685,0.736], df[0.625,0.102], g[1.125,0.123]
1/1 [=====] - 0s 83ms/step
>6085, dr[0.548,0.578], df[0.378,0.143], g[1.098,0.097]
1/1 [=====] - 0s 80ms/step
>6086, dr[0.416,0.313], df[0.437,0.070], g[0.995,0.158]
1/1 [=====] - 0s 77ms/step
>6087, dr[0.537,0.657], df[0.580,0.106], g[1.081,0.111]
1/1 [=====] - 0s 84ms/step
>6088, dr[0.457,0.404], df[0.616,0.169], g[0.962,0.136]
1/1 [=====] - 0s 90ms/step
>6089, dr[0.378,0.696], df[0.710,0.157], g[1.302,0.088]
1/1 [=====] - 0s 78ms/step
>6090, dr[0.521,0.605], df[0.621,0.092], g[1.567,0.125]
1/1 [=====] - 0s 90ms/step
>6091, dr[0.566,0.815], df[0.525,0.115], g[1.170,0.102]
1/1 [=====] - 0s 88ms/step
>6092, dr[0.519,0.765], df[0.685,0.094], g[1.180,0.117]
1/1 [=====] - 0s 89ms/step
>6093, dr[0.392,0.255], df[0.547,0.117], g[1.364,0.134]
1/1 [=====] - 0s 82ms/step
>6094, dr[0.557,0.287], df[0.429,0.073], g[1.488,0.108]
1/1 [=====] - 0s 85ms/step
>6095, dr[0.763,0.591], df[0.525,0.088], g[1.338,0.076]
1/1 [=====] - 0s 82ms/step
>6096, dr[0.700,1.100], df[0.611,0.080], g[1.151,0.156]
1/1 [=====] - 0s 87ms/step
>6097, dr[0.630,0.840], df[0.526,0.103], g[1.287,0.138]
1/1 [=====] - 0s 81ms/step
>6098, dr[0.559,0.444], df[0.800,0.127], g[1.161,0.112]
1/1 [=====] - 0s 83ms/step
>6099, dr[0.599,0.439], df[0.576,0.332], g[1.019,0.141]
1/1 [=====] - 0s 88ms/step
>6100, dr[0.488,0.457], df[0.588,0.171], g[1.118,0.222]
1/1 [=====] - 0s 83ms/step
>6101, dr[0.490,0.328], df[0.670,0.093], g[1.140,0.164]
1/1 [=====] - 0s 93ms/step
>6102, dr[0.460,0.916], df[0.731,0.098], g[1.075,0.113]
1/1 [=====] - 0s 90ms/step
>6103, dr[0.455,0.731], df[0.574,0.099], g[1.472,0.048]
1/1 [=====] - 0s 83ms/step
>6104, dr[0.793,1.002], df[0.392,0.053], g[1.374,0.159]
1/1 [=====] - 0s 85ms/step
>6105, dr[0.612,0.524], df[0.503,0.074], g[1.324,0.118]
1/1 [=====] - 0s 82ms/step
>6106, dr[0.700,0.536], df[0.583,0.078], g[1.290,0.116]
1/1 [=====] - 0s 83ms/step
>6107, dr[0.761,0.479], df[0.908,0.182], g[1.208,0.064]
1/1 [=====] - 0s 85ms/step
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>6108, dr[0.522,0.563], df[0.457,0.067], g[1.161,0.122]
1/1 [=====] - 0s 80ms/step
>6109, dr[0.511,1.051], df[0.559,0.170], g[1.158,0.146]
1/1 [=====] - 0s 78ms/step
>6110, dr[0.611,0.628], df[0.480,0.092], g[1.049,0.201]
1/1 [=====] - 0s 82ms/step
>6111, dr[0.687,0.768], df[0.659,0.061], g[1.069,0.114]
1/1 [=====] - 0s 81ms/step
>6112, dr[0.376,0.454], df[0.657,0.256], g[1.127,0.089]
1/1 [=====] - 0s 78ms/step
>6113, dr[0.543,0.842], df[0.551,0.123], g[1.059,0.145]
1/1 [=====] - 0s 81ms/step
>6114, dr[0.422,0.744], df[0.626,0.236], g[1.071,0.094]
1/1 [=====] - 0s 77ms/step
>6115, dr[0.416,0.753], df[0.749,0.145], g[1.261,0.151]
1/1 [=====] - 0s 86ms/step
>6116, dr[0.444,0.617], df[0.680,0.117], g[1.255,0.259]
1/1 [=====] - 0s 81ms/step
>6117, dr[0.726,0.472], df[0.394,0.063], g[1.342,0.099]
1/1 [=====] - 0s 84ms/step
>6118, dr[0.553,0.520], df[0.438,0.117], g[1.290,0.160]
1/1 [=====] - 0s 79ms/step
>6119, dr[0.572,0.360], df[0.528,0.064], g[1.386,0.113]
1/1 [=====] - 0s 85ms/step
>6120, dr[0.728,0.895], df[0.439,0.101], g[1.292,0.158]
1/1 [=====] - 0s 82ms/step
>6121, dr[0.477,0.510], df[0.482,0.181], g[1.313,0.141]
1/1 [=====] - 0s 81ms/step
>6122, dr[0.566,0.616], df[0.516,0.161], g[1.138,0.118]
1/1 [=====] - 0s 87ms/step
>6123, dr[0.452,0.754], df[0.513,0.109], g[1.312,0.099]
1/1 [=====] - 0s 79ms/step
>6124, dr[0.613,0.672], df[0.414,0.092], g[1.034,0.084]
1/1 [=====] - 0s 73ms/step
>6125, dr[0.480,0.295], df[0.548,0.165], g[1.082,0.081]
1/1 [=====] - 0s 76ms/step
>6126, dr[0.684,0.756], df[0.574,0.076], g[1.102,0.129]
1/1 [=====] - 0s 75ms/step
>6127, dr[0.456,0.293], df[0.620,0.066], g[1.118,0.114]
1/1 [=====] - 0s 77ms/step
>6128, dr[0.464,0.449], df[0.615,0.119], g[1.135,0.056]
1/1 [=====] - 0s 79ms/step
>6129, dr[0.419,0.626], df[0.582,0.120], g[1.150,0.123]
1/1 [=====] - 0s 73ms/step
>6130, dr[0.580,0.850], df[0.622,0.147], g[1.299,0.070]
1/1 [=====] - 0s 81ms/step
>6131, dr[0.795,0.653], df[0.568,0.107], g[1.073,0.142]
1/1 [=====] - 0s 76ms/step
>6132, dr[0.785,0.698], df[0.652,0.046], g[1.382,0.190]
1/1 [=====] - 0s 83ms/step
>6133, dr[0.563,1.107], df[0.483,0.082], g[1.130,0.117]
1/1 [=====] - 0s 74ms/step
>6134, dr[0.501,0.395], df[0.659,0.046], g[1.213,0.154]
1/1 [=====] - 0s 73ms/step
>6135, dr[0.395,0.360], df[0.433,0.141], g[1.264,0.055]
1/1 [=====] - 0s 78ms/step
>6136, dr[0.455,0.432], df[0.568,0.070], g[1.104,0.106]
1/1 [=====] - 0s 76ms/step
>6137, dr[0.465,0.597], df[0.470,0.088], g[1.112,0.083]
1/1 [=====] - 0s 75ms/step
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>6138, dr[0.605,0.477], df[0.457,0.092], g[1.331,0.115]
1/1 [=====] - 0s 78ms/step
>6139, dr[0.389,0.732], df[0.585,0.232], g[1.258,0.091]
1/1 [=====] - 0s 75ms/step
>6140, dr[0.575,0.623], df[0.590,0.049], g[1.263,0.065]
1/1 [=====] - 0s 78ms/step
>6141, dr[0.610,0.880], df[0.636,0.107], g[1.346,0.089]
1/1 [=====] - 0s 72ms/step
>6142, dr[0.842,0.753], df[0.406,0.160], g[1.225,0.161]
1/1 [=====] - 0s 78ms/step
>6143, dr[0.484,0.473], df[0.382,0.070], g[1.193,0.189]
1/1 [=====] - 0s 72ms/step
>6144, dr[0.438,0.484], df[0.832,0.097], g[1.224,0.107]
1/1 [=====] - 0s 74ms/step
>6145, dr[0.641,0.372], df[0.572,0.085], g[1.240,0.122]
1/1 [=====] - 0s 74ms/step
>6146, dr[0.612,0.840], df[0.733,0.123], g[1.188,0.096]
1/1 [=====] - 0s 78ms/step
>6147, dr[0.601,1.051], df[0.631,0.161], g[1.339,0.144]
1/1 [=====] - 0s 83ms/step
>6148, dr[0.737,0.549], df[0.394,0.164], g[1.341,0.090]
1/1 [=====] - 0s 78ms/step
>6149, dr[0.662,0.804], df[0.640,0.069], g[1.200,0.164]
1/1 [=====] - 0s 73ms/step
>6150, dr[0.518,0.797], df[0.548,0.101], g[1.117,0.149]
1/1 [=====] - 0s 77ms/step
>6151, dr[0.445,0.433], df[0.581,0.040], g[1.162,0.103]
1/1 [=====] - 0s 76ms/step
>6152, dr[0.557,0.450], df[0.761,0.158], g[1.170,0.139]
1/1 [=====] - 0s 81ms/step
>6153, dr[0.544,0.613], df[0.562,0.072], g[1.091,0.144]
1/1 [=====] - 0s 77ms/step
>6154, dr[0.690,0.941], df[0.663,0.076], g[1.230,0.095]
1/1 [=====] - 0s 80ms/step
>6155, dr[0.356,0.635], df[0.429,0.150], g[1.130,0.153]
1/1 [=====] - 0s 73ms/step
>6156, dr[0.462,0.681], df[0.777,0.128], g[1.182,0.166]
1/1 [=====] - 0s 81ms/step
>6157, dr[0.591,0.568], df[0.414,0.085], g[1.287,0.081]
1/1 [=====] - 0s 73ms/step
>6158, dr[0.544,0.460], df[0.490,0.091], g[1.299,0.107]
1/1 [=====] - 0s 72ms/step
>6159, dr[0.690,0.464], df[0.370,0.057], g[1.289,0.065]
1/1 [=====] - 0s 78ms/step
>6160, dr[0.686,0.895], df[0.653,0.101], g[1.256,0.162]
1/1 [=====] - 0s 78ms/step
>6161, dr[0.481,0.544], df[0.498,0.082], g[1.261,0.093]
1/1 [=====] - 0s 75ms/step
>6162, dr[0.422,0.530], df[0.701,0.133], g[1.241,0.059]
1/1 [=====] - 0s 77ms/step
>6163, dr[0.586,1.013], df[0.505,0.050], g[1.232,0.096]
1/1 [=====] - 0s 76ms/step
>6164, dr[0.468,0.427], df[0.591,0.166], g[1.091,0.166]
1/1 [=====] - 0s 88ms/step
>6165, dr[0.476,0.504], df[0.677,0.073], g[1.281,0.133]
1/1 [=====] - 0s 73ms/step
>6166, dr[0.652,0.629], df[0.579,0.112], g[1.059,0.290]
1/1 [=====] - 0s 81ms/step
>6167, dr[0.538,0.513], df[0.532,0.128], g[1.168,0.203]
1/1 [=====] - 0s 81ms/step
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>6168, dr[0.667,0.594], df[0.550,0.066], g[1.301,0.169]
1/1 [=====] - 0s 72ms/step
>6169, dr[0.609,0.327], df[0.498,0.104], g[1.076,0.087]
1/1 [=====] - 0s 76ms/step
>6170, dr[0.508,0.228], df[0.489,0.207], g[1.235,0.084]
1/1 [=====] - 0s 72ms/step
>6171, dr[0.560,0.554], df[0.640,0.124], g[1.222,0.084]
1/1 [=====] - 0s 85ms/step
>6172, dr[0.431,0.637], df[0.513,0.247], g[1.262,0.120]
1/1 [=====] - 0s 77ms/step
>6173, dr[0.557,0.568], df[0.563,0.046], g[1.241,0.161]
1/1 [=====] - 0s 92ms/step
>6174, dr[0.555,0.609], df[0.616,0.075], g[1.022,0.111]
1/1 [=====] - 0s 75ms/step
>6175, dr[0.360,0.572], df[0.642,0.074], g[1.406,0.125]
1/1 [=====] - 0s 73ms/step
>6176, dr[0.634,0.859], df[0.393,0.138], g[1.295,0.217]
1/1 [=====] - 0s 77ms/step
>6177, dr[0.536,1.053], df[0.506,0.087], g[1.482,0.108]
1/1 [=====] - 0s 79ms/step
>6178, dr[0.699,0.538], df[0.759,0.131], g[1.266,0.148]
1/1 [=====] - 0s 81ms/step
>6179, dr[0.512,0.795], df[0.637,0.157], g[1.294,0.072]
1/1 [=====] - 0s 72ms/step
>6180, dr[0.672,0.570], df[0.597,0.080], g[1.210,0.103]
1/1 [=====] - 0s 76ms/step
>6181, dr[0.513,0.618], df[0.478,0.058], g[1.418,0.106]
1/1 [=====] - 0s 71ms/step
>6182, dr[0.572,0.435], df[0.742,0.099], g[1.364,0.098]
1/1 [=====] - 0s 73ms/step
>6183, dr[0.512,0.328], df[0.719,0.077], g[1.144,0.071]
1/1 [=====] - 0s 76ms/step
>6184, dr[0.683,0.672], df[0.506,0.104], g[1.316,0.067]
1/1 [=====] - 0s 74ms/step
>6185, dr[0.543,0.431], df[0.468,0.157], g[1.458,0.097]
1/1 [=====] - 0s 77ms/step
>6186, dr[0.618,0.387], df[0.402,0.130], g[1.317,0.087]
1/1 [=====] - 0s 71ms/step
>6187, dr[0.694,1.105], df[0.452,0.167], g[1.220,0.150]
1/1 [=====] - 0s 72ms/step
>6188, dr[0.649,1.079], df[0.691,0.146], g[1.352,0.062]
1/1 [=====] - 0s 72ms/step
>6189, dr[0.620,0.645], df[0.616,0.068], g[1.376,0.096]
1/1 [=====] - 0s 72ms/step
>6190, dr[0.678,0.374], df[0.722,0.136], g[1.205,0.063]
1/1 [=====] - 0s 84ms/step
>6191, dr[0.441,0.459], df[0.660,0.222], g[1.330,0.050]
1/1 [=====] - 0s 73ms/step
>6192, dr[0.457,0.513], df[0.791,0.078], g[1.361,0.109]
1/1 [=====] - 0s 82ms/step
>6193, dr[0.506,0.530], df[0.506,0.038], g[1.201,0.124]
1/1 [=====] - 0s 73ms/step
>6194, dr[0.682,0.682], df[0.546,0.082], g[1.374,0.076]
1/1 [=====] - 0s 74ms/step
>6195, dr[0.585,0.314], df[0.597,0.113], g[1.135,0.118]
1/1 [=====] - 0s 74ms/step
>6196, dr[0.621,0.524], df[0.475,0.070], g[1.245,0.171]
1/1 [=====] - 0s 75ms/step
>6197, dr[0.555,0.907], df[0.576,0.069], g[1.120,0.182]
1/1 [=====] - 0s 80ms/step
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>6198, dr[0.486,0.574], df[0.667,0.068], g[1.288,0.053]
1/1 [=====] - 0s 75ms/step
>6199, dr[0.633,0.641], df[0.578,0.149], g[1.302,0.109]
1/1 [=====] - 0s 80ms/step
>6200, dr[0.437,0.615], df[0.631,0.096], g[1.063,0.124]
1/1 [=====] - 0s 74ms/step
>6201, dr[0.416,0.304], df[0.600,0.096], g[1.308,0.133]
1/1 [=====] - 0s 71ms/step
>6202, dr[0.462,0.559], df[0.617,0.117], g[1.162,0.126]
1/1 [=====] - 0s 74ms/step
>6203, dr[0.580,0.281], df[0.428,0.111], g[1.381,0.101]
1/1 [=====] - 0s 76ms/step
>6204, dr[0.855,0.693], df[0.485,0.067], g[1.341,0.096]
1/1 [=====] - 0s 86ms/step
>6205, dr[0.425,0.647], df[0.426,0.074], g[1.360,0.089]
1/1 [=====] - 0s 74ms/step
>6206, dr[0.578,0.743], df[0.320,0.107], g[1.238,0.132]
1/1 [=====] - 0s 76ms/step
>6207, dr[0.767,0.768], df[0.761,0.083], g[1.258,0.066]
1/1 [=====] - 0s 73ms/step
>6208, dr[0.494,0.604], df[0.704,0.093], g[1.123,0.108]
1/1 [=====] - 0s 73ms/step
>6209, dr[0.581,0.943], df[0.687,0.066], g[1.246,0.139]
1/1 [=====] - 0s 81ms/step
>6210, dr[0.420,0.588], df[0.549,0.091], g[1.282,0.117]
1/1 [=====] - 0s 74ms/step
>6211, dr[0.601,0.503], df[0.805,0.121], g[1.195,0.079]
1/1 [=====] - 0s 80ms/step
>6212, dr[0.417,0.625], df[0.405,0.080], g[1.216,0.125]
1/1 [=====] - 0s 82ms/step
>6213, dr[0.548,0.667], df[0.469,0.038], g[1.360,0.139]
1/1 [=====] - 0s 77ms/step
>6214, dr[0.666,0.526], df[0.541,0.124], g[1.314,0.078]
1/1 [=====] - 0s 74ms/step
>6215, dr[0.518,0.374], df[0.549,0.128], g[1.582,0.097]
1/1 [=====] - 0s 72ms/step
>6216, dr[0.611,0.310], df[0.441,0.092], g[1.032,0.067]
1/1 [=====] - 0s 84ms/step
>6217, dr[0.686,0.337], df[0.528,0.194], g[1.254,0.109]
1/1 [=====] - 0s 76ms/step
>6218, dr[0.458,0.756], df[0.586,0.139], g[0.999,0.052]
1/1 [=====] - 0s 75ms/step
>6219, dr[0.693,0.275], df[0.675,0.249], g[1.226,0.084]
1/1 [=====] - 0s 72ms/step
>6220, dr[0.488,0.483], df[0.768,0.131], g[1.151,0.133]
1/1 [=====] - 0s 72ms/step
>6221, dr[0.492,0.560], df[0.651,0.160], g[1.173,0.136]
1/1 [=====] - 0s 79ms/step
>6222, dr[0.574,0.329], df[0.712,0.104], g[1.221,0.125]
1/1 [=====] - 0s 73ms/step
>6223, dr[0.447,0.369], df[0.535,0.068], g[1.454,0.123]
1/1 [=====] - 0s 79ms/step
>6224, dr[0.694,0.675], df[0.457,0.082], g[1.558,0.087]
1/1 [=====] - 0s 77ms/step
>6225, dr[0.742,0.875], df[0.604,0.184], g[1.362,0.086]
1/1 [=====] - 0s 75ms/step
>6226, dr[0.564,0.609], df[0.688,0.050], g[1.614,0.065]
1/1 [=====] - 0s 77ms/step
>6227, dr[0.744,0.455], df[0.431,0.099], g[1.298,0.099]
1/1 [=====] - 0s 83ms/step
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>6228, dr[0.575,0.729], df[0.577,0.117], g[1.132,0.171]
1/1 [=====] - 0s 81ms/step
>6229, dr[0.581,0.660], df[0.622,0.069], g[1.343,0.069]
1/1 [=====] - 0s 81ms/step
>6230, dr[0.595,0.683], df[0.439,0.059], g[1.044,0.157]
1/1 [=====] - 0s 75ms/step
>6231, dr[0.515,1.397], df[0.443,0.154], g[1.052,0.099]
1/1 [=====] - 0s 82ms/step
>6232, dr[0.433,0.898], df[0.670,0.266], g[0.853,0.099]
1/1 [=====] - 0s 81ms/step
>6233, dr[0.469,0.860], df[0.741,0.158], g[0.996,0.065]
1/1 [=====] - 0s 81ms/step
>6234, dr[0.461,0.974], df[0.734,0.108], g[1.129,0.090]
1/1 [=====] - 0s 79ms/step
>6235, dr[0.591,0.697], df[0.574,0.093], g[1.153,0.105]
1/1 [=====] - 0s 75ms/step
>6236, dr[0.646,0.832], df[0.563,0.181], g[1.286,0.129]
1/1 [=====] - 0s 83ms/step
>6237, dr[0.633,0.393], df[0.539,0.326], g[1.114,0.155]
1/1 [=====] - 0s 76ms/step
>6238, dr[0.585,0.716], df[0.551,0.135], g[1.129,0.210]
1/1 [=====] - 0s 86ms/step
>6239, dr[0.411,0.861], df[0.561,0.099], g[1.143,0.075]
1/1 [=====] - 0s 72ms/step
>6240, dr[0.730,0.886], df[0.611,0.064], g[1.279,0.110]
1/1 [=====] - 0s 76ms/step
>6241, dr[0.556,0.475], df[0.437,0.140], g[1.170,0.161]
1/1 [=====] - 0s 73ms/step
>6242, dr[0.553,0.833], df[0.576,0.136], g[1.375,0.082]
1/1 [=====] - 0s 74ms/step
>6243, dr[0.528,0.721], df[0.454,0.115], g[1.146,0.082]
1/1 [=====] - 0s 78ms/step
>6244, dr[0.467,0.518], df[0.625,0.116], g[1.134,0.082]
1/1 [=====] - 0s 78ms/step
>6245, dr[0.542,0.645], df[0.545,0.067], g[1.108,0.103]
1/1 [=====] - 0s 83ms/step
>6246, dr[0.523,0.609], df[0.584,0.198], g[1.053,0.137]
1/1 [=====] - 0s 76ms/step
>6247, dr[0.589,0.609], df[0.769,0.094], g[0.950,0.112]
1/1 [=====] - 0s 74ms/step
>6248, dr[0.681,0.382], df[0.706,0.072], g[1.045,0.089]
1/1 [=====] - 0s 73ms/step
>6249, dr[0.800,0.691], df[0.690,0.093], g[1.190,0.123]
1/1 [=====] - 0s 76ms/step
>6250, dr[0.539,0.574], df[0.544,0.120], g[1.201,0.090]
1/1 [=====] - 0s 81ms/step
>6251, dr[0.453,1.103], df[0.445,0.118], g[1.155,0.086]
1/1 [=====] - 0s 76ms/step
>6252, dr[0.579,0.343], df[0.644,0.081], g[1.156,0.211]
1/1 [=====] - 0s 75ms/step
>6253, dr[0.561,0.790], df[0.635,0.177], g[1.167,0.150]
1/1 [=====] - 0s 75ms/step
>6254, dr[0.811,1.173], df[0.644,0.090], g[1.296,0.092]
1/1 [=====] - 0s 77ms/step
>6255, dr[0.638,0.707], df[0.707,0.039], g[1.361,0.117]
1/1 [=====] - 0s 78ms/step
>6256, dr[0.629,0.706], df[0.700,0.061], g[1.054,0.110]
1/1 [=====] - 0s 72ms/step
>6257, dr[0.568,0.628], df[0.541,0.100], g[1.121,0.128]
1/1 [=====] - 0s 81ms/step
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>6258, dr[0.603,0.805], df[0.612,0.142], g[1.002,0.189]
1/1 [=====] - 0s 74ms/step
>6259, dr[0.581,0.552], df[0.803,0.072], g[0.868,0.088]
1/1 [=====] - 0s 74ms/step
>6260, dr[0.526,0.984], df[0.568,0.205], g[1.235,0.125]
1/1 [=====] - 0s 75ms/step
>6261, dr[0.490,0.419], df[0.561,0.121], g[1.167,0.103]
1/1 [=====] - 0s 72ms/step
>6262, dr[0.748,0.761], df[0.633,0.074], g[1.020,0.097]
1/1 [=====] - 0s 85ms/step
>6263, dr[0.650,0.764], df[0.622,0.104], g[1.099,0.169]
1/1 [=====] - 0s 75ms/step
>6264, dr[0.636,0.307], df[0.782,0.087], g[1.072,0.100]
1/1 [=====] - 0s 85ms/step
>6265, dr[0.684,0.694], df[0.645,0.074], g[0.881,0.134]
1/1 [=====] - 0s 75ms/step
>6266, dr[0.568,0.560], df[0.774,0.175], g[1.147,0.112]
1/1 [=====] - 0s 75ms/step
>6267, dr[0.513,0.680], df[0.523,0.117], g[1.154,0.109]
1/1 [=====] - 0s 74ms/step
>6268, dr[0.580,0.941], df[0.613,0.122], g[1.166,0.130]
1/1 [=====] - 0s 73ms/step
>6269, dr[0.545,0.761], df[0.559,0.088], g[1.190,0.139]
1/1 [=====] - 0s 82ms/step
>6270, dr[0.485,0.851], df[0.621,0.273], g[1.255,0.185]
1/1 [=====] - 0s 74ms/step
>6271, dr[0.566,0.426], df[0.457,0.138], g[1.142,0.083]
1/1 [=====] - 0s 75ms/step
>6272, dr[0.415,0.488], df[0.688,0.065], g[1.233,0.090]
1/1 [=====] - 0s 73ms/step
>6273, dr[0.601,0.705], df[0.441,0.129], g[1.342,0.100]
1/1 [=====] - 0s 79ms/step
>6274, dr[0.516,0.582], df[0.476,0.061], g[1.277,0.118]
1/1 [=====] - 0s 78ms/step
>6275, dr[0.471,0.728], df[0.588,0.047], g[1.368,0.159]
1/1 [=====] - 0s 72ms/step
>6276, dr[0.686,0.486], df[0.527,0.072], g[1.010,0.192]
1/1 [=====] - 0s 88ms/step
>6277, dr[0.521,0.738], df[0.693,0.047], g[1.187,0.089]
1/1 [=====] - 0s 76ms/step
>6278, dr[0.650,0.525], df[0.795,0.062], g[1.136,0.060]
1/1 [=====] - 0s 76ms/step
>6279, dr[0.833,0.994], df[0.507,0.093], g[0.811,0.121]
1/1 [=====] - 0s 74ms/step
>6280, dr[0.509,0.809], df[0.761,0.086], g[1.045,0.099]
1/1 [=====] - 0s 73ms/step
>6281, dr[0.502,0.763], df[0.559,0.141], g[1.063,0.107]
1/1 [=====] - 0s 76ms/step
>6282, dr[0.417,1.187], df[0.607,0.065], g[1.052,0.123]
1/1 [=====] - 0s 74ms/step
>6283, dr[0.551,0.678], df[0.631,0.127], g[1.237,0.101]
1/1 [=====] - 0s 79ms/step
>6284, dr[0.551,0.277], df[0.499,0.090], g[1.183,0.067]
1/1 [=====] - 0s 80ms/step
>6285, dr[0.558,0.447], df[0.582,0.065], g[1.236,0.130]
1/1 [=====] - 0s 72ms/step
>6286, dr[0.535,0.904], df[0.907,0.088], g[1.248,0.173]
1/1 [=====] - 0s 75ms/step
>6287, dr[0.451,0.716], df[0.540,0.173], g[1.334,0.097]
1/1 [=====] - 0s 74ms/step
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>6288, dr[0.640,1.234], df[0.571,0.121], g[1.328,0.050]
1/1 [=====] - 0s 85ms/step
>6289, dr[0.834,0.395], df[0.557,0.059], g[1.444,0.053]
1/1 [=====] - 0s 80ms/step
>6290, dr[0.665,0.718], df[0.543,0.098], g[1.400,0.113]
1/1 [=====] - 0s 87ms/step
>6291, dr[0.610,0.614], df[0.502,0.086], g[1.383,0.222]
1/1 [=====] - 0s 80ms/step
>6292, dr[0.535,0.437], df[0.436,0.061], g[1.108,0.134]
1/1 [=====] - 0s 72ms/step
>6293, dr[0.763,0.549], df[0.472,0.161], g[1.114,0.088]
1/1 [=====] - 0s 86ms/step
>6294, dr[0.552,0.510], df[0.641,0.109], g[1.175,0.100]
1/1 [=====] - 0s 74ms/step
>6295, dr[0.593,0.574], df[0.598,0.067], g[1.075,0.078]
1/1 [=====] - 0s 80ms/step
>6296, dr[0.463,1.183], df[0.691,0.060], g[1.052,0.108]
1/1 [=====] - 0s 72ms/step
>6297, dr[0.419,0.416], df[0.705,0.062], g[0.958,0.046]
1/1 [=====] - 0s 73ms/step
>6298, dr[0.664,0.410], df[0.790,0.043], g[1.005,0.127]
1/1 [=====] - 0s 76ms/step
>6299, dr[0.355,0.669], df[0.582,0.060], g[1.125,0.084]
1/1 [=====] - 0s 74ms/step
>6300, dr[0.405,0.647], df[0.639,0.146], g[1.040,0.120]
1/1 [=====] - 0s 80ms/step
>6301, dr[0.548,0.592], df[0.494,0.123], g[1.312,0.094]
1/1 [=====] - 0s 76ms/step
>6302, dr[0.417,0.589], df[0.675,0.114], g[1.115,0.166]
1/1 [=====] - 0s 78ms/step
>6303, dr[0.890,0.568], df[0.545,0.069], g[1.268,0.177]
1/1 [=====] - 0s 73ms/step
>6304, dr[0.610,0.961], df[0.485,0.075], g[1.285,0.165]
1/1 [=====] - 0s 72ms/step
>6305, dr[0.714,1.130], df[0.461,0.059], g[1.347,0.097]
1/1 [=====] - 0s 76ms/step
>6306, dr[0.514,0.738], df[0.706,0.163], g[1.117,0.199]
1/1 [=====] - 0s 76ms/step
>6307, dr[0.658,0.907], df[0.580,0.040], g[1.059,0.101]
1/1 [=====] - 0s 88ms/step
>6308, dr[0.550,0.487], df[0.633,0.072], g[1.239,0.069]
1/1 [=====] - 0s 72ms/step
>6309, dr[0.525,0.379], df[0.467,0.074], g[1.167,0.072]
1/1 [=====] - 0s 73ms/step
>6310, dr[0.675,0.526], df[0.724,0.085], g[1.135,0.116]
1/1 [=====] - 0s 75ms/step
>6311, dr[0.520,1.368], df[0.448,0.082], g[0.982,0.059]
1/1 [=====] - 0s 75ms/step
>6312, dr[0.619,0.338], df[0.844,0.127], g[1.123,0.134]
1/1 [=====] - 0s 83ms/step
>6313, dr[0.629,0.466], df[0.679,0.202], g[1.089,0.087]
1/1 [=====] - 0s 74ms/step
>6314, dr[0.686,0.475], df[0.721,0.089], g[1.183,0.092]
1/1 [=====] - 0s 79ms/step
>6315, dr[0.328,0.330], df[0.590,0.155], g[0.976,0.086]
1/1 [=====] - 0s 74ms/step
>6316, dr[0.458,0.309], df[0.521,0.142], g[1.035,0.076]
1/1 [=====] - 0s 75ms/step
>6317, dr[0.435,0.464], df[0.530,0.064], g[1.218,0.127]
1/1 [=====] - 0s 103ms/step
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>6318, dr[0.598,0.852], df[0.650,0.093], g[1.167,0.114]
1/1 [=====] - 0s 88ms/step
>6319, dr[0.691,0.704], df[0.569,0.073], g[1.430,0.194]
1/1 [=====] - 0s 95ms/step
>6320, dr[0.832,0.472], df[0.740,0.158], g[1.183,0.146]
1/1 [=====] - 0s 101ms/step
>6321, dr[0.612,0.859], df[0.677,0.155], g[1.096,0.155]
1/1 [=====] - 0s 96ms/step
>6322, dr[0.536,0.474], df[0.508,0.151], g[1.026,0.148]
1/1 [=====] - 0s 96ms/step
>6323, dr[0.385,0.614], df[0.519,0.135], g[1.171,0.132]
1/1 [=====] - 0s 107ms/step
>6324, dr[0.867,0.762], df[0.405,0.180], g[1.190,0.092]
1/1 [=====] - 0s 145ms/step
>6325, dr[0.793,0.686], df[0.392,0.081], g[1.218,0.056]
1/1 [=====] - 0s 125ms/step
>6326, dr[0.463,0.762], df[0.672,0.086], g[1.165,0.050]
1/1 [=====] - 0s 117ms/step
>6327, dr[0.417,0.871], df[0.612,0.042], g[1.227,0.086]
1/1 [=====] - 0s 110ms/step
>6328, dr[0.661,0.753], df[0.523,0.110], g[0.997,0.099]
1/1 [=====] - 0s 98ms/step
>6329, dr[0.398,0.489], df[0.870,0.062], g[1.328,0.112]
1/1 [=====] - 0s 116ms/step
>6330, dr[0.520,0.604], df[0.444,0.085], g[0.975,0.081]
1/1 [=====] - 0s 106ms/step
>6331, dr[0.520,0.615], df[0.816,0.149], g[1.199,0.127]
1/1 [=====] - 0s 96ms/step
>6332, dr[0.577,0.572], df[0.603,0.060], g[1.155,0.075]
1/1 [=====] - 0s 91ms/step
>6333, dr[0.596,0.427], df[0.767,0.081], g[1.216,0.094]
1/1 [=====] - 0s 92ms/step
>6334, dr[0.740,0.203], df[0.627,0.155], g[1.294,0.158]
1/1 [=====] - 0s 113ms/step
>6335, dr[0.801,0.406], df[0.525,0.097], g[1.638,0.078]
1/1 [=====] - 0s 100ms/step
>6336, dr[0.636,0.609], df[0.614,0.090], g[1.185,0.100]
1/1 [=====] - 0s 76ms/step
>6337, dr[0.637,0.627], df[0.437,0.039], g[1.161,0.049]
1/1 [=====] - 0s 79ms/step
>6338, dr[0.521,0.557], df[0.637,0.098], g[1.251,0.064]
1/1 [=====] - 0s 72ms/step
>6339, dr[0.650,0.640], df[0.502,0.061], g[1.196,0.098]
1/1 [=====] - 0s 72ms/step
>6340, dr[0.670,0.605], df[0.814,0.057], g[1.190,0.085]
1/1 [=====] - 0s 81ms/step
>6341, dr[0.411,0.536], df[0.834,0.091], g[1.083,0.205]
1/1 [=====] - 0s 78ms/step
>6342, dr[0.528,0.636], df[0.709,0.092], g[1.053,0.074]
1/1 [=====] - 0s 78ms/step
>6343, dr[0.539,1.061], df[0.531,0.199], g[1.155,0.139]
1/1 [=====] - 0s 79ms/step
>6344, dr[0.563,0.738], df[0.658,0.133], g[1.234,0.090]
1/1 [=====] - 0s 75ms/step
>6345, dr[0.413,0.852], df[0.652,0.072], g[1.235,0.136]
1/1 [=====] - 0s 84ms/step
>6346, dr[0.791,0.643], df[0.686,0.074], g[1.289,0.084]
1/1 [=====] - 0s 88ms/step
>6347, dr[0.604,0.885], df[0.448,0.123], g[1.096,0.073]
1/1 [=====] - 0s 94ms/step
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>6348, dr[0.507,0.665], df[0.428,0.027], g[1.123,0.141]
1/1 [=====] - 0s 75ms/step
>6349, dr[0.617,0.774], df[0.488,0.130], g[1.236,0.119]
1/1 [=====] - 0s 73ms/step
>6350, dr[0.789,0.552], df[0.538,0.030], g[1.170,0.073]
1/1 [=====] - 0s 85ms/step
>6351, dr[0.581,0.536], df[0.664,0.057], g[1.311,0.101]
1/1 [=====] - 0s 71ms/step
>6352, dr[0.578,0.647], df[0.719,0.032], g[0.982,0.114]
1/1 [=====] - 0s 80ms/step
>6353, dr[0.568,0.272], df[0.395,0.077], g[1.178,0.130]
1/1 [=====] - 0s 77ms/step
>6354, dr[0.426,0.401], df[0.560,0.033], g[1.186,0.076]
1/1 [=====] - 0s 74ms/step
>6355, dr[0.483,0.714], df[0.771,0.085], g[1.050,0.045]
1/1 [=====] - 0s 73ms/step
>6356, dr[0.571,0.691], df[0.590,0.045], g[1.118,0.074]
1/1 [=====] - 0s 74ms/step
>6357, dr[0.480,0.522], df[0.619,0.101], g[1.240,0.037]
1/1 [=====] - 0s 82ms/step
>6358, dr[0.459,0.952], df[0.735,0.160], g[1.244,0.054]
1/1 [=====] - 0s 74ms/step
>6359, dr[0.539,0.414], df[0.528,0.109], g[1.168,0.150]
1/1 [=====] - 0s 82ms/step
>6360, dr[0.483,0.363], df[0.560,0.049], g[1.275,0.068]
1/1 [=====] - 0s 78ms/step
>6361, dr[0.649,0.498], df[0.527,0.084], g[1.223,0.100]
1/1 [=====] - 0s 77ms/step
>6362, dr[0.496,0.536], df[0.574,0.062], g[1.313,0.135]
1/1 [=====] - 0s 77ms/step
>6363, dr[0.598,0.472], df[0.544,0.077], g[1.315,0.090]
1/1 [=====] - 0s 75ms/step
>6364, dr[0.794,0.558], df[0.467,0.108], g[1.269,0.103]
1/1 [=====] - 0s 76ms/step
>6365, dr[0.610,0.709], df[0.623,0.076], g[1.241,0.166]
1/1 [=====] - 0s 79ms/step
>6366, dr[0.652,0.718], df[0.501,0.074], g[1.172,0.078]
1/1 [=====] - 0s 73ms/step
>6367, dr[0.539,0.552], df[0.608,0.067], g[1.106,0.087]
1/1 [=====] - 0s 72ms/step
>6368, dr[0.662,0.562], df[0.419,0.075], g[1.113,0.171]
1/1 [=====] - 0s 71ms/step
>6369, dr[0.315,0.499], df[0.846,0.094], g[1.204,0.134]
1/1 [=====] - 0s 80ms/step
>6370, dr[0.495,0.474], df[1.000,0.237], g[1.086,0.142]
1/1 [=====] - 0s 79ms/step
>6371, dr[0.455,0.409], df[0.709,0.116], g[1.282,0.151]
1/1 [=====] - 0s 76ms/step
>6372, dr[0.551,0.286], df[0.906,0.131], g[1.226,0.066]
1/1 [=====] - 0s 88ms/step
>6373, dr[0.641,0.624], df[0.675,0.110], g[1.495,0.121]
1/1 [=====] - 0s 73ms/step
>6374, dr[0.656,0.559], df[0.416,0.057], g[1.335,0.137]
1/1 [=====] - 0s 84ms/step
>6375, dr[0.946,0.762], df[0.398,0.093], g[1.313,0.103]
1/1 [=====] - 0s 72ms/step
>6376, dr[0.590,0.581], df[0.497,0.143], g[1.302,0.146]
1/1 [=====] - 0s 81ms/step
>6377, dr[0.647,0.379], df[0.518,0.028], g[1.095,0.118]
1/1 [=====] - 0s 73ms/step
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>6378, dr[0.456,0.554], df[0.577,0.059], g[1.023,0.141]
1/1 [=====] - 0s 72ms/step
>6379, dr[0.581,0.546], df[0.745,0.101], g[1.190,0.079]
1/1 [=====] - 0s 72ms/step
>6380, dr[0.622,0.689], df[0.450,0.151], g[1.129,0.126]
1/1 [=====] - 0s 73ms/step
>6381, dr[0.445,0.629], df[0.715,0.074], g[1.178,0.068]
1/1 [=====] - 0s 79ms/step
>6382, dr[0.562,0.508], df[0.575,0.119], g[1.198,0.124]
1/1 [=====] - 0s 74ms/step
>6383, dr[0.527,1.013], df[0.719,0.106], g[1.206,0.155]
1/1 [=====] - 0s 92ms/step
>6384, dr[0.420,0.451], df[0.430,0.043], g[1.204,0.139]
1/1 [=====] - 0s 73ms/step
>6385, dr[0.589,0.463], df[0.529,0.114], g[1.009,0.072]
1/1 [=====] - 0s 74ms/step
>6386, dr[0.461,0.783], df[0.551,0.082], g[1.180,0.064]
1/1 [=====] - 0s 77ms/step
>6387, dr[0.528,0.942], df[0.494,0.083], g[1.303,0.141]
1/1 [=====] - 0s 71ms/step
>6388, dr[0.498,0.712], df[0.437,0.058], g[1.111,0.071]
1/1 [=====] - 0s 80ms/step
>6389, dr[0.686,0.660], df[0.580,0.158], g[1.363,0.088]
1/1 [=====] - 0s 73ms/step
>6390, dr[0.495,0.712], df[0.574,0.083], g[1.359,0.133]
1/1 [=====] - 0s 86ms/step
>6391, dr[0.521,0.585], df[0.356,0.081], g[1.202,0.109]
1/1 [=====] - 0s 74ms/step
>6392, dr[0.625,0.522], df[0.595,0.074], g[1.190,0.150]
1/1 [=====] - 0s 75ms/step
>6393, dr[0.580,0.843], df[0.544,0.120], g[1.154,0.092]
1/1 [=====] - 0s 77ms/step
>6394, dr[0.564,0.612], df[0.495,0.078], g[1.085,0.120]
1/1 [=====] - 0s 76ms/step
>6395, dr[0.510,0.860], df[0.625,0.109], g[1.020,0.073]
1/1 [=====] - 0s 82ms/step
>6396, dr[0.650,0.683], df[0.707,0.040], g[1.142,0.226]
1/1 [=====] - 0s 80ms/step
>6397, dr[0.505,0.620], df[0.611,0.123], g[1.025,0.099]
1/1 [=====] - 0s 77ms/step
>6398, dr[0.417,0.530], df[0.675,0.094], g[1.092,0.100]
1/1 [=====] - 0s 73ms/step
>6399, dr[0.361,0.685], df[0.648,0.100], g[1.055,0.112]
1/1 [=====] - 0s 72ms/step
>6400, dr[0.704,0.664], df[0.484,0.033], g[1.284,0.100]
1/1 [=====] - 0s 80ms/step
>6401, dr[0.583,0.305], df[0.608,0.127], g[1.166,0.126]
1/1 [=====] - 0s 71ms/step
>6402, dr[0.601,0.587], df[0.492,0.117], g[1.080,0.129]
1/1 [=====] - 0s 81ms/step
>6403, dr[0.544,0.530], df[0.671,0.166], g[1.272,0.061]
1/1 [=====] - 0s 73ms/step
>6404, dr[0.660,0.522], df[0.498,0.078], g[0.985,0.107]
1/1 [=====] - 0s 87ms/step
>6405, dr[0.504,0.673], df[0.499,0.075], g[1.170,0.094]
1/1 [=====] - 0s 87ms/step
>6406, dr[0.594,0.667], df[0.461,0.092], g[0.962,0.104]
1/1 [=====] - 0s 73ms/step
>6407, dr[0.610,0.453], df[0.488,0.052], g[1.150,0.087]
1/1 [=====] - 0s 81ms/step
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>6408, dr[0.644,0.794], df[0.578,0.036], g[0.996,0.080]
1/1 [=====] - 0s 87ms/step
>6409, dr[0.416,0.705], df[0.463,0.080], g[1.109,0.114]
1/1 [=====] - 0s 75ms/step
>6410, dr[0.602,0.568], df[0.778,0.084], g[0.947,0.126]
1/1 [=====] - 0s 82ms/step
>6411, dr[0.715,0.594], df[0.934,0.074], g[0.881,0.166]
1/1 [=====] - 0s 76ms/step
>6412, dr[0.397,0.557], df[0.619,0.109], g[1.044,0.083]
1/1 [=====] - 0s 83ms/step
>6413, dr[0.520,0.515], df[0.543,0.056], g[1.202,0.096]
1/1 [=====] - 0s 75ms/step
>6414, dr[0.618,0.772], df[0.653,0.101], g[1.069,0.111]
1/1 [=====] - 0s 79ms/step
>6415, dr[0.700,0.609], df[0.702,0.068], g[1.028,0.103]
1/1 [=====] - 0s 84ms/step
>6416, dr[0.745,0.766], df[0.666,0.096], g[1.083,0.198]
1/1 [=====] - 0s 77ms/step
>6417, dr[0.564,0.733], df[0.682,0.195], g[1.076,0.116]
1/1 [=====] - 0s 81ms/step
>6418, dr[0.629,0.702], df[0.559,0.062], g[1.165,0.203]
1/1 [=====] - 0s 79ms/step
>6419, dr[0.625,0.228], df[0.594,0.088], g[1.262,0.136]
1/1 [=====] - 0s 79ms/step
>6420, dr[0.617,0.801], df[0.485,0.148], g[1.256,0.180]
1/1 [=====] - 0s 83ms/step
>6421, dr[0.519,0.700], df[0.541,0.118], g[1.122,0.151]
1/1 [=====] - 0s 82ms/step
>6422, dr[0.629,0.633], df[0.484,0.088], g[1.293,0.173]
1/1 [=====] - 0s 79ms/step
>6423, dr[0.733,0.510], df[0.581,0.090], g[1.323,0.093]
1/1 [=====] - 0s 85ms/step
>6424, dr[0.462,0.645], df[0.742,0.092], g[0.929,0.165]
1/1 [=====] - 0s 76ms/step
>6425, dr[0.588,0.443], df[0.652,0.100], g[1.193,0.060]
1/1 [=====] - 0s 85ms/step
>6426, dr[0.445,0.501], df[0.855,0.053], g[0.998,0.095]
1/1 [=====] - 0s 86ms/step
>6427, dr[0.606,0.495], df[0.675,0.051], g[1.106,0.076]
1/1 [=====] - 0s 82ms/step
>6428, dr[0.433,0.369], df[0.515,0.169], g[1.035,0.136]
1/1 [=====] - 0s 92ms/step
>6429, dr[0.461,0.444], df[0.704,0.100], g[1.365,0.213]
1/1 [=====] - 0s 102ms/step
>6430, dr[0.510,0.680], df[0.399,0.115], g[1.351,0.180]
1/1 [=====] - 0s 84ms/step
>6431, dr[0.686,0.459], df[0.424,0.063], g[1.324,0.126]
1/1 [=====] - 0s 77ms/step
>6432, dr[0.855,0.736], df[0.642,0.082], g[1.183,0.139]
1/1 [=====] - 0s 84ms/step
>6433, dr[0.400,0.685], df[0.502,0.049], g[1.327,0.075]
1/1 [=====] - 0s 142ms/step
>6434, dr[0.727,1.134], df[0.495,0.083], g[1.122,0.064]
1/1 [=====] - 0s 79ms/step
>6435, dr[0.548,0.550], df[0.456,0.076], g[1.352,0.128]
1/1 [=====] - 0s 77ms/step
>6436, dr[0.522,0.627], df[0.650,0.078], g[0.972,0.133]
1/1 [=====] - 0s 75ms/step
>6437, dr[0.590,0.567], df[0.805,0.079], g[1.107,0.219]
1/1 [=====] - 0s 203ms/step
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>6438, dr[0.430,0.288], df[0.621,0.047], g[1.165,0.145]
1/1 [=====] - 0s 139ms/step
>6439, dr[0.480,0.532], df[0.797,0.087], g[1.036,0.138]
1/1 [=====] - 0s 74ms/step
>6440, dr[0.626,0.314], df[0.726,0.089], g[1.137,0.161]
1/1 [=====] - 0s 78ms/step
>6441, dr[0.531,0.538], df[0.576,0.111], g[0.953,0.120]
1/1 [=====] - 0s 89ms/step
>6442, dr[0.535,0.461], df[0.682,0.136], g[1.199,0.141]
1/1 [=====] - 0s 77ms/step
>6443, dr[0.765,0.966], df[0.480,0.162], g[1.317,0.095]
1/1 [=====] - 0s 79ms/step
>6444, dr[0.787,0.806], df[0.616,0.107], g[1.304,0.151]
1/1 [=====] - 0s 78ms/step
>6445, dr[0.572,0.285], df[0.470,0.053], g[1.266,0.073]
1/1 [=====] - 0s 87ms/step
>6446, dr[0.547,0.645], df[0.458,0.117], g[1.104,0.155]
1/1 [=====] - 0s 74ms/step
>6447, dr[0.769,0.784], df[0.456,0.088], g[1.363,0.107]
1/1 [=====] - 0s 76ms/step
>6448, dr[0.402,0.654], df[0.652,0.066], g[1.257,0.197]
1/1 [=====] - 0s 78ms/step
>6449, dr[0.341,0.361], df[0.549,0.081], g[1.289,0.160]
1/1 [=====] - 0s 78ms/step
>6450, dr[0.566,0.584], df[0.576,0.065], g[1.066,0.164]
1/1 [=====] - 0s 85ms/step
>6451, dr[0.671,0.675], df[0.471,0.154], g[0.991,0.127]
1/1 [=====] - 0s 77ms/step
>6452, dr[0.616,0.506], df[0.532,0.121], g[1.191,0.137]
1/1 [=====] - 0s 75ms/step
>6453, dr[0.551,0.495], df[0.618,0.186], g[1.110,0.141]
1/1 [=====] - 0s 75ms/step
>6454, dr[0.571,0.708], df[0.742,0.091], g[1.142,0.161]
1/1 [=====] - 0s 73ms/step
>6455, dr[0.535,0.559], df[0.575,0.085], g[1.129,0.149]
1/1 [=====] - 0s 85ms/step
>6456, dr[0.554,0.403], df[0.572,0.082], g[0.994,0.100]
1/1 [=====] - 0s 72ms/step
>6457, dr[0.757,1.061], df[0.523,0.113], g[1.132,0.074]
1/1 [=====] - 0s 84ms/step
>6458, dr[0.592,0.507], df[0.708,0.062], g[1.275,0.073]
1/1 [=====] - 0s 72ms/step
>6459, dr[0.592,0.920], df[0.761,0.085], g[1.043,0.086]
1/1 [=====] - 0s 81ms/step
>6460, dr[0.307,0.493], df[0.606,0.040], g[1.020,0.106]
1/1 [=====] - 0s 81ms/step
>6461, dr[0.619,0.457], df[0.602,0.069], g[1.346,0.091]
1/1 [=====] - 0s 74ms/step
>6462, dr[0.738,1.357], df[0.558,0.122], g[1.202,0.104]
1/1 [=====] - 0s 79ms/step
>6463, dr[0.472,0.523], df[0.449,0.071], g[1.103,0.130]
1/1 [=====] - 0s 74ms/step
>6464, dr[0.641,0.530], df[0.726,0.126], g[1.203,0.062]
1/1 [=====] - 0s 77ms/step
>6465, dr[0.665,0.444], df[0.483,0.106], g[1.306,0.069]
1/1 [=====] - 0s 72ms/step
>6466, dr[0.489,0.704], df[0.772,0.133], g[1.052,0.141]
1/1 [=====] - 0s 73ms/step
>6467, dr[0.535,0.356], df[0.748,0.102], g[1.070,0.170]
1/1 [=====] - 0s 83ms/step
```

```
>6468, dr[0.487,0.697], df[0.469,0.050], g[1.296,0.063]
1/1 [=====] - 0s 81ms/step
>6469, dr[0.695,0.445], df[0.587,0.035], g[1.161,0.096]
1/1 [=====] - 0s 80ms/step
>6470, dr[0.414,0.584], df[0.442,0.097], g[1.093,0.082]
1/1 [=====] - 0s 77ms/step
>6471, dr[0.770,0.903], df[0.793,0.150], g[1.262,0.142]
1/1 [=====] - 0s 73ms/step
>6472, dr[0.615,0.780], df[0.593,0.061], g[1.051,0.161]
1/1 [=====] - 0s 88ms/step
>6473, dr[0.548,0.778], df[0.495,0.076], g[1.192,0.111]
1/1 [=====] - 0s 78ms/step
>6474, dr[0.693,0.684], df[0.553,0.097], g[0.970,0.158]
1/1 [=====] - 0s 82ms/step
>6475, dr[0.595,0.483], df[0.752,0.073], g[1.155,0.102]
1/1 [=====] - 0s 74ms/step
>6476, dr[0.698,0.919], df[0.685,0.191], g[0.997,0.155]
1/1 [=====] - 0s 72ms/step
>6477, dr[0.407,0.714], df[0.744,0.087], g[1.078,0.194]
1/1 [=====] - 0s 80ms/step
>6478, dr[0.525,1.231], df[0.379,0.310], g[1.003,0.126]
1/1 [=====] - 0s 73ms/step
>6479, dr[0.419,0.410], df[0.707,0.103], g[1.227,0.045]
1/1 [=====] - 0s 78ms/step
>6480, dr[0.476,0.612], df[0.532,0.050], g[1.332,0.081]
1/1 [=====] - 0s 75ms/step
>6481, dr[0.586,0.524], df[0.594,0.060], g[1.125,0.090]
1/1 [=====] - 0s 75ms/step
>6482, dr[0.589,0.363], df[0.527,0.047], g[1.257,0.111]
1/1 [=====] - 0s 75ms/step
>6483, dr[0.458,0.496], df[0.559,0.036], g[1.021,0.109]
1/1 [=====] - 0s 72ms/step
>6484, dr[0.535,0.428], df[0.590,0.136], g[1.243,0.090]
1/1 [=====] - 0s 83ms/step
>6485, dr[0.487,1.112], df[0.641,0.109], g[1.335,0.088]
1/1 [=====] - 0s 72ms/step
>6486, dr[0.638,0.774], df[0.731,0.110], g[1.405,0.068]
1/1 [=====] - 0s 80ms/step
>6487, dr[0.490,0.833], df[0.601,0.111], g[1.151,0.146]
1/1 [=====] - 0s 78ms/step
>6488, dr[0.653,0.484], df[0.611,0.061], g[1.253,0.116]
1/1 [=====] - 0s 80ms/step
>6489, dr[0.751,0.673], df[0.405,0.057], g[1.384,0.101]
1/1 [=====] - 0s 73ms/step
>6490, dr[0.582,0.918], df[0.655,0.098], g[1.245,0.090]
1/1 [=====] - 0s 73ms/step
>6491, dr[0.694,1.153], df[0.623,0.059], g[1.237,0.079]
1/1 [=====] - 0s 79ms/step
>6492, dr[0.571,0.942], df[0.635,0.160], g[1.001,0.079]
1/1 [=====] - 0s 74ms/step
>6493, dr[0.304,0.612], df[0.599,0.061], g[1.248,0.065]
1/1 [=====] - 0s 83ms/step
>6494, dr[0.508,0.690], df[0.801,0.085], g[1.173,0.054]
1/1 [=====] - 0s 80ms/step
>6495, dr[0.632,0.555], df[0.496,0.078], g[1.379,0.093]
1/1 [=====] - 0s 75ms/step
>6496, dr[0.670,0.625], df[0.585,0.133], g[1.069,0.050]
1/1 [=====] - 0s 76ms/step
>6497, dr[0.844,1.107], df[0.376,0.084], g[1.102,0.145]
1/1 [=====] - 0s 76ms/step
```

```
>6498, dr[0.546,0.520], df[0.764,0.046], g[1.091,0.096]
1/1 [=====] - 0s 85ms/step
>6499, dr[0.386,0.820], df[0.609,0.102], g[1.082,0.085]
1/1 [=====] - 0s 73ms/step
>6500, dr[0.589,0.409], df[0.489,0.131], g[1.183,0.118]
1/1 [=====] - 0s 80ms/step
>6501, dr[0.512,0.588], df[0.719,0.100], g[1.012,0.073]
1/1 [=====] - 0s 90ms/step
>6502, dr[0.847,0.541], df[0.637,0.045], g[1.163,0.131]
1/1 [=====] - 0s 73ms/step
>6503, dr[0.489,0.853], df[0.841,0.112], g[1.203,0.118]
1/1 [=====] - 0s 77ms/step
>6504, dr[0.386,0.444], df[0.449,0.050], g[1.237,0.156]
1/1 [=====] - 0s 73ms/step
>6505, dr[0.528,0.450], df[0.569,0.232], g[0.970,0.098]
1/1 [=====] - 0s 82ms/step
>6506, dr[0.647,0.492], df[0.589,0.163], g[1.227,0.164]
1/1 [=====] - 0s 72ms/step
>6507, dr[0.725,0.395], df[0.483,0.143], g[1.124,0.132]
1/1 [=====] - 0s 79ms/step
>6508, dr[0.536,0.578], df[0.502,0.045], g[0.932,0.103]
1/1 [=====] - 0s 75ms/step
>6509, dr[0.704,0.452], df[0.684,0.047], g[1.195,0.122]
1/1 [=====] - 0s 72ms/step
>6510, dr[0.471,0.523], df[0.635,0.072], g[1.248,0.070]
1/1 [=====] - 0s 77ms/step
>6511, dr[0.481,0.458], df[0.578,0.155], g[1.102,0.071]
1/1 [=====] - 0s 71ms/step
>6512, dr[0.549,0.836], df[0.679,0.038], g[1.151,0.111]
1/1 [=====] - 0s 82ms/step
>6513, dr[0.573,0.461], df[0.534,0.091], g[1.285,0.080]
1/1 [=====] - 0s 72ms/step
>6514, dr[0.718,0.946], df[0.647,0.158], g[1.188,0.095]
1/1 [=====] - 0s 81ms/step
>6515, dr[0.680,0.496], df[0.704,0.074], g[1.258,0.082]
1/1 [=====] - 0s 75ms/step
>6516, dr[0.752,0.462], df[0.496,0.044], g[1.156,0.121]
1/1 [=====] - 0s 76ms/step
>6517, dr[0.712,0.588], df[0.741,0.099], g[1.193,0.081]
1/1 [=====] - 0s 78ms/step
>6518, dr[0.544,0.707], df[0.651,0.169], g[1.134,0.091]
1/1 [=====] - 0s 72ms/step
>6519, dr[0.454,0.511], df[0.696,0.232], g[1.291,0.174]
1/1 [=====] - 0s 81ms/step
>6520, dr[0.475,0.516], df[0.560,0.069], g[1.033,0.092]
1/1 [=====] - 0s 73ms/step
>6521, dr[0.541,0.880], df[0.520,0.069], g[1.193,0.077]
1/1 [=====] - 0s 75ms/step
>6522, dr[0.748,0.469], df[0.502,0.240], g[1.023,0.077]
1/1 [=====] - 0s 78ms/step
>6523, dr[0.674,0.550], df[0.797,0.047], g[1.246,0.105]
1/1 [=====] - 0s 75ms/step
>6524, dr[0.624,0.544], df[0.685,0.129], g[0.936,0.154]
1/1 [=====] - 0s 85ms/step
>6525, dr[0.569,0.449], df[0.550,0.146], g[0.901,0.087]
1/1 [=====] - 0s 79ms/step
>6526, dr[0.576,0.237], df[0.681,0.146], g[1.041,0.171]
1/1 [=====] - 0s 83ms/step
>6527, dr[0.558,0.535], df[0.498,0.077], g[1.197,0.096]
1/1 [=====] - 0s 99ms/step
```

```
>6528, dr[0.412,0.700], df[0.721,0.064], g[1.280,0.062]
1/1 [=====] - 0s 87ms/step
>6529, dr[0.596,0.665], df[0.502,0.097], g[1.096,0.197]
1/1 [=====] - 0s 88ms/step
>6530, dr[0.769,0.358], df[0.586,0.072], g[1.211,0.101]
1/1 [=====] - 0s 83ms/step
>6531, dr[0.653,0.791], df[0.612,0.122], g[0.907,0.056]
1/1 [=====] - 0s 80ms/step
>6532, dr[0.565,0.516], df[0.469,0.076], g[1.252,0.092]
1/1 [=====] - 0s 82ms/step
>6533, dr[0.622,0.665], df[0.452,0.123], g[1.244,0.132]
1/1 [=====] - 0s 73ms/step
>6534, dr[0.653,0.645], df[0.649,0.071], g[1.111,0.057]
1/1 [=====] - 0s 72ms/step
>6535, dr[0.462,0.764], df[0.547,0.056], g[0.963,0.095]
1/1 [=====] - 0s 76ms/step
>6536, dr[0.437,0.849], df[0.617,0.091], g[0.876,0.081]
1/1 [=====] - 0s 73ms/step
>6537, dr[0.453,0.738], df[0.630,0.108], g[1.083,0.099]
1/1 [=====] - 0s 81ms/step
>6538, dr[0.501,0.402], df[0.419,0.169], g[0.998,0.057]
1/1 [=====] - 0s 73ms/step
>6539, dr[0.564,0.507], df[0.659,0.029], g[1.007,0.091]
1/1 [=====] - 0s 78ms/step
>6540, dr[0.601,0.495], df[0.891,0.059], g[1.225,0.053]
1/1 [=====] - 0s 73ms/step
>6541, dr[0.523,0.613], df[0.560,0.033], g[1.328,0.072]
1/1 [=====] - 0s 76ms/step
>6542, dr[0.428,0.400], df[0.494,0.102], g[1.308,0.048]
1/1 [=====] - 0s 77ms/step
>6543, dr[0.521,0.610], df[0.723,0.064], g[1.441,0.109]
1/1 [=====] - 0s 74ms/step
>6544, dr[0.740,0.518], df[0.508,0.130], g[1.191,0.089]
1/1 [=====] - 0s 83ms/step
>6545, dr[0.697,0.760], df[0.469,0.035], g[1.216,0.063]
1/1 [=====] - 0s 76ms/step
>6546, dr[0.509,0.201], df[0.647,0.223], g[1.276,0.046]
1/1 [=====] - 0s 77ms/step
>6547, dr[0.574,1.227], df[0.624,0.052], g[1.325,0.083]
1/1 [=====] - 0s 79ms/step
>6548, dr[0.470,0.766], df[0.534,0.124], g[1.427,0.150]
1/1 [=====] - 0s 80ms/step
>6549, dr[0.687,0.293], df[0.628,0.085], g[1.160,0.073]
1/1 [=====] - 0s 83ms/step
>6550, dr[0.571,0.493], df[0.629,0.103], g[1.065,0.076]
1/1 [=====] - 0s 78ms/step
>6551, dr[0.503,0.494], df[0.644,0.158], g[1.186,0.120]
1/1 [=====] - 0s 72ms/step
>6552, dr[0.505,0.563], df[0.541,0.041], g[1.332,0.102]
1/1 [=====] - 0s 77ms/step
>6553, dr[0.439,0.645], df[0.677,0.137], g[1.235,0.088]
1/1 [=====] - 0s 75ms/step
>6554, dr[0.631,1.019], df[0.487,0.052], g[1.187,0.166]
1/1 [=====] - 0s 82ms/step
>6555, dr[0.574,0.867], df[0.543,0.063], g[1.595,0.071]
1/1 [=====] - 0s 73ms/step
>6556, dr[0.499,0.436], df[0.462,0.110], g[1.200,0.155]
1/1 [=====] - 0s 80ms/step
>6557, dr[0.578,0.550], df[0.645,0.057], g[1.115,0.106]
1/1 [=====] - 0s 74ms/step
```

```
>6558, dr[0.681,0.385], df[0.466,0.033], g[1.327,0.064]
1/1 [=====] - 0s 74ms/step
>6559, dr[0.707,0.679], df[0.420,0.083], g[1.029,0.107]
4/4 [=====] - 0s 69ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_6559.png and model_6559.h5
The runtime to fit this model was: 1:12:58.856574.
```

Let's show a summary of the discriminator structure.

```
In [2]: discriminator.summary()
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

10.2) Evaluate Model Performance

Let's generate fake clothing images that we can use to calculate the inception scores.

In [4]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np


model = load_model('model_6559.h5')
latent_dim = 100
n_examples = 300


# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()


# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0


# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```

n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)

```

WARNING:tensorflow:No training configuration found in the save file, so the model was *not* compiled. Compile it manually.

```

10/10 [=====] - 1s 82ms/step
10/10 [=====] - 1s 77ms/step
10/10 [=====] - 1s 67ms/step
10/10 [=====] - 1s 66ms/step
10/10 [=====] - 1s 67ms/step
10/10 [=====] - 1s 64ms/step
10/10 [=====] - 1s 63ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 70ms/step
10/10 [=====] - 1s 76ms/step
(3000, 28, 28, 1)

```

Let's calculate the inception scores.

In [5]:

```
# calculate inception score in Keras
from math import floor
```

```

from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
        subset = preprocess_input(subset)
        # predict p(y/x)
        p_yx = model.predict(subset)
        # calculate p(y)
        p_y = expand_dims(p_yx.mean(axis=0), 0)
        # calculate KL divergence using log probabilities
        kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
        # sum over classes
        sum_kl_d = kl_d.sum(axis=1)
        # average over images
        avg_kl_d = mean(sum_kl_d)
        # undo the log
        is_score = exp(avg_kl_d)
        # store
        scores.append(is_score)
    # average across images
    is_avg, is_std = mean(scores), std(scores)
    return is_avg, is_std

```

```
# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)
```

```
10/10 [=====] - 20s 2s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 17s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 15s 1s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 22s 2s/step
10/10 [=====] - 16s 2s/step
score 1.2095798 0.0067666136
```

11) Model 10 - Further Experimentation with Number Of Epochs To Fit AC-GAN

11.1) Build The Model

```
In [1]: # example of fitting an auxiliary classifier gan (ac-gan) on fashion mnsit
from numpy import zeros
from numpy import ones
from numpy import expand_dims
from numpy.random import randn
from numpy.random import randint
from keras.datasets.fashion_mnist import load_data
from keras.optimizers import Adam
from keras.models import Model
from keras.layers import Input
from keras.layers import Dense
from keras.layers import Reshape
from keras.layers import Flatten
from keras.layers import Conv2D
from keras.layers import Conv2DTranspose
from keras.layers import LeakyReLU
from keras.layers import BatchNormalization
from keras.layers import Dropout
from keras.layers import Embedding
from keras.layers import Activation
from keras.layers import Concatenate
from keras.initializers import RandomNormal
from matplotlib import pyplot
import datetime
import time
from keras.utils.vis_utils import plot_model
import numpy as np
```

```

# define the standalone discriminator model
def define_discriminator(in_shape=(28,28,1), n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # image input
    in_image = Input(shape=in_shape)
    # downsample to 14x14
    fe = Conv2D(32, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(in_image)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(64, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # downsample to 7x7
    fe = Conv2D(128, (3,3), strides=(2,2), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # normal
    fe = Conv2D(256, (3,3), padding='same', kernel_initializer=init)(fe)
    fe = BatchNormalization()(fe)
    fe = LeakyReLU(alpha=0.2)(fe)
    fe = Dropout(0.5)(fe)
    # flatten feature maps
    fe = Flatten()(fe)
    # real/fake output
    out1 = Dense(1, activation='sigmoid')(fe)
    # class label output
    out2 = Dense(n_classes, activation='softmax')(fe)
    # define model
    model = Model(in_image, [out1, out2])
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model
model.summary

# define the standalone generator model
def define_generator(latent_dim, n_classes=10):
    # weight initialization
    init = RandomNormal(stddev=0.02)
    # label input
    in_label = Input(shape=(1,))
    # embedding for categorical input
    li = Embedding(n_classes, 50)(in_label)
    # linear multiplication
    n_nodes = 7 * 7
    li = Dense(n_nodes, kernel_initializer=init)(li)
    # reshape to additional channel
    li = Reshape((7, 7, 1))(li)
    # image generator input
    in_lat = Input(shape=(latent_dim,))
    # foundation for 7x7 image
    n_nodes = 384 * 7 * 7
    gen = Dense(n_nodes, kernel_initializer=init)(in_lat)
    gen = Activation('relu')(gen)
    gen = Reshape((7, 7, 384))(gen)

```

```

# merge image gen and Label input
merge = Concatenate()([gen, li])
# upsample to 14x14
gen = Conv2DTranspose(192, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(merge)
gen = BatchNormalization()(gen)
gen = Activation('relu')(gen)
# upsample to 28x28
gen = Conv2DTranspose(1, (5,5), strides=(2,2), padding='same', kernel_initializer='he_normal')(gen)
out_layer = Activation('tanh')(gen)
# define model
model = Model([in_lat, in_label], out_layer)
return model
model.summary

# define the combined generator and discriminator model, for updating the generator
def define_gan(g_model, d_model):
    # make weights in the discriminator not trainable
    for layer in d_model.layers:
        if not isinstance(layer, BatchNormalization):
            layer.trainable = False
    # connect the outputs of the generator to the inputs of the discriminator
    gan_output = d_model(g_model.output)
    # define gan model as taking noise and label and outputting real/fake and Label output
    model = Model(g_model.input, gan_output)
    # compile model
    opt = Adam(lr=0.0002, beta_1=0.5)
    model.compile(loss=['binary_crossentropy', 'sparse_categorical_crossentropy'], opt)
    return model

# Load images
def load_real_samples():
    # Load dataset
    (trainX, trainy), (_, _) = load_data()
    # expand to 3d, e.g. add channels
    X = expand_dims(trainX, axis=-1)
    # convert from ints to floats
    X = X.astype('float32')
    # scale from [0,255] to [-1,1]
    X = (X - 127.5) / 127.5
    print(X.shape, trainy.shape)
    return [X, trainy]

# select real samples
def generate_real_samples(dataset, n_samples):
    # split into images and labels
    images, labels = dataset
    # choose random instances
    ix = randint(0, images.shape[0], n_samples)
    # select images and labels
    X, labels = images[ix], labels[ix]
    # generate class labels
    y = ones((n_samples, 1))
    return [X, labels], y

# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_classes=10):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)

```

```

# generate Labels
labels = randint(0, n_classes, n_samples)
return [z_input, labels]

# use the generator to generate n fake examples, with class labels
def generate_fake_samples(generator, latent_dim, n_samples):
    # generate points in Latent space
    z_input, labels_input = generate_latent_points(latent_dim, n_samples)
    # predict outputs
    images = generator.predict([z_input, labels_input])
    # create class labels
    y = zeros((n_samples, 1))
    return [images, labels_input], y

# generate samples and save as a plot and save the model
def summarize_performance(step, g_model, latent_dim, n_samples=100):
    # prepare fake examples
    [X, _], _ = generate_fake_samples(g_model, latent_dim, n_samples)
    # scale from [-1,1] to [0,1]
    X = (X + 1) / 2.0
    # plot images
    for i in range(100):
        # define subplot
        pyplot.subplot(10, 10, 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(X[i, :, :, 0], cmap='gray_r')
    # save plot to file
    filename1 = 'generated_plot_%04d.png' % (step+1)
    pyplot.savefig(filename1)
    pyplot.close()
    # save the generator model
    filename2 = 'model_%04d.h5' % (step+1)
    g_model.save(filename2)
    print('>Saved: %s and %s' % (filename1, filename2))

# train the generator and discriminator
def train(g_model, d_model, gan_model, dataset, latent_dim, n_epochs=15, n_batch=64):
    # calculate the number of batches per training epoch
    bat_per_epo = int(dataset[0].shape[0] / n_batch)
    # calculate the number of training iterations
    n_steps = bat_per_epo * n_epochs
    # calculate the size of half a batch of samples
    half_batch = int(n_batch / 2)
    # manually enumerate epochs
    for i in range(n_steps):
        # get randomly selected 'real' samples
        [X_real, labels_real], y_real = generate_real_samples(dataset, half_batch)
        # update discriminator model weights
        _,d_r1,d_r2 = d_model.train_on_batch(X_real, [y_real, labels_real])
        # generate 'fake' examples
        [X_fake, labels_fake], y_fake = generate_fake_samples(g_model, latent_dim, half_batch)
        # update discriminator model weights
        _,d_f,d_f2 = d_model.train_on_batch(X_fake, [y_fake, labels_fake])
        # prepare points in Latent space as input for the generator
        [z_input, z_labels] = generate_latent_points(latent_dim, n_batch)
        # create inverted labels for the fake samples
        y_gan = ones((n_batch, 1))
        # update the generator via the discriminator's error

```

```
_ ,g_1,g_2 = gan_model.train_on_batch([z_input, z_labels], [y_gan, z_labels])
# summarize loss on this batch
print('>%d, dr[%.3f,%.3f], df[%.3f,%.3f], g[%.3f,%.3f]' % (i+1, d_r1,d_r2, d_f,
# evaluate the model performance every 'epoch'
if (i+1) % (bat_per_epo * 1) == 0:
    summarize_performance(i, g_model, latent_dim)

# size of the latent space
latent_dim = 100
# create the discriminator
discriminator = define_discriminator()
# create the generator
generator = define_generator(latent_dim)
# create the gan
gan_model = define_gan(generator, discriminator)
# load image data
dataset = load_real_samples()
# train model
start_time = datetime.datetime.now()

train(generator, discriminator, gan_model, dataset, latent_dim)

end_time = datetime.datetime.now()
runtime = end_time - start_time
print(f"The runtime to fit this model was: {runtime}.")
```

```
C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
    warnings.warn(
C:\Users\steve\anaconda3\lib\site-packages\keras\optimizers\legacy\adam.py:117: UserWarning: The `lr` argument is deprecated, use `learning_rate` instead.
    super().__init__(name, **kwargs)
```

```
(60000, 28, 28, 1) (60000,)  
1/1 [=====] - 0s 203ms/step  
>1, dr[0.747,2.957], df[1.536,2.781], g[0.561,3.032]  
1/1 [=====] - 0s 73ms/step  
>2, dr[0.624,2.688], df[1.135,2.752], g[0.789,3.530]  
1/1 [=====] - 0s 76ms/step  
>3, dr[0.540,2.957], df[1.073,2.685], g[0.915,3.091]  
1/1 [=====] - 0s 83ms/step  
>4, dr[0.708,2.947], df[0.839,3.360], g[1.308,2.831]  
1/1 [=====] - 0s 72ms/step  
>5, dr[0.698,2.597], df[0.599,2.744], g[1.103,3.407]  
1/1 [=====] - 0s 82ms/step  
>6, dr[0.681,2.788], df[0.702,3.224], g[1.092,2.845]  
1/1 [=====] - 0s 74ms/step  
>7, dr[0.568,2.522], df[0.659,2.782], g[1.322,2.993]  
1/1 [=====] - 0s 69ms/step  
>8, dr[0.464,2.805], df[0.432,2.968], g[1.321,3.013]  
1/1 [=====] - 0s 74ms/step  
>9, dr[0.495,2.675], df[0.705,2.599], g[1.424,3.122]  
1/1 [=====] - 0s 72ms/step  
>10, dr[0.394,2.596], df[0.400,3.131], g[1.510,3.049]  
1/1 [=====] - 0s 99ms/step  
>11, dr[0.450,2.456], df[0.620,2.842], g[1.787,3.295]  
1/1 [=====] - 0s 70ms/step  
>12, dr[0.402,2.316], df[0.507,3.366], g[1.596,2.713]  
1/1 [=====] - 0s 99ms/step  
>13, dr[0.429,2.468], df[0.420,3.187], g[1.386,3.036]  
1/1 [=====] - 0s 100ms/step  
>14, dr[0.504,2.211], df[0.520,2.976], g[1.463,3.149]  
1/1 [=====] - 0s 85ms/step  
>15, dr[0.259,2.620], df[0.514,3.038], g[1.182,3.283]  
1/1 [=====] - 0s 84ms/step  
>16, dr[0.491,1.950], df[0.290,3.170], g[0.777,3.136]  
1/1 [=====] - 0s 79ms/step  
>17, dr[0.538,2.270], df[0.380,3.183], g[0.525,3.172]  
1/1 [=====] - 0s 79ms/step  
>18, dr[0.340,2.444], df[0.443,3.280], g[0.477,3.147]  
1/1 [=====] - 0s 79ms/step  
>19, dr[0.353,2.001], df[0.363,3.741], g[0.313,3.453]  
1/1 [=====] - 0s 87ms/step  
>20, dr[0.308,2.058], df[0.376,3.252], g[0.335,2.888]  
1/1 [=====] - 0s 89ms/step  
>21, dr[0.309,2.053], df[0.335,3.244], g[0.279,3.054]  
1/1 [=====] - 0s 95ms/step  
>22, dr[0.227,2.058], df[0.303,2.904], g[0.356,2.837]  
1/1 [=====] - 0s 91ms/step  
>23, dr[0.184,2.125], df[0.147,3.019], g[0.274,3.165]  
1/1 [=====] - 0s 105ms/step  
>24, dr[0.210,2.077], df[0.132,3.027], g[0.236,3.118]  
1/1 [=====] - 0s 100ms/step  
>25, dr[0.278,1.503], df[0.189,2.726], g[0.189,3.301]  
1/1 [=====] - 0s 79ms/step  
>26, dr[0.256,1.580], df[0.309,3.479], g[0.149,2.887]  
1/1 [=====] - 0s 89ms/step  
>27, dr[0.408,1.826], df[0.221,3.002], g[0.178,3.071]  
1/1 [=====] - 0s 79ms/step  
>28, dr[0.229,1.983], df[0.114,3.236], g[0.117,3.024]  
1/1 [=====] - 0s 83ms/step  
>29, dr[0.125,1.994], df[0.140,3.136], g[0.125,2.978]  
1/1 [=====] - 0s 93ms/step
```

```
>30, dr[0.096,1.894], df[0.284,2.660], g[0.133,3.251]
1/1 [=====] - 0s 73ms/step
>31, dr[0.196,1.626], df[0.105,3.516], g[0.112,3.268]
1/1 [=====] - 0s 91ms/step
>32, dr[0.131,2.223], df[0.198,3.002], g[0.065,3.325]
1/1 [=====] - 0s 91ms/step
>33, dr[0.143,1.635], df[0.134,3.424], g[0.099,3.061]
1/1 [=====] - 0s 86ms/step
>34, dr[0.120,1.432], df[0.179,3.132], g[0.090,2.970]
1/1 [=====] - 0s 74ms/step
>35, dr[0.173,1.462], df[0.148,3.311], g[0.078,2.977]
1/1 [=====] - 0s 76ms/step
>36, dr[0.120,1.637], df[0.067,2.973], g[0.085,2.902]
1/1 [=====] - 0s 71ms/step
>37, dr[0.121,2.015], df[0.091,3.222], g[0.046,3.237]
1/1 [=====] - 0s 72ms/step
>38, dr[0.186,1.114], df[0.088,3.506], g[0.056,3.039]
1/1 [=====] - 0s 76ms/step
>39, dr[0.095,1.512], df[0.111,2.966], g[0.036,3.065]
1/1 [=====] - 0s 71ms/step
>40, dr[0.276,1.545], df[0.094,3.337], g[0.036,2.954]
1/1 [=====] - 0s 75ms/step
>41, dr[0.142,1.549], df[0.129,3.262], g[0.084,3.188]
1/1 [=====] - 0s 82ms/step
>42, dr[0.118,2.081], df[0.160,3.022], g[0.085,3.063]
1/1 [=====] - 0s 75ms/step
>43, dr[0.128,1.725], df[0.166,3.055], g[0.093,3.011]
1/1 [=====] - 0s 82ms/step
>44, dr[0.096,1.279], df[0.219,3.444], g[0.167,3.347]
1/1 [=====] - 0s 68ms/step
>45, dr[0.088,1.346], df[0.134,3.230], g[0.146,3.562]
1/1 [=====] - 0s 68ms/step
>46, dr[0.152,1.294], df[0.109,2.920], g[0.090,3.051]
1/1 [=====] - 0s 73ms/step
>47, dr[0.160,1.166], df[0.103,3.124], g[0.094,3.204]
1/1 [=====] - 0s 70ms/step
>48, dr[0.166,1.783], df[0.090,3.110], g[0.060,3.295]
1/1 [=====] - 0s 72ms/step
>49, dr[0.128,1.546], df[0.109,3.066], g[0.057,3.211]
1/1 [=====] - 0s 88ms/step
>50, dr[0.114,1.338], df[0.076,3.239], g[0.091,3.041]
1/1 [=====] - 0s 92ms/step
>51, dr[0.215,1.931], df[0.235,3.113], g[0.070,3.270]
1/1 [=====] - 0s 70ms/step
>52, dr[0.097,1.314], df[0.088,3.141], g[0.070,3.098]
1/1 [=====] - 0s 74ms/step
>53, dr[0.056,1.174], df[0.090,3.611], g[0.046,2.810]
1/1 [=====] - 0s 73ms/step
>54, dr[0.127,1.572], df[0.148,2.669], g[0.070,3.321]
1/1 [=====] - 0s 75ms/step
>55, dr[0.097,1.323], df[0.070,3.553], g[0.101,3.363]
1/1 [=====] - 0s 71ms/step
>56, dr[0.149,1.537], df[0.076,3.349], g[0.090,2.959]
1/1 [=====] - 0s 81ms/step
>57, dr[0.080,1.324], df[0.120,2.952], g[0.110,3.179]
1/1 [=====] - 0s 78ms/step
>58, dr[0.106,1.327], df[0.063,3.098], g[0.097,2.946]
1/1 [=====] - 0s 75ms/step
>59, dr[0.117,1.376], df[0.122,3.170], g[0.076,3.061]
1/1 [=====] - 0s 78ms/step
```

```
>60, dr[0.063,1.352], df[0.114,3.014], g[0.092,3.381]
1/1 [=====] - 0s 76ms/step
>61, dr[0.066,0.838], df[0.096,3.234], g[0.115,3.135]
1/1 [=====] - 0s 76ms/step
>62, dr[0.065,1.615], df[0.043,3.165], g[0.078,2.924]
1/1 [=====] - 0s 72ms/step
>63, dr[0.128,1.200], df[0.052,3.150], g[0.047,2.951]
1/1 [=====] - 0s 83ms/step
>64, dr[0.136,1.439], df[0.089,2.905], g[0.048,3.057]
1/1 [=====] - 0s 76ms/step
>65, dr[0.026,1.565], df[0.079,3.115], g[0.083,3.082]
1/1 [=====] - 0s 77ms/step
>66, dr[0.199,1.506], df[0.086,3.022], g[0.085,2.960]
1/1 [=====] - 0s 74ms/step
>67, dr[0.059,1.740], df[0.139,3.292], g[0.086,2.783]
1/1 [=====] - 0s 69ms/step
>68, dr[0.095,1.411], df[0.050,3.246], g[0.097,2.977]
1/1 [=====] - 0s 73ms/step
>69, dr[0.102,1.257], df[0.095,3.564], g[0.057,2.871]
1/1 [=====] - 0s 72ms/step
>70, dr[0.096,1.345], df[0.161,2.896], g[0.100,2.963]
1/1 [=====] - 0s 76ms/step
>71, dr[0.042,1.127], df[0.082,3.575], g[0.110,3.110]
1/1 [=====] - 0s 75ms/step
>72, dr[0.134,1.103], df[0.077,2.956], g[0.124,3.444]
1/1 [=====] - 0s 76ms/step
>73, dr[0.121,1.349], df[0.037,2.822], g[0.107,3.455]
1/1 [=====] - 0s 76ms/step
>74, dr[0.162,1.107], df[0.183,3.092], g[0.117,3.071]
1/1 [=====] - 0s 68ms/step
>75, dr[0.072,1.213], df[0.051,3.146], g[0.082,3.530]
1/1 [=====] - 0s 90ms/step
>76, dr[0.062,1.226], df[0.029,3.062], g[0.122,3.455]
1/1 [=====] - 0s 83ms/step
>77, dr[0.159,1.672], df[0.032,2.826], g[0.075,3.167]
1/1 [=====] - 0s 79ms/step
>78, dr[0.033,1.101], df[0.144,3.227], g[0.071,3.007]
1/1 [=====] - 0s 76ms/step
>79, dr[0.029,1.077], df[0.074,3.195], g[0.125,3.115]
1/1 [=====] - 0s 78ms/step
>80, dr[0.062,0.981], df[0.072,2.776], g[0.115,3.098]
1/1 [=====] - 0s 120ms/step
>81, dr[0.096,1.291], df[0.087,2.985], g[0.080,3.094]
1/1 [=====] - 0s 298ms/step
>82, dr[0.216,1.733], df[0.268,2.774], g[0.153,2.933]
1/1 [=====] - 0s 111ms/step
>83, dr[0.113,1.449], df[0.202,3.104], g[0.274,3.299]
1/1 [=====] - 0s 84ms/step
>84, dr[0.162,1.258], df[0.237,3.738], g[0.224,3.234]
1/1 [=====] - 0s 142ms/step
>85, dr[0.346,0.870], df[0.065,2.756], g[0.237,3.223]
1/1 [=====] - 0s 87ms/step
>86, dr[0.148,1.344], df[0.222,3.028], g[0.161,2.844]
1/1 [=====] - 0s 90ms/step
>87, dr[0.133,1.294], df[0.126,3.428], g[0.117,3.391]
1/1 [=====] - 0s 90ms/step
>88, dr[0.148,1.710], df[0.067,3.309], g[0.128,3.119]
1/1 [=====] - 0s 85ms/step
>89, dr[0.101,1.440], df[0.134,3.200], g[0.170,3.147]
1/1 [=====] - 0s 86ms/step
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>90, dr[0.124,1.131], df[0.019,2.652], g[0.094,3.062]
1/1 [=====] - 0s 91ms/step
>91, dr[0.057,1.161], df[0.048,2.826], g[0.077,3.124]
1/1 [=====] - 0s 80ms/step
>92, dr[0.125,0.888], df[0.036,2.943], g[0.056,3.422]
1/1 [=====] - 0s 89ms/step
>93, dr[0.093,1.059], df[0.120,3.161], g[0.025,2.858]
1/1 [=====] - 0s 79ms/step
>94, dr[0.057,1.111], df[0.251,3.161], g[0.076,3.205]
1/1 [=====] - 0s 84ms/step
>95, dr[0.058,1.055], df[0.115,2.719], g[0.112,2.894]
1/1 [=====] - 0s 76ms/step
>96, dr[0.145,1.094], df[0.139,3.152], g[0.120,3.187]
1/1 [=====] - 0s 95ms/step
>97, dr[0.137,1.295], df[0.105,2.591], g[0.159,2.876]
1/1 [=====] - 0s 83ms/step
>98, dr[0.069,0.915], df[0.145,3.169], g[0.124,2.809]
1/1 [=====] - 0s 79ms/step
>99, dr[0.074,1.300], df[0.140,3.515], g[0.216,3.119]
1/1 [=====] - 0s 85ms/step
>100, dr[0.128,1.101], df[0.077,2.602], g[0.179,2.902]
1/1 [=====] - 0s 80ms/step
>101, dr[0.095,1.069], df[0.093,3.011], g[0.125,2.836]
1/1 [=====] - 0s 82ms/step
>102, dr[0.147,0.970], df[0.100,2.960], g[0.062,2.808]
1/1 [=====] - 0s 75ms/step
>103, dr[0.247,1.055], df[0.213,3.053], g[0.097,3.221]
1/1 [=====] - 0s 71ms/step
>104, dr[0.111,0.704], df[0.107,2.249], g[0.132,2.638]
1/1 [=====] - 0s 76ms/step
>105, dr[0.133,1.081], df[0.134,2.728], g[0.118,2.848]
1/1 [=====] - 0s 75ms/step
>106, dr[0.144,1.389], df[0.077,2.547], g[0.085,2.594]
1/1 [=====] - 0s 83ms/step
>107, dr[0.175,1.323], df[0.116,3.030], g[0.062,2.851]
1/1 [=====] - 0s 66ms/step
>108, dr[0.097,1.227], df[0.096,2.620], g[0.122,2.325]
1/1 [=====] - 0s 74ms/step
>109, dr[0.114,0.843], df[0.059,2.652], g[0.093,2.511]
1/1 [=====] - 0s 78ms/step
>110, dr[0.061,1.062], df[0.140,2.832], g[0.106,2.674]
1/1 [=====] - 0s 75ms/step
>111, dr[0.239,0.909], df[0.145,2.812], g[0.087,2.665]
1/1 [=====] - 0s 68ms/step
>112, dr[0.106,1.058], df[0.080,2.653], g[0.115,2.382]
1/1 [=====] - 0s 73ms/step
>113, dr[0.080,1.097], df[0.206,2.809], g[0.082,2.471]
1/1 [=====] - 0s 73ms/step
>114, dr[0.072,0.931], df[0.152,2.351], g[0.188,2.558]
1/1 [=====] - 0s 79ms/step
>115, dr[0.068,0.734], df[0.076,2.168], g[0.188,2.485]
1/1 [=====] - 0s 72ms/step
>116, dr[0.262,0.931], df[0.120,2.865], g[0.080,2.547]
1/1 [=====] - 0s 71ms/step
>117, dr[0.193,1.129], df[0.439,2.042], g[0.058,2.524]
1/1 [=====] - 0s 69ms/step
>118, dr[0.225,0.900], df[0.075,2.423], g[0.092,2.314]
1/1 [=====] - 0s 70ms/step
>119, dr[0.103,0.962], df[0.114,2.131], g[0.068,2.167]
1/1 [=====] - 0s 80ms/step
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>120, dr[0.167,1.028], df[0.179,2.834], g[0.047,2.008]
1/1 [=====] - 0s 65ms/step
>121, dr[0.137,0.862], df[0.288,2.439], g[0.151,1.870]
1/1 [=====] - 0s 84ms/step
>122, dr[0.111,1.175], df[0.091,2.131], g[0.069,2.315]
1/1 [=====] - 0s 70ms/step
>123, dr[0.233,1.090], df[0.050,2.377], g[0.060,2.211]
1/1 [=====] - 0s 74ms/step
>124, dr[0.083,1.129], df[0.100,2.507], g[0.067,2.046]
1/1 [=====] - 0s 76ms/step
>125, dr[0.074,1.070], df[0.111,1.990], g[0.066,1.630]
1/1 [=====] - 0s 73ms/step
>126, dr[0.100,0.889], df[0.130,2.540], g[0.083,1.436]
1/1 [=====] - 0s 67ms/step
>127, dr[0.050,0.666], df[0.100,1.982], g[0.054,1.711]
1/1 [=====] - 0s 70ms/step
>128, dr[0.037,1.159], df[0.173,1.573], g[0.135,1.842]
1/1 [=====] - 0s 69ms/step
>129, dr[0.036,1.080], df[0.097,1.444], g[0.145,1.686]
1/1 [=====] - 0s 72ms/step
>130, dr[0.266,1.434], df[0.080,1.789], g[0.101,1.477]
1/1 [=====] - 0s 67ms/step
>131, dr[0.240,1.054], df[0.135,1.470], g[0.077,1.751]
1/1 [=====] - 0s 68ms/step
>132, dr[0.066,1.468], df[0.044,1.688], g[0.049,1.544]
1/1 [=====] - 0s 73ms/step
>133, dr[0.060,0.822], df[0.055,1.136], g[0.076,1.435]
1/1 [=====] - 0s 71ms/step
>134, dr[0.062,0.999], df[0.076,1.809], g[0.078,1.089]
1/1 [=====] - 0s 83ms/step
>135, dr[0.065,1.042], df[0.183,1.190], g[0.108,1.195]
1/1 [=====] - 0s 77ms/step
>136, dr[0.051,1.004], df[0.034,1.494], g[0.117,1.326]
1/1 [=====] - 0s 80ms/step
>137, dr[0.067,1.113], df[0.143,1.005], g[0.098,1.126]
1/1 [=====] - 0s 74ms/step
>138, dr[0.129,1.248], df[0.078,1.445], g[0.067,1.303]
1/1 [=====] - 0s 70ms/step
>139, dr[0.181,1.239], df[0.121,1.265], g[0.036,1.004]
1/1 [=====] - 0s 67ms/step
>140, dr[0.073,0.741], df[0.092,1.117], g[0.050,1.390]
1/1 [=====] - 0s 69ms/step
>141, dr[0.053,1.059], df[0.145,1.133], g[0.078,1.093]
1/1 [=====] - 0s 72ms/step
>142, dr[0.217,0.981], df[0.032,1.070], g[0.035,1.068]
1/1 [=====] - 0s 67ms/step
>143, dr[0.144,0.451], df[0.183,0.858], g[0.078,0.943]
1/1 [=====] - 0s 83ms/step
>144, dr[0.067,1.042], df[0.079,0.891], g[0.085,0.823]
1/1 [=====] - 0s 75ms/step
>145, dr[0.036,0.475], df[0.083,0.918], g[0.097,1.168]
1/1 [=====] - 0s 108ms/step
>146, dr[0.056,0.916], df[0.091,1.256], g[0.163,0.915]
1/1 [=====] - 0s 75ms/step
>147, dr[0.097,1.030], df[0.222,1.207], g[0.188,0.966]
1/1 [=====] - 0s 92ms/step
>148, dr[0.256,0.796], df[0.044,1.094], g[0.080,0.923]
1/1 [=====] - 0s 104ms/step
>149, dr[0.201,0.925], df[0.052,0.992], g[0.026,0.902]
1/1 [=====] - 0s 94ms/step
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>150, dr[0.074,0.811], df[0.184,0.710], g[0.031,1.023]
1/1 [=====] - 0s 88ms/step
>151, dr[0.222,0.793], df[0.036,0.849], g[0.033,0.877]
1/1 [=====] - 0s 86ms/step
>152, dr[0.088,1.129], df[0.031,0.783], g[0.055,0.729]
1/1 [=====] - 0s 74ms/step
>153, dr[0.091,0.870], df[0.079,0.565], g[0.036,0.647]
1/1 [=====] - 0s 95ms/step
>154, dr[0.123,0.842], df[0.006,0.856], g[0.054,0.602]
1/1 [=====] - 0s 97ms/step
>155, dr[0.071,1.143], df[0.031,0.796], g[0.017,0.367]
1/1 [=====] - 0s 91ms/step
>156, dr[0.049,0.903], df[0.283,0.546], g[0.024,0.636]
1/1 [=====] - 0s 68ms/step
>157, dr[0.051,0.948], df[0.008,0.634], g[0.020,0.698]
1/1 [=====] - 0s 73ms/step
>158, dr[0.029,1.260], df[0.016,0.685], g[0.023,0.681]
1/1 [=====] - 0s 70ms/step
>159, dr[0.070,1.849], df[0.028,0.627], g[0.019,0.770]
1/1 [=====] - 0s 73ms/step
>160, dr[0.040,1.083], df[0.134,0.650], g[0.032,0.747]
1/1 [=====] - 0s 65ms/step
>161, dr[0.032,0.871], df[0.044,0.547], g[0.083,0.554]
1/1 [=====] - 0s 71ms/step
>162, dr[0.099,1.134], df[0.022,0.669], g[0.071,0.712]
1/1 [=====] - 0s 67ms/step
>163, dr[0.070,1.239], df[0.025,0.682], g[0.027,0.663]
1/1 [=====] - 0s 78ms/step
>164, dr[0.062,1.744], df[0.142,0.557], g[0.025,0.373]
1/1 [=====] - 0s 68ms/step
>165, dr[0.033,1.423], df[0.018,0.714], g[0.047,0.387]
1/1 [=====] - 0s 68ms/step
>166, dr[0.040,0.915], df[0.043,0.714], g[0.049,0.464]
1/1 [=====] - 0s 71ms/step
>167, dr[0.107,0.823], df[0.031,0.722], g[0.018,0.479]
1/1 [=====] - 0s 82ms/step
>168, dr[0.029,1.089], df[0.078,0.421], g[0.038,0.504]
1/1 [=====] - 0s 68ms/step
>169, dr[0.069,0.688], df[0.093,0.552], g[0.023,0.498]
1/1 [=====] - 0s 90ms/step
>170, dr[0.067,1.256], df[0.022,0.645], g[0.032,0.444]
1/1 [=====] - 0s 103ms/step
>171, dr[0.106,1.008], df[0.099,0.462], g[0.043,0.407]
1/1 [=====] - 0s 102ms/step
>172, dr[0.025,1.129], df[0.029,0.345], g[0.044,0.427]
1/1 [=====] - 0s 79ms/step
>173, dr[0.143,0.859], df[0.097,0.461], g[0.045,0.386]
1/1 [=====] - 0s 90ms/step
>174, dr[0.057,0.748], df[0.050,0.308], g[0.029,0.427]
1/1 [=====] - 0s 79ms/step
>175, dr[0.039,0.920], df[0.057,0.440], g[0.045,0.456]
1/1 [=====] - 0s 112ms/step
>176, dr[0.029,1.196], df[0.056,0.394], g[0.088,0.343]
1/1 [=====] - 0s 93ms/step
>177, dr[0.140,1.063], df[0.036,0.526], g[0.033,0.303]
1/1 [=====] - 0s 70ms/step
>178, dr[0.029,1.056], df[0.099,0.340], g[0.030,0.355]
1/1 [=====] - 0s 78ms/step
>179, dr[0.051,1.023], df[0.100,0.509], g[0.053,0.378]
1/1 [=====] - 0s 90ms/step
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>180, dr[0.036,0.821], df[0.038,0.464], g[0.079,0.229]
1/1 [=====] - 0s 86ms/step
>181, dr[0.151,1.894], df[0.099,0.359], g[0.035,0.490]
1/1 [=====] - 0s 82ms/step
>182, dr[0.032,1.093], df[0.051,0.286], g[0.031,0.291]
1/1 [=====] - 0s 73ms/step
>183, dr[0.062,1.085], df[0.013,0.389], g[0.028,0.391]
1/1 [=====] - 0s 78ms/step
>184, dr[0.061,1.113], df[0.155,0.345], g[0.055,0.275]
1/1 [=====] - 0s 79ms/step
>185, dr[0.084,1.230], df[0.030,0.370], g[0.041,0.389]
1/1 [=====] - 0s 76ms/step
>186, dr[0.034,1.026], df[0.080,0.386], g[0.097,0.318]
1/1 [=====] - 0s 76ms/step
>187, dr[0.059,0.793], df[0.022,0.291], g[0.032,0.269]
1/1 [=====] - 0s 80ms/step
>188, dr[0.037,1.466], df[0.107,0.197], g[0.047,0.217]
1/1 [=====] - 0s 84ms/step
>189, dr[0.026,1.142], df[0.028,0.337], g[0.118,0.285]
1/1 [=====] - 0s 87ms/step
>190, dr[0.043,0.851], df[0.014,0.360], g[0.050,0.208]
1/1 [=====] - 0s 79ms/step
>191, dr[0.063,1.000], df[0.092,0.438], g[0.030,0.381]
1/1 [=====] - 0s 80ms/step
>192, dr[0.055,0.756], df[0.040,0.395], g[0.040,0.210]
1/1 [=====] - 0s 76ms/step
>193, dr[0.056,0.628], df[0.049,0.316], g[0.011,0.228]
1/1 [=====] - 0s 80ms/step
>194, dr[0.021,0.808], df[0.064,0.252], g[0.019,0.287]
1/1 [=====] - 0s 74ms/step
>195, dr[0.060,1.231], df[0.016,0.461], g[0.089,0.162]
1/1 [=====] - 0s 79ms/step
>196, dr[0.040,1.187], df[0.098,0.300], g[0.052,0.200]
1/1 [=====] - 0s 87ms/step
>197, dr[0.106,0.809], df[0.032,0.329], g[0.069,0.169]
1/1 [=====] - 0s 78ms/step
>198, dr[0.068,0.905], df[0.101,0.270], g[0.064,0.111]
1/1 [=====] - 0s 94ms/step
>199, dr[0.075,1.497], df[0.034,0.269], g[0.061,0.188]
1/1 [=====] - 0s 135ms/step
>200, dr[0.069,0.967], df[0.074,0.229], g[0.033,0.313]
1/1 [=====] - 0s 79ms/step
>201, dr[0.059,1.095], df[0.006,0.157], g[0.072,0.178]
1/1 [=====] - 0s 102ms/step
>202, dr[0.068,0.888], df[0.072,0.250], g[0.032,0.156]
1/1 [=====] - 0s 92ms/step
>203, dr[0.075,1.457], df[0.031,0.188], g[0.068,0.162]
1/1 [=====] - 0s 81ms/step
>204, dr[0.030,0.889], df[0.025,0.302], g[0.028,0.179]
1/1 [=====] - 0s 124ms/step
>205, dr[0.055,0.950], df[0.145,0.251], g[0.039,0.257]
1/1 [=====] - 0s 98ms/step
>206, dr[0.075,0.887], df[0.019,0.239], g[0.054,0.227]
1/1 [=====] - 0s 94ms/step
>207, dr[0.065,1.009], df[0.012,0.139], g[0.017,0.177]
1/1 [=====] - 0s 126ms/step
>208, dr[0.021,0.839], df[0.151,0.137], g[0.150,0.194]
1/1 [=====] - 0s 114ms/step
>209, dr[0.091,0.873], df[0.015,0.408], g[0.092,0.177]
1/1 [=====] - 0s 87ms/step
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>210, dr[0.157,1.409], df[0.096,0.150], g[0.046,0.283]
1/1 [=====] - 0s 99ms/step
>211, dr[0.040,0.738], df[0.048,0.167], g[0.039,0.334]
1/1 [=====] - 0s 91ms/step
>212, dr[0.043,1.291], df[0.007,0.387], g[0.062,0.253]
1/1 [=====] - 0s 83ms/step
>213, dr[0.098,1.912], df[0.038,0.210], g[0.019,0.190]
1/1 [=====] - 0s 88ms/step
>214, dr[0.043,0.848], df[0.173,0.156], g[0.077,0.159]
1/1 [=====] - 0s 81ms/step
>215, dr[0.080,0.756], df[0.002,0.256], g[0.052,0.252]
1/1 [=====] - 0s 73ms/step
>216, dr[0.060,0.894], df[0.004,0.294], g[0.013,0.226]
1/1 [=====] - 0s 83ms/step
>217, dr[0.027,0.655], df[0.391,0.135], g[0.234,0.119]
1/1 [=====] - 0s 68ms/step
>218, dr[0.084,0.915], df[0.001,0.299], g[0.261,0.200]
1/1 [=====] - 0s 75ms/step
>219, dr[0.171,0.665], df[0.034,0.252], g[0.035,0.249]
1/1 [=====] - 0s 79ms/step
>220, dr[0.044,1.361], df[0.100,0.420], g[0.027,0.291]
1/1 [=====] - 0s 67ms/step
>221, dr[0.055,0.682], df[0.021,0.175], g[0.046,0.301]
1/1 [=====] - 0s 80ms/step
>222, dr[0.048,0.800], df[0.116,0.232], g[0.058,0.298]
1/1 [=====] - 0s 70ms/step
>223, dr[0.031,0.660], df[0.019,0.327], g[0.099,0.164]
1/1 [=====] - 0s 85ms/step
>224, dr[0.043,0.891], df[0.021,0.340], g[0.024,0.187]
1/1 [=====] - 0s 75ms/step
>225, dr[0.223,0.847], df[0.193,0.251], g[0.042,0.165]
1/1 [=====] - 0s 84ms/step
>226, dr[0.067,0.906], df[0.002,0.212], g[0.098,0.189]
1/1 [=====] - 0s 94ms/step
>227, dr[0.065,0.972], df[0.004,0.192], g[0.019,0.126]
1/1 [=====] - 0s 77ms/step
>228, dr[0.069,1.029], df[0.076,0.275], g[0.017,0.189]
1/1 [=====] - 0s 71ms/step
>229, dr[0.048,0.718], df[0.023,0.198], g[0.026,0.101]
1/1 [=====] - 0s 66ms/step
>230, dr[0.033,0.824], df[0.029,0.099], g[0.034,0.107]
1/1 [=====] - 0s 75ms/step
>231, dr[0.024,1.258], df[0.015,0.132], g[0.032,0.113]
1/1 [=====] - 0s 66ms/step
>232, dr[0.029,1.264], df[0.020,0.116], g[0.026,0.095]
1/1 [=====] - 0s 70ms/step
>233, dr[0.013,0.495], df[0.011,0.107], g[0.022,0.162]
1/1 [=====] - 0s 74ms/step
>234, dr[0.064,1.170], df[0.030,0.155], g[0.017,0.104]
1/1 [=====] - 0s 70ms/step
>235, dr[0.017,0.627], df[0.183,0.095], g[0.215,0.146]
1/1 [=====] - 0s 65ms/step
>236, dr[0.236,1.141], df[0.001,0.151], g[0.031,0.179]
1/1 [=====] - 0s 65ms/step
>237, dr[0.042,0.719], df[0.006,0.307], g[0.005,0.205]
1/1 [=====] - 0s 68ms/step
>238, dr[0.013,0.869], df[0.130,0.137], g[0.063,0.148]
1/1 [=====] - 0s 66ms/step
>239, dr[0.107,0.880], df[0.002,0.161], g[0.053,0.225]
1/1 [=====] - 0s 70ms/step
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>240, dr[0.034,0.564], df[0.017,0.136], g[0.016,0.081]
1/1 [=====] - 0s 66ms/step
>241, dr[0.041,0.763], df[0.043,0.223], g[0.011,0.086]
1/1 [=====] - 0s 74ms/step
>242, dr[0.061,0.391], df[0.034,0.088], g[0.015,0.071]
1/1 [=====] - 0s 64ms/step
>243, dr[0.044,1.326], df[0.026,0.086], g[0.022,0.142]
1/1 [=====] - 0s 72ms/step
>244, dr[0.025,0.681], df[0.050,0.122], g[0.038,0.102]
1/1 [=====] - 0s 65ms/step
>245, dr[0.025,0.754], df[0.035,0.133], g[0.080,0.145]
1/1 [=====] - 0s 78ms/step
>246, dr[0.115,1.081], df[0.003,0.190], g[0.034,0.104]
1/1 [=====] - 0s 69ms/step
>247, dr[0.047,0.658], df[0.041,0.036], g[0.037,0.117]
1/1 [=====] - 0s 77ms/step
>248, dr[0.017,0.652], df[0.061,0.075], g[0.128,0.063]
1/1 [=====] - 0s 77ms/step
>249, dr[0.039,0.957], df[0.005,0.114], g[0.073,0.132]
1/1 [=====] - 0s 88ms/step
>250, dr[0.031,0.722], df[0.172,0.065], g[0.039,0.141]
1/1 [=====] - 0s 79ms/step
>251, dr[0.041,0.639], df[0.017,0.088], g[0.037,0.099]
1/1 [=====] - 0s 77ms/step
>252, dr[0.111,0.968], df[0.152,0.154], g[0.136,0.183]
1/1 [=====] - 0s 71ms/step
>253, dr[0.045,0.889], df[0.003,0.109], g[0.208,0.090]
1/1 [=====] - 0s 73ms/step
>254, dr[0.059,0.644], df[0.019,0.046], g[0.013,0.180]
1/1 [=====] - 0s 70ms/step
>255, dr[0.026,0.618], df[0.060,0.128], g[0.030,0.183]
1/1 [=====] - 0s 72ms/step
>256, dr[0.042,0.658], df[0.014,0.241], g[0.058,0.125]
1/1 [=====] - 0s 70ms/step
>257, dr[0.034,1.067], df[0.003,0.130], g[0.041,0.096]
1/1 [=====] - 0s 76ms/step
>258, dr[0.018,0.454], df[0.058,0.117], g[0.034,0.129]
1/1 [=====] - 0s 74ms/step
>259, dr[0.018,0.972], df[0.011,0.102], g[0.045,0.163]
1/1 [=====] - 0s 70ms/step
>260, dr[0.020,0.868], df[0.028,0.110], g[0.034,0.082]
1/1 [=====] - 0s 71ms/step
>261, dr[0.057,1.201], df[0.010,0.066], g[0.092,0.118]
1/1 [=====] - 0s 68ms/step
>262, dr[0.027,1.216], df[0.036,0.168], g[0.028,0.114]
1/1 [=====] - 0s 70ms/step
>263, dr[0.023,0.759], df[0.035,0.082], g[0.093,0.116]
1/1 [=====] - 0s 66ms/step
>264, dr[0.029,1.025], df[0.018,0.132], g[0.045,0.164]
1/1 [=====] - 0s 72ms/step
>265, dr[0.017,0.732], df[0.052,0.076], g[0.025,0.112]
1/1 [=====] - 0s 67ms/step
>266, dr[0.041,0.743], df[0.013,0.083], g[0.049,0.080]
1/1 [=====] - 0s 73ms/step
>267, dr[0.112,0.700], df[0.041,0.098], g[0.100,0.079]
1/1 [=====] - 0s 65ms/step
>268, dr[0.118,1.245], df[0.008,0.061], g[0.011,0.042]
1/1 [=====] - 0s 71ms/step
>269, dr[0.005,0.872], df[0.194,0.048], g[1.054,0.089]
1/1 [=====] - 0s 66ms/step
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>270, dr[0.148,0.930], df[0.061,0.298], g[0.253,0.212]
1/1 [=====] - 0s 66ms/step
>271, dr[0.099,0.337], df[0.166,0.064], g[0.366,0.441]
1/1 [=====] - 0s 70ms/step
>272, dr[0.302,0.929], df[0.107,0.227], g[0.045,0.116]
1/1 [=====] - 0s 80ms/step
>273, dr[0.034,0.745], df[0.033,0.317], g[0.045,0.276]
1/1 [=====] - 0s 75ms/step
>274, dr[0.049,0.613], df[0.020,0.164], g[0.049,0.151]
1/1 [=====] - 0s 75ms/step
>275, dr[0.028,0.960], df[0.013,0.222], g[0.087,0.160]
1/1 [=====] - 0s 95ms/step
>276, dr[0.006,0.848], df[0.012,0.094], g[0.031,0.040]
1/1 [=====] - 0s 73ms/step
>277, dr[0.021,0.889], df[0.005,0.106], g[0.022,0.194]
1/1 [=====] - 0s 89ms/step
>278, dr[0.010,1.338], df[0.029,0.091], g[0.137,0.084]
1/1 [=====] - 0s 80ms/step
>279, dr[0.042,0.766], df[0.009,0.102], g[0.063,0.109]
1/1 [=====] - 0s 77ms/step
>280, dr[0.017,0.938], df[0.030,0.069], g[0.072,0.176]
1/1 [=====] - 0s 103ms/step
>281, dr[0.032,0.433], df[0.006,0.085], g[0.133,0.115]
1/1 [=====] - 0s 83ms/step
>282, dr[0.051,0.963], df[0.089,0.086], g[0.221,0.095]
1/1 [=====] - 0s 74ms/step
>283, dr[0.043,0.466], df[0.006,0.070], g[0.437,0.160]
1/1 [=====] - 0s 80ms/step
>284, dr[0.047,0.825], df[0.021,0.073], g[0.111,0.107]
1/1 [=====] - 0s 70ms/step
>285, dr[0.035,0.701], df[0.119,0.051], g[1.095,0.250]
1/1 [=====] - 0s 73ms/step
>286, dr[0.101,0.525], df[0.002,0.145], g[0.343,0.151]
1/1 [=====] - 0s 71ms/step
>287, dr[0.038,0.882], df[0.199,0.123], g[2.384,0.340]
1/1 [=====] - 0s 74ms/step
>288, dr[0.388,1.003], df[0.019,0.160], g[0.195,0.403]
1/1 [=====] - 0s 70ms/step
>289, dr[0.023,1.020], df[0.189,0.101], g[1.058,0.354]
1/1 [=====] - 0s 82ms/step
>290, dr[0.026,0.785], df[0.029,0.321], g[1.585,0.368]
1/1 [=====] - 0s 74ms/step
>291, dr[0.081,0.687], df[0.485,0.539], g[2.916,0.850]
1/1 [=====] - 0s 68ms/step
>292, dr[0.716,0.964], df[0.209,0.517], g[0.440,0.426]
1/1 [=====] - 0s 84ms/step
>293, dr[0.012,0.760], df[0.016,0.228], g[0.436,0.317]
1/1 [=====] - 0s 81ms/step
>294, dr[0.022,0.758], df[0.006,0.240], g[0.177,0.161]
1/1 [=====] - 0s 70ms/step
>295, dr[0.014,0.702], df[0.051,0.217], g[0.198,0.122]
1/1 [=====] - 0s 68ms/step
>296, dr[0.029,0.683], df[0.027,0.102], g[0.204,0.105]
1/1 [=====] - 0s 67ms/step
>297, dr[0.014,0.742], df[0.114,0.072], g[0.410,0.120]
1/1 [=====] - 0s 68ms/step
>298, dr[0.018,1.352], df[0.022,0.052], g[0.224,0.153]
1/1 [=====] - 0s 70ms/step
>299, dr[0.128,1.088], df[0.191,0.070], g[0.768,0.113]
1/1 [=====] - 0s 80ms/step
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>300, dr[0.082,0.579], df[0.064,0.039], g[1.463,0.156]
1/1 [=====] - 0s 65ms/step
>301, dr[0.284,0.669], df[1.173,0.049], g[14.659,0.689]
1/1 [=====] - 0s 73ms/step
>302, dr[3.392,0.753], df[0.026,0.299], g[1.289,0.602]
1/1 [=====] - 0s 69ms/step
>303, dr[0.024,1.828], df[5.499,0.341], g[4.157,0.369]
1/1 [=====] - 0s 77ms/step
>304, dr[0.357,0.916], df[0.237,0.791], g[6.643,0.411]
1/1 [=====] - 0s 67ms/step
>305, dr[1.859,0.831], df[0.119,0.799], g[0.295,0.273]
1/1 [=====] - 0s 83ms/step
>306, dr[0.015,0.621], df[0.081,1.071], g[0.150,0.302]
1/1 [=====] - 0s 74ms/step
>307, dr[0.036,0.825], df[0.050,0.885], g[0.239,0.450]
1/1 [=====] - 0s 80ms/step
>308, dr[0.025,1.457], df[0.015,0.850], g[0.253,0.309]
1/1 [=====] - 0s 77ms/step
>309, dr[0.006,0.921], df[0.026,0.370], g[0.185,0.245]
1/1 [=====] - 0s 75ms/step
>310, dr[0.037,1.409], df[0.084,0.186], g[0.231,0.192]
1/1 [=====] - 0s 76ms/step
>311, dr[0.032,1.517], df[0.069,0.200], g[0.273,0.148]
1/1 [=====] - 0s 67ms/step
>312, dr[0.042,0.656], df[0.039,0.109], g[0.308,0.116]
1/1 [=====] - 0s 80ms/step
>313, dr[0.041,0.546], df[0.117,0.130], g[0.271,0.107]
1/1 [=====] - 0s 68ms/step
>314, dr[0.021,0.754], df[0.099,0.088], g[0.374,0.134]
1/1 [=====] - 0s 83ms/step
>315, dr[0.212,1.641], df[0.582,0.056], g[1.028,0.181]
1/1 [=====] - 0s 66ms/step
>316, dr[0.193,0.518], df[1.156,0.061], g[4.955,0.070]
1/1 [=====] - 0s 74ms/step
>317, dr[3.004,0.626], df[3.165,0.515], g[8.585,0.325]
1/1 [=====] - 0s 73ms/step
>318, dr[2.613,1.420], df[0.000,1.487], g[5.620,0.189]
1/1 [=====] - 0s 89ms/step
>319, dr[0.470,1.661], df[0.142,0.131], g[1.503,0.070]
1/1 [=====] - 0s 74ms/step
>320, dr[0.130,0.801], df[2.591,0.058], g[3.039,0.063]
1/1 [=====] - 0s 74ms/step
>321, dr[0.551,1.194], df[0.944,0.090], g[4.977,0.172]
1/1 [=====] - 0s 80ms/step
>322, dr[1.829,0.776], df[1.034,0.538], g[3.563,0.169]
1/1 [=====] - 0s 69ms/step
>323, dr[1.592,0.453], df[0.495,0.551], g[1.847,0.173]
1/1 [=====] - 0s 80ms/step
>324, dr[0.262,0.729], df[0.029,0.500], g[0.951,0.222]
1/1 [=====] - 0s 81ms/step
>325, dr[0.191,0.769], df[0.125,0.390], g[0.511,0.166]
1/1 [=====] - 0s 74ms/step
>326, dr[0.082,1.150], df[0.097,0.173], g[0.353,0.152]
1/1 [=====] - 0s 79ms/step
>327, dr[0.106,1.230], df[0.123,0.187], g[0.338,0.201]
1/1 [=====] - 0s 84ms/step
>328, dr[0.100,1.055], df[0.150,0.136], g[0.543,0.116]
1/1 [=====] - 0s 77ms/step
>329, dr[0.077,0.560], df[0.222,0.105], g[0.609,0.069]
1/1 [=====] - 0s 71ms/step
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>330, dr[0.253,1.027], df[0.320,0.140], g[0.728,0.081]
1/1 [=====] - 0s 103ms/step
>331, dr[0.133,0.786], df[0.442,0.072], g[1.539,0.087]
1/1 [=====] - 0s 72ms/step
>332, dr[1.036,0.874], df[1.564,0.088], g[1.696,0.061]
1/1 [=====] - 0s 71ms/step
>333, dr[0.947,0.834], df[1.615,0.082], g[2.634,0.094]
1/1 [=====] - 0s 68ms/step
>334, dr[2.731,0.552], df[0.858,0.152], g[1.297,0.071]
1/1 [=====] - 0s 68ms/step
>335, dr[0.779,0.744], df[0.197,0.223], g[0.809,0.195]
1/1 [=====] - 0s 69ms/step
>336, dr[0.324,0.691], df[0.133,0.798], g[0.343,0.095]
1/1 [=====] - 0s 71ms/step
>337, dr[0.124,0.730], df[0.323,0.509], g[0.588,0.058]
1/1 [=====] - 0s 83ms/step
>338, dr[0.230,1.323], df[0.201,0.194], g[0.722,0.083]
1/1 [=====] - 0s 76ms/step
>339, dr[0.180,0.749], df[0.227,0.080], g[0.646,0.081]
1/1 [=====] - 0s 76ms/step
>340, dr[0.445,0.880], df[0.708,0.068], g[0.498,0.085]
1/1 [=====] - 0s 71ms/step
>341, dr[0.622,0.474], df[0.572,0.134], g[0.559,0.128]
1/1 [=====] - 0s 75ms/step
>342, dr[0.858,1.094], df[2.013,0.045], g[1.213,0.067]
1/1 [=====] - 0s 67ms/step
>343, dr[1.348,1.231], df[1.077,0.123], g[1.255,0.103]
1/1 [=====] - 0s 76ms/step
>344, dr[1.643,0.736], df[1.353,0.051], g[0.914,0.075]
1/1 [=====] - 0s 72ms/step
>345, dr[0.763,0.695], df[0.539,0.084], g[1.208,0.161]
1/1 [=====] - 0s 80ms/step
>346, dr[1.108,0.861], df[0.879,0.100], g[1.045,0.052]
1/1 [=====] - 0s 80ms/step
>347, dr[0.552,0.882], df[0.488,0.083], g[1.129,0.067]
1/1 [=====] - 0s 71ms/step
>348, dr[0.545,0.802], df[0.529,0.036], g[0.972,0.088]
1/1 [=====] - 0s 77ms/step
>349, dr[0.636,0.600], df[0.606,0.048], g[1.283,0.056]
1/1 [=====] - 0s 72ms/step
>350, dr[0.766,1.118], df[0.756,0.053], g[1.120,0.064]
1/1 [=====] - 0s 78ms/step
>351, dr[0.835,0.578], df[1.363,0.025], g[2.005,0.097]
1/1 [=====] - 0s 68ms/step
>352, dr[1.093,1.136], df[0.637,0.180], g[1.570,0.112]
1/1 [=====] - 0s 67ms/step
>353, dr[1.486,0.666], df[0.901,0.168], g[1.157,0.127]
1/1 [=====] - 0s 79ms/step
>354, dr[0.724,0.462], df[0.972,0.052], g[1.250,0.051]
1/1 [=====] - 0s 76ms/step
>355, dr[0.726,0.779], df[0.202,0.042], g[1.383,0.137]
1/1 [=====] - 0s 74ms/step
>356, dr[0.534,0.716], df[0.840,0.044], g[1.503,0.081]
1/1 [=====] - 0s 70ms/step
>357, dr[1.130,0.901], df[1.105,0.164], g[1.008,0.116]
1/1 [=====] - 0s 84ms/step
>358, dr[0.542,0.726], df[0.474,0.132], g[1.324,0.117]
1/1 [=====] - 0s 66ms/step
>359, dr[0.533,0.813], df[0.740,0.043], g[1.561,0.128]
1/1 [=====] - 0s 73ms/step
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>360, dr[0.625,1.045], df[0.599,0.063], g[1.638,0.132]
1/1 [=====] - 0s 74ms/step
>361, dr[0.932,0.809], df[0.512,0.075], g[0.873,0.087]
1/1 [=====] - 0s 84ms/step
>362, dr[0.595,0.916], df[0.833,0.273], g[1.010,0.062]
1/1 [=====] - 0s 72ms/step
>363, dr[0.450,0.694], df[0.600,0.089], g[1.787,0.105]
1/1 [=====] - 0s 74ms/step
>364, dr[0.872,0.989], df[0.664,0.042], g[1.368,0.142]
1/1 [=====] - 0s 75ms/step
>365, dr[0.584,0.616], df[0.778,0.036], g[1.701,0.110]
1/1 [=====] - 0s 75ms/step
>366, dr[0.647,0.559], df[0.320,0.068], g[1.271,0.169]
1/1 [=====] - 0s 84ms/step
>367, dr[0.677,0.878], df[1.277,0.059], g[1.594,0.089]
1/1 [=====] - 0s 77ms/step
>368, dr[1.080,0.962], df[0.622,0.080], g[1.548,0.130]
1/1 [=====] - 0s 80ms/step
>369, dr[0.668,0.543], df[0.746,0.068], g[1.334,0.100]
1/1 [=====] - 0s 83ms/step
>370, dr[0.482,0.721], df[0.813,0.064], g[2.496,0.235]
1/1 [=====] - 0s 80ms/step
>371, dr[1.253,1.206], df[0.419,0.165], g[1.401,0.074]
1/1 [=====] - 0s 108ms/step
>372, dr[1.008,1.219], df[1.551,0.081], g[1.423,0.107]
1/1 [=====] - 0s 88ms/step
>373, dr[0.689,1.538], df[0.398,0.066], g[1.360,0.093]
1/1 [=====] - 0s 74ms/step
>374, dr[0.502,0.564], df[0.629,0.062], g[1.102,0.075]
1/1 [=====] - 0s 82ms/step
>375, dr[1.106,1.039], df[0.740,0.148], g[1.094,0.044]
1/1 [=====] - 0s 84ms/step
>376, dr[0.630,1.082], df[0.886,0.119], g[1.178,0.070]
1/1 [=====] - 0s 91ms/step
>377, dr[0.764,1.192], df[0.336,0.066], g[0.971,0.047]
1/1 [=====] - 0s 94ms/step
>378, dr[0.671,1.069], df[1.085,0.106], g[1.201,0.045]
1/1 [=====] - 0s 124ms/step
>379, dr[0.423,0.639], df[0.363,0.091], g[1.497,0.077]
1/1 [=====] - 0s 82ms/step
>380, dr[0.662,0.567], df[0.631,0.087], g[0.950,0.072]
1/1 [=====] - 0s 80ms/step
>381, dr[0.570,0.923], df[0.796,0.036], g[1.885,0.052]
1/1 [=====] - 0s 83ms/step
>382, dr[0.897,1.526], df[0.462,0.048], g[1.366,0.080]
1/1 [=====] - 0s 86ms/step
>383, dr[0.694,1.433], df[0.816,0.050], g[1.462,0.060]
1/1 [=====] - 0s 80ms/step
>384, dr[0.516,0.891], df[0.644,0.180], g[1.908,0.060]
1/1 [=====] - 0s 86ms/step
>385, dr[0.686,0.789], df[0.442,0.087], g[1.478,0.075]
1/1 [=====] - 0s 80ms/step
>386, dr[0.325,0.557], df[0.225,0.037], g[1.259,0.096]
1/1 [=====] - 0s 89ms/step
>387, dr[0.268,0.950], df[0.354,0.077], g[1.481,0.129]
1/1 [=====] - 0s 78ms/step
>388, dr[0.652,0.266], df[0.398,0.126], g[1.007,0.106]
1/1 [=====] - 0s 76ms/step
>389, dr[0.297,0.753], df[0.254,0.075], g[0.975,0.103]
1/1 [=====] - 0s 77ms/step
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>390, dr[0.332,0.778], df[0.445,0.065], g[1.346,0.080]
1/1 [=====] - 0s 77ms/step
>391, dr[0.545,0.762], df[0.873,0.096], g[1.928,0.124]
1/1 [=====] - 0s 96ms/step
>392, dr[1.205,0.839], df[1.950,0.047], g[2.514,0.082]
1/1 [=====] - 0s 79ms/step
>393, dr[1.154,0.631], df[1.671,0.034], g[3.302,0.073]
1/1 [=====] - 0s 74ms/step
>394, dr[2.097,1.078], df[0.699,0.290], g[2.554,0.059]
1/1 [=====] - 0s 77ms/step
>395, dr[1.147,1.143], df[0.507,0.132], g[2.133,0.101]
1/1 [=====] - 0s 68ms/step
>396, dr[0.556,0.354], df[0.234,0.122], g[1.824,0.063]
1/1 [=====] - 0s 73ms/step
>397, dr[0.439,0.514], df[0.592,0.034], g[1.512,0.132]
1/1 [=====] - 0s 68ms/step
>398, dr[0.311,0.792], df[0.606,0.068], g[1.826,0.087]
1/1 [=====] - 0s 74ms/step
>399, dr[0.726,1.086], df[0.347,0.057], g[1.374,0.080]
1/1 [=====] - 0s 69ms/step
>400, dr[0.644,0.828], df[0.988,0.081], g[1.157,0.055]
1/1 [=====] - 0s 70ms/step
>401, dr[0.879,0.838], df[1.066,0.036], g[1.297,0.035]
1/1 [=====] - 0s 68ms/step
>402, dr[0.966,0.819], df[0.646,0.023], g[1.448,0.105]
1/1 [=====] - 0s 77ms/step
>403, dr[0.772,0.773], df[1.069,0.034], g[1.779,0.067]
1/1 [=====] - 0s 71ms/step
>404, dr[0.672,0.764], df[0.462,0.044], g[1.875,0.065]
1/1 [=====] - 0s 70ms/step
>405, dr[0.651,1.042], df[0.402,0.028], g[1.316,0.099]
1/1 [=====] - 0s 76ms/step
>406, dr[0.709,0.837], df[0.733,0.115], g[1.619,0.090]
1/1 [=====] - 0s 70ms/step
>407, dr[0.459,0.623], df[0.451,0.035], g[1.468,0.080]
1/1 [=====] - 0s 81ms/step
>408, dr[0.598,0.950], df[0.631,0.106], g[1.881,0.132]
1/1 [=====] - 0s 67ms/step
>409, dr[0.592,0.834], df[0.469,0.052], g[1.535,0.103]
1/1 [=====] - 0s 76ms/step
>410, dr[0.237,0.619], df[0.288,0.103], g[1.626,0.100]
1/1 [=====] - 0s 67ms/step
>411, dr[0.347,0.852], df[0.395,0.063], g[1.956,0.051]
1/1 [=====] - 0s 75ms/step
>412, dr[0.414,0.940], df[0.538,0.062], g[2.319,0.101]
1/1 [=====] - 0s 72ms/step
>413, dr[0.721,0.268], df[0.572,0.045], g[2.256,0.040]
1/1 [=====] - 0s 71ms/step
>414, dr[0.545,0.475], df[0.547,0.046], g[2.134,0.030]
1/1 [=====] - 0s 85ms/step
>415, dr[1.029,1.158], df[0.508,0.024], g[1.535,0.052]
1/1 [=====] - 0s 67ms/step
>416, dr[0.425,0.918], df[0.511,0.055], g[1.849,0.085]
1/1 [=====] - 0s 80ms/step
>417, dr[0.625,0.914], df[0.614,0.027], g[1.670,0.147]
1/1 [=====] - 0s 74ms/step
>418, dr[0.579,1.179], df[0.696,0.048], g[1.549,0.034]
1/1 [=====] - 0s 72ms/step
>419, dr[0.804,0.756], df[1.021,0.059], g[1.910,0.111]
1/1 [=====] - 0s 75ms/step
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>420, dr[0.973,0.746], df[0.402,0.052], g[1.634,0.103]
1/1 [=====] - 0s 71ms/step
>421, dr[0.527,0.757], df[0.571,0.040], g[1.371,0.093]
1/1 [=====] - 0s 68ms/step
>422, dr[0.452,1.041], df[0.478,0.114], g[1.992,0.125]
1/1 [=====] - 0s 64ms/step
>423, dr[0.701,0.878], df[0.628,0.024], g[1.700,0.046]
1/1 [=====] - 0s 68ms/step
>424, dr[0.472,1.410], df[0.430,0.074], g[1.883,0.058]
1/1 [=====] - 0s 66ms/step
>425, dr[0.376,0.922], df[0.308,0.043], g[1.563,0.066]
1/1 [=====] - 0s 71ms/step
>426, dr[0.414,1.190], df[0.878,0.061], g[1.936,0.071]
1/1 [=====] - 0s 68ms/step
>427, dr[0.628,1.048], df[0.299,0.052], g[2.090,0.052]
1/1 [=====] - 0s 70ms/step
>428, dr[0.674,0.559], df[0.685,0.023], g[2.510,0.077]
1/1 [=====] - 0s 67ms/step
>429, dr[0.804,1.890], df[0.374,0.074], g[1.649,0.058]
1/1 [=====] - 0s 76ms/step
>430, dr[0.542,1.147], df[0.685,0.051], g[2.258,0.054]
1/1 [=====] - 0s 67ms/step
>431, dr[0.476,0.753], df[0.367,0.039], g[1.926,0.106]
1/1 [=====] - 0s 74ms/step
>432, dr[0.465,0.768], df[0.393,0.037], g[2.199,0.105]
1/1 [=====] - 0s 65ms/step
>433, dr[0.582,1.037], df[0.476,0.069], g[2.048,0.122]
1/1 [=====] - 0s 75ms/step
>434, dr[0.421,0.869], df[0.355,0.071], g[1.938,0.044]
1/1 [=====] - 0s 65ms/step
>435, dr[0.542,0.781], df[0.500,0.155], g[1.772,0.062]
1/1 [=====] - 0s 79ms/step
>436, dr[0.672,0.535], df[0.510,0.044], g[1.679,0.043]
1/1 [=====] - 0s 70ms/step
>437, dr[0.581,0.553], df[1.029,0.040], g[1.914,0.097]
1/1 [=====] - 0s 79ms/step
>438, dr[0.734,0.614], df[0.283,0.059], g[2.251,0.102]
1/1 [=====] - 0s 67ms/step
>439, dr[0.752,0.520], df[0.394,0.069], g[1.248,0.077]
1/1 [=====] - 0s 71ms/step
>440, dr[0.469,0.929], df[0.528,0.040], g[1.567,0.047]
1/1 [=====] - 0s 68ms/step
>441, dr[0.326,0.401], df[0.650,0.060], g[2.230,0.083]
1/1 [=====] - 0s 70ms/step
>442, dr[0.924,0.790], df[0.513,0.053], g[1.573,0.056]
1/1 [=====] - 0s 67ms/step
>443, dr[0.484,0.973], df[0.481,0.032], g[1.696,0.132]
1/1 [=====] - 0s 71ms/step
>444, dr[0.707,0.506], df[0.707,0.031], g[1.819,0.092]
1/1 [=====] - 0s 70ms/step
>445, dr[0.457,0.683], df[0.514,0.027], g[1.984,0.127]
1/1 [=====] - 0s 65ms/step
>446, dr[0.787,1.155], df[0.517,0.083], g[1.625,0.112]
1/1 [=====] - 0s 69ms/step
>447, dr[0.474,0.681], df[0.573,0.055], g[1.655,0.161]
1/1 [=====] - 0s 67ms/step
>448, dr[0.575,0.763], df[0.552,0.050], g[1.633,0.109]
1/1 [=====] - 0s 68ms/step
>449, dr[0.461,1.068], df[0.295,0.039], g[1.892,0.039]
1/1 [=====] - 0s 68ms/step
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>450, dr[0.655,0.891], df[0.727,0.100], g[1.354,0.049]
1/1 [=====] - 0s 74ms/step
>451, dr[0.354,0.446], df[0.472,0.170], g[2.083,0.048]
1/1 [=====] - 0s 69ms/step
>452, dr[0.807,0.518], df[0.379,0.215], g[1.505,0.108]
1/1 [=====] - 0s 72ms/step
>453, dr[0.313,0.884], df[0.564,0.209], g[2.177,0.129]
1/1 [=====] - 0s 64ms/step
>454, dr[0.492,0.756], df[0.222,0.165], g[2.307,0.080]
1/1 [=====] - 0s 72ms/step
>455, dr[0.516,0.733], df[0.675,0.118], g[1.836,0.086]
1/1 [=====] - 0s 67ms/step
>456, dr[0.513,0.715], df[0.496,0.098], g[1.870,0.032]
1/1 [=====] - 0s 72ms/step
>457, dr[0.269,0.563], df[0.280,0.040], g[2.510,0.057]
1/1 [=====] - 0s 69ms/step
>458, dr[0.450,0.733], df[0.551,0.083], g[2.136,0.098]
1/1 [=====] - 0s 71ms/step
>459, dr[0.395,1.110], df[0.385,0.034], g[1.773,0.027]
1/1 [=====] - 0s 66ms/step
>460, dr[0.790,0.697], df[0.601,0.135], g[1.919,0.102]
1/1 [=====] - 0s 70ms/step
>461, dr[0.451,0.801], df[0.635,0.083], g[1.912,0.078]
1/1 [=====] - 0s 65ms/step
>462, dr[0.281,0.522], df[0.409,0.126], g[2.197,0.109]
1/1 [=====] - 0s 75ms/step
>463, dr[0.622,0.476], df[0.611,0.070], g[2.205,0.078]
1/1 [=====] - 0s 69ms/step
>464, dr[0.416,1.065], df[0.352,0.077], g[2.066,0.094]
1/1 [=====] - 0s 75ms/step
>465, dr[0.598,0.545], df[0.683,0.044], g[1.876,0.078]
1/1 [=====] - 0s 70ms/step
>466, dr[0.318,0.416], df[0.279,0.059], g[2.653,0.029]
1/1 [=====] - 0s 71ms/step
>467, dr[0.444,0.818], df[0.585,0.030], g[2.458,0.044]
1/1 [=====] - 0s 69ms/step
>468, dr[0.621,0.712], df[0.429,0.039], g[2.115,0.046]
1/1 [=====] - 0s 69ms/step
>469, dr[0.523,0.648], df[0.573,0.024], g[2.042,0.022]
1/1 [=====] - 0s 67ms/step
>470, dr[0.529,0.821], df[0.486,0.031], g[1.920,0.055]
1/1 [=====] - 0s 68ms/step
>471, dr[0.480,1.117], df[0.503,0.055], g[1.769,0.056]
1/1 [=====] - 0s 66ms/step
>472, dr[0.520,0.518], df[1.028,0.036], g[2.187,0.108]
1/1 [=====] - 0s 65ms/step
>473, dr[0.616,0.576], df[0.326,0.205], g[1.704,0.028]
1/1 [=====] - 0s 66ms/step
>474, dr[0.645,0.713], df[0.388,0.045], g[1.719,0.080]
1/1 [=====] - 0s 69ms/step
>475, dr[0.474,0.419], df[0.337,0.093], g[1.574,0.041]
1/1 [=====] - 0s 74ms/step
>476, dr[0.593,1.023], df[0.604,0.085], g[1.440,0.042]
1/1 [=====] - 0s 66ms/step
>477, dr[0.646,1.145], df[0.644,0.035], g[1.677,0.029]
1/1 [=====] - 0s 71ms/step
>478, dr[0.366,1.250], df[0.345,0.080], g[1.821,0.092]
1/1 [=====] - 0s 66ms/step
>479, dr[0.516,0.863], df[0.209,0.033], g[1.598,0.046]
1/1 [=====] - 0s 69ms/step
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>480, dr[0.389,1.008], df[0.468,0.048], g[1.790,0.088]
1/1 [=====] - 0s 69ms/step
>481, dr[0.424,0.774], df[0.504,0.051], g[2.058,0.026]
1/1 [=====] - 0s 77ms/step
>482, dr[0.568,1.014], df[0.414,0.087], g[2.255,0.035]
1/1 [=====] - 0s 75ms/step
>483, dr[0.312,0.705], df[0.352,0.058], g[2.555,0.065]
1/1 [=====] - 0s 77ms/step
>484, dr[0.631,0.967], df[0.469,0.093], g[2.861,0.047]
1/1 [=====] - 0s 73ms/step
>485, dr[0.442,0.754], df[0.215,0.073], g[2.805,0.095]
1/1 [=====] - 0s 71ms/step
>486, dr[0.351,0.530], df[0.355,0.047], g[2.379,0.147]
1/1 [=====] - 0s 72ms/step
>487, dr[0.382,0.504], df[0.410,0.285], g[2.253,0.074]
1/1 [=====] - 0s 75ms/step
>488, dr[0.279,1.075], df[0.128,0.216], g[2.328,0.104]
1/1 [=====] - 0s 74ms/step
>489, dr[0.510,0.384], df[0.514,0.120], g[1.914,0.197]
1/1 [=====] - 0s 75ms/step
>490, dr[0.355,1.171], df[0.593,0.117], g[1.993,0.108]
1/1 [=====] - 0s 75ms/step
>491, dr[0.182,0.585], df[0.302,0.107], g[2.381,0.219]
1/1 [=====] - 0s 79ms/step
>492, dr[0.477,0.938], df[0.271,0.151], g[1.824,0.123]
1/1 [=====] - 0s 72ms/step
>493, dr[0.289,0.628], df[0.334,0.117], g[1.934,0.090]
1/1 [=====] - 0s 75ms/step
>494, dr[0.371,0.855], df[0.322,0.079], g[2.176,0.069]
1/1 [=====] - 0s 75ms/step
>495, dr[0.604,0.661], df[0.483,0.046], g[1.503,0.061]
1/1 [=====] - 0s 82ms/step
>496, dr[0.243,0.646], df[0.580,0.045], g[2.078,0.115]
1/1 [=====] - 0s 95ms/step
>497, dr[0.708,0.935], df[0.447,0.106], g[1.878,0.037]
1/1 [=====] - 0s 87ms/step
>498, dr[0.561,0.571], df[1.111,0.145], g[1.869,0.029]
1/1 [=====] - 0s 90ms/step
>499, dr[0.721,0.730], df[0.608,0.139], g[2.061,0.029]
1/1 [=====] - 0s 69ms/step
>500, dr[0.765,1.012], df[0.685,0.047], g[1.581,0.059]
1/1 [=====] - 0s 76ms/step
>501, dr[0.509,0.721], df[1.227,0.278], g[2.054,0.131]
1/1 [=====] - 0s 80ms/step
>502, dr[0.782,0.891], df[0.475,0.187], g[2.508,0.043]
1/1 [=====] - 0s 74ms/step
>503, dr[0.554,1.356], df[0.461,0.161], g[2.145,0.054]
1/1 [=====] - 0s 68ms/step
>504, dr[0.379,1.359], df[0.441,0.091], g[1.877,0.045]
1/1 [=====] - 0s 85ms/step
>505, dr[0.418,0.783], df[0.761,0.210], g[1.984,0.035]
1/1 [=====] - 0s 84ms/step
>506, dr[0.584,0.621], df[0.532,0.052], g[1.863,0.071]
1/1 [=====] - 0s 86ms/step
>507, dr[0.247,0.668], df[0.984,0.153], g[2.445,0.088]
1/1 [=====] - 0s 72ms/step
>508, dr[0.540,0.308], df[0.291,0.090], g[2.541,0.071]
1/1 [=====] - 0s 70ms/step
>509, dr[0.627,0.809], df[0.537,0.050], g[1.937,0.116]
1/1 [=====] - 0s 73ms/step
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>510, dr[0.712,0.947], df[0.652,0.077], g[2.451,0.064]
1/1 [=====] - 0s 67ms/step
>511, dr[0.686,0.397], df[0.444,0.261], g[1.894,0.183]
1/1 [=====] - 0s 71ms/step
>512, dr[0.297,0.943], df[0.360,0.279], g[3.496,0.077]
1/1 [=====] - 0s 81ms/step
>513, dr[0.592,1.383], df[0.147,0.209], g[2.707,0.116]
1/1 [=====] - 0s 73ms/step
>514, dr[0.273,1.201], df[0.217,0.199], g[2.289,0.110]
1/1 [=====] - 0s 69ms/step
>515, dr[0.279,0.727], df[0.403,0.165], g[2.896,0.117]
1/1 [=====] - 0s 73ms/step
>516, dr[0.703,1.353], df[0.146,0.074], g[1.704,0.158]
1/1 [=====] - 0s 68ms/step
>517, dr[0.516,0.658], df[0.629,0.119], g[1.648,0.116]
1/1 [=====] - 0s 74ms/step
>518, dr[0.255,1.030], df[0.230,0.107], g[2.439,0.091]
1/1 [=====] - 0s 71ms/step
>519, dr[0.918,0.843], df[0.697,0.064], g[2.046,0.062]
1/1 [=====] - 0s 70ms/step
>520, dr[0.342,0.546], df[0.733,0.011], g[2.181,0.056]
1/1 [=====] - 0s 75ms/step
>521, dr[0.717,0.574], df[0.774,0.043], g[1.858,0.069]
1/1 [=====] - 0s 70ms/step
>522, dr[0.603,0.564], df[0.937,0.186], g[2.113,0.058]
1/1 [=====] - 0s 76ms/step
>523, dr[0.722,1.363], df[0.692,0.395], g[1.961,0.065]
1/1 [=====] - 0s 69ms/step
>524, dr[0.870,0.652], df[0.525,0.140], g[1.559,0.081]
1/1 [=====] - 0s 75ms/step
>525, dr[0.410,0.737], df[0.382,0.097], g[1.599,0.089]
1/1 [=====] - 0s 67ms/step
>526, dr[0.298,0.797], df[0.657,0.079], g[1.921,0.058]
1/1 [=====] - 0s 78ms/step
>527, dr[0.647,0.905], df[0.499,0.058], g[2.225,0.057]
1/1 [=====] - 0s 66ms/step
>528, dr[0.562,1.082], df[0.900,0.236], g[2.350,0.058]
1/1 [=====] - 0s 77ms/step
>529, dr[0.593,0.714], df[0.537,0.132], g[2.756,0.182]
1/1 [=====] - 0s 84ms/step
>530, dr[0.591,0.907], df[0.465,0.301], g[2.974,0.078]
1/1 [=====] - 0s 76ms/step
>531, dr[1.432,0.662], df[0.582,0.189], g[1.888,0.062]
1/1 [=====] - 0s 67ms/step
>532, dr[0.473,0.484], df[0.237,0.227], g[1.577,0.088]
1/1 [=====] - 0s 83ms/step
>533, dr[0.395,0.656], df[0.394,0.113], g[1.586,0.068]
1/1 [=====] - 0s 68ms/step
>534, dr[0.676,0.315], df[0.639,0.031], g[1.702,0.076]
1/1 [=====] - 0s 70ms/step
>535, dr[0.594,1.027], df[0.628,0.068], g[1.525,0.088]
1/1 [=====] - 0s 67ms/step
>536, dr[0.572,1.106], df[1.014,0.092], g[1.702,0.061]
1/1 [=====] - 0s 67ms/step
>537, dr[1.511,1.345], df[0.966,0.084], g[1.461,0.034]
1/1 [=====] - 0s 66ms/step
>538, dr[0.668,0.481], df[1.129,0.173], g[2.071,0.118]
1/1 [=====] - 0s 64ms/step
>539, dr[0.543,0.595], df[0.355,0.162], g[2.166,0.111]
1/1 [=====] - 0s 71ms/step
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>540, dr[0.862,0.592], df[0.673,0.238], g[2.004,0.082]
1/1 [=====] - 0s 67ms/step
>541, dr[0.390,0.896], df[0.518,0.051], g[1.760,0.057]
1/1 [=====] - 0s 74ms/step
>542, dr[0.377,0.574], df[0.874,0.149], g[2.338,0.105]
1/1 [=====] - 0s 66ms/step
>543, dr[0.732,0.996], df[0.686,0.048], g[2.395,0.101]
1/1 [=====] - 0s 73ms/step
>544, dr[0.631,0.689], df[0.360,0.151], g[2.715,0.158]
1/1 [=====] - 0s 70ms/step
>545, dr[0.917,0.539], df[0.398,0.129], g[2.290,0.142]
1/1 [=====] - 0s 72ms/step
>546, dr[0.392,0.732], df[0.504,0.276], g[2.483,0.241]
1/1 [=====] - 0s 73ms/step
>547, dr[0.277,1.117], df[0.185,0.268], g[2.581,0.071]
1/1 [=====] - 0s 75ms/step
>548, dr[0.681,0.702], df[0.361,0.120], g[2.305,0.112]
1/1 [=====] - 0s 67ms/step
>549, dr[0.392,0.610], df[0.309,0.191], g[1.959,0.168]
1/1 [=====] - 0s 73ms/step
>550, dr[0.732,1.082], df[0.326,0.141], g[1.727,0.101]
1/1 [=====] - 0s 69ms/step
>551, dr[0.365,0.848], df[0.851,0.186], g[2.005,0.234]
1/1 [=====] - 0s 74ms/step
>552, dr[0.195,0.453], df[0.308,0.253], g[2.373,0.199]
1/1 [=====] - 0s 68ms/step
>553, dr[0.777,1.186], df[0.525,0.045], g[1.770,0.141]
1/1 [=====] - 0s 74ms/step
>554, dr[0.609,1.055], df[0.905,0.108], g[2.056,0.171]
1/1 [=====] - 0s 71ms/step
>555, dr[0.426,1.007], df[0.639,0.069], g[2.437,0.105]
1/1 [=====] - 0s 78ms/step
>556, dr[0.728,0.628], df[0.472,0.249], g[1.851,0.123]
1/1 [=====] - 0s 73ms/step
>557, dr[0.656,1.077], df[0.660,0.257], g[1.795,0.118]
1/1 [=====] - 0s 78ms/step
>558, dr[0.299,0.688], df[0.568,0.226], g[2.134,0.213]
1/1 [=====] - 0s 73ms/step
>559, dr[0.431,0.904], df[0.449,0.253], g[1.950,0.115]
1/1 [=====] - 0s 75ms/step
>560, dr[0.753,0.508], df[1.117,0.168], g[1.981,0.197]
1/1 [=====] - 0s 68ms/step
>561, dr[0.408,0.883], df[0.515,0.207], g[2.237,0.227]
1/1 [=====] - 0s 71ms/step
>562, dr[0.747,0.916], df[0.706,0.080], g[2.074,0.174]
1/1 [=====] - 0s 68ms/step
>563, dr[0.817,0.947], df[0.958,0.117], g[1.949,0.175]
1/1 [=====] - 0s 67ms/step
>564, dr[0.473,0.866], df[0.518,0.062], g[2.366,0.187]
1/1 [=====] - 0s 69ms/step
>565, dr[1.091,0.590], df[0.764,0.145], g[1.768,0.092]
1/1 [=====] - 0s 68ms/step
>566, dr[0.551,0.681], df[0.577,0.069], g[2.119,0.099]
1/1 [=====] - 0s 72ms/step
>567, dr[0.726,0.851], df[1.043,0.214], g[2.276,0.158]
1/1 [=====] - 0s 66ms/step
>568, dr[0.550,0.458], df[0.617,0.133], g[2.445,0.101]
1/1 [=====] - 0s 72ms/step
>569, dr[1.016,0.715], df[0.587,0.080], g[1.613,0.057]
1/1 [=====] - 0s 73ms/step
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>570, dr[0.391,0.550], df[0.658,0.062], g[1.871,0.082]
1/1 [=====] - 0s 76ms/step
>571, dr[0.708,0.353], df[0.693,0.200], g[1.973,0.057]
1/1 [=====] - 0s 79ms/step
>572, dr[0.780,0.572], df[0.435,0.180], g[1.661,0.086]
1/1 [=====] - 0s 72ms/step
>573, dr[0.495,0.764], df[0.572,0.078], g[1.511,0.069]
1/1 [=====] - 0s 68ms/step
>574, dr[0.507,1.387], df[0.619,0.044], g[2.078,0.113]
1/1 [=====] - 0s 71ms/step
>575, dr[0.439,1.104], df[0.620,0.057], g[2.005,0.156]
1/1 [=====] - 0s 69ms/step
>576, dr[0.512,1.252], df[0.510,0.052], g[1.984,0.069]
1/1 [=====] - 0s 73ms/step
>577, dr[0.485,0.970], df[0.516,0.054], g[2.088,0.111]
1/1 [=====] - 0s 67ms/step
>578, dr[0.514,1.274], df[0.637,0.115], g[2.133,0.145]
1/1 [=====] - 0s 72ms/step
>579, dr[0.752,0.624], df[0.538,0.083], g[2.326,0.049]
1/1 [=====] - 0s 70ms/step
>580, dr[0.800,1.242], df[0.433,0.081], g[1.849,0.139]
1/1 [=====] - 0s 73ms/step
>581, dr[0.394,0.975], df[0.602,0.099], g[2.329,0.092]
1/1 [=====] - 0s 67ms/step
>582, dr[0.682,0.941], df[0.299,0.084], g[1.863,0.094]
1/1 [=====] - 0s 74ms/step
>583, dr[0.403,1.104], df[0.793,0.102], g[2.377,0.091]
1/1 [=====] - 0s 69ms/step
>584, dr[0.621,0.939], df[0.444,0.083], g[1.888,0.088]
1/1 [=====] - 0s 70ms/step
>585, dr[0.420,1.270], df[0.406,0.183], g[2.122,0.070]
1/1 [=====] - 0s 68ms/step
>586, dr[0.568,0.539], df[0.386,0.154], g[2.452,0.100]
1/1 [=====] - 0s 72ms/step
>587, dr[0.763,0.588], df[0.580,0.118], g[1.706,0.087]
1/1 [=====] - 0s 75ms/step
>588, dr[0.288,0.529], df[0.533,0.106], g[1.630,0.056]
1/1 [=====] - 0s 69ms/step
>589, dr[0.343,0.734], df[0.464,0.127], g[1.741,0.100]
1/1 [=====] - 0s 67ms/step
>590, dr[0.570,1.083], df[0.423,0.181], g[1.726,0.153]
1/1 [=====] - 0s 68ms/step
>591, dr[0.342,1.051], df[0.857,0.188], g[1.905,0.047]
1/1 [=====] - 0s 67ms/step
>592, dr[0.582,0.892], df[0.297,0.148], g[1.664,0.056]
1/1 [=====] - 0s 66ms/step
>593, dr[0.394,0.426], df[0.652,0.150], g[1.935,0.065]
1/1 [=====] - 0s 65ms/step
>594, dr[0.679,1.001], df[0.747,0.283], g[1.943,0.116]
1/1 [=====] - 0s 68ms/step
>595, dr[0.546,1.022], df[0.409,0.075], g[2.001,0.155]
1/1 [=====] - 0s 67ms/step
>596, dr[1.090,0.474], df[0.762,0.027], g[1.935,0.145]
1/1 [=====] - 0s 67ms/step
>597, dr[0.532,0.945], df[0.375,0.201], g[2.092,0.115]
1/1 [=====] - 0s 67ms/step
>598, dr[0.806,1.028], df[0.433,0.152], g[1.827,0.165]
1/1 [=====] - 0s 66ms/step
>599, dr[0.614,0.173], df[0.435,0.050], g[2.034,0.083]
1/1 [=====] - 0s 69ms/step
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>600, dr[0.343,0.839], df[0.661,0.271], g[2.442,0.154]
1/1 [=====] - 0s 66ms/step
>601, dr[0.756,0.571], df[0.459,0.117], g[1.823,0.147]
1/1 [=====] - 0s 72ms/step
>602, dr[0.628,0.510], df[0.534,0.172], g[1.659,0.087]
1/1 [=====] - 0s 67ms/step
>603, dr[0.373,0.526], df[0.564,0.088], g[1.139,0.118]
1/1 [=====] - 0s 71ms/step
>604, dr[0.218,1.031], df[0.418,0.057], g[1.621,0.053]
1/1 [=====] - 0s 65ms/step
>605, dr[0.470,0.812], df[0.252,0.120], g[1.499,0.077]
1/1 [=====] - 0s 74ms/step
>606, dr[0.422,0.368], df[0.700,0.165], g[1.048,0.119]
1/1 [=====] - 0s 70ms/step
>607, dr[0.318,1.178], df[0.409,0.098], g[1.775,0.073]
1/1 [=====] - 0s 71ms/step
>608, dr[0.438,0.719], df[0.509,0.252], g[2.225,0.088]
1/1 [=====] - 0s 69ms/step
>609, dr[0.579,0.595], df[0.422,0.095], g[2.218,0.146]
1/1 [=====] - 0s 70ms/step
>610, dr[0.741,0.983], df[0.478,0.125], g[2.028,0.143]
1/1 [=====] - 0s 78ms/step
>611, dr[0.321,0.818], df[0.450,0.126], g[2.308,0.229]
1/1 [=====] - 0s 76ms/step
>612, dr[0.361,0.552], df[0.220,0.231], g[2.918,0.111]
1/1 [=====] - 0s 74ms/step
>613, dr[0.596,1.018], df[0.251,0.081], g[2.474,0.110]
1/1 [=====] - 0s 76ms/step
>614, dr[0.290,1.017], df[0.446,0.119], g[2.032,0.161]
1/1 [=====] - 0s 78ms/step
>615, dr[0.384,0.500], df[0.491,0.138], g[2.490,0.114]
1/1 [=====] - 0s 73ms/step
>616, dr[0.383,0.767], df[0.541,0.141], g[2.073,0.098]
1/1 [=====] - 0s 67ms/step
>617, dr[0.383,0.646], df[0.559,0.102], g[2.290,0.129]
1/1 [=====] - 0s 67ms/step
>618, dr[0.674,0.693], df[0.364,0.059], g[2.174,0.099]
1/1 [=====] - 0s 79ms/step
>619, dr[0.419,0.707], df[0.400,0.083], g[1.695,0.031]
1/1 [=====] - 0s 80ms/step
>620, dr[0.363,0.784], df[0.616,0.070], g[1.875,0.077]
1/1 [=====] - 0s 69ms/step
>621, dr[0.491,1.123], df[0.477,0.101], g[1.950,0.070]
1/1 [=====] - 0s 66ms/step
>622, dr[0.707,0.779], df[0.404,0.168], g[1.671,0.044]
1/1 [=====] - 0s 74ms/step
>623, dr[0.330,1.422], df[0.547,0.118], g[1.530,0.200]
1/1 [=====] - 0s 68ms/step
>624, dr[0.518,0.678], df[0.306,0.058], g[1.885,0.072]
1/1 [=====] - 0s 78ms/step
>625, dr[0.222,0.557], df[0.505,0.122], g[2.046,0.145]
1/1 [=====] - 0s 66ms/step
>626, dr[0.314,0.676], df[0.570,0.162], g[2.955,0.113]
1/1 [=====] - 0s 71ms/step
>627, dr[0.680,0.778], df[0.109,0.142], g[2.589,0.231]
1/1 [=====] - 0s 68ms/step
>628, dr[0.383,0.547], df[0.324,0.227], g[2.312,0.100]
1/1 [=====] - 0s 71ms/step
>629, dr[0.569,0.858], df[0.383,0.231], g[2.010,0.176]
1/1 [=====] - 0s 66ms/step
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>630, dr[0.378,1.042], df[0.515,0.135], g[2.323,0.187]
1/1 [=====] - 0s 74ms/step
>631, dr[0.474,0.442], df[0.363,0.057], g[2.107,0.109]
1/1 [=====] - 0s 74ms/step
>632, dr[0.298,0.392], df[0.567,0.073], g[2.622,0.147]
1/1 [=====] - 0s 77ms/step
>633, dr[0.498,0.609], df[0.373,0.090], g[2.693,0.135]
1/1 [=====] - 0s 66ms/step
>634, dr[0.346,1.133], df[0.315,0.038], g[2.491,0.073]
1/1 [=====] - 0s 74ms/step
>635, dr[0.457,0.773], df[0.347,0.062], g[2.073,0.126]
1/1 [=====] - 0s 76ms/step
>636, dr[0.349,0.801], df[0.447,0.145], g[1.937,0.097]
1/1 [=====] - 0s 80ms/step
>637, dr[0.481,1.439], df[0.447,0.081], g[1.703,0.080]
1/1 [=====] - 0s 73ms/step
>638, dr[0.722,0.724], df[0.735,0.054], g[1.889,0.110]
1/1 [=====] - 0s 70ms/step
>639, dr[0.334,0.480], df[0.544,0.068], g[2.099,0.129]
1/1 [=====] - 0s 68ms/step
>640, dr[0.414,0.837], df[0.315,0.264], g[2.582,0.076]
1/1 [=====] - 0s 65ms/step
>641, dr[0.429,1.049], df[0.227,0.084], g[1.951,0.029]
1/1 [=====] - 0s 72ms/step
>642, dr[0.595,0.863], df[0.577,0.076], g[1.973,0.101]
1/1 [=====] - 0s 68ms/step
>643, dr[0.642,0.656], df[0.372,0.054], g[2.192,0.108]
1/1 [=====] - 0s 72ms/step
>644, dr[0.611,0.887], df[0.404,0.122], g[1.857,0.106]
1/1 [=====] - 0s 73ms/step
>645, dr[0.312,1.118], df[0.481,0.055], g[2.834,0.149]
1/1 [=====] - 0s 73ms/step
>646, dr[0.820,1.281], df[0.250,0.138], g[2.299,0.233]
1/1 [=====] - 0s 70ms/step
>647, dr[0.315,0.631], df[0.389,0.080], g[1.780,0.103]
1/1 [=====] - 0s 72ms/step
>648, dr[0.346,0.761], df[0.757,0.020], g[1.755,0.114]
1/1 [=====] - 0s 68ms/step
>649, dr[0.417,0.869], df[0.604,0.024], g[2.519,0.090]
1/1 [=====] - 0s 77ms/step
>650, dr[0.475,0.728], df[0.313,0.026], g[2.126,0.038]
1/1 [=====] - 0s 73ms/step
>651, dr[0.300,0.671], df[0.346,0.041], g[2.268,0.071]
1/1 [=====] - 0s 77ms/step
>652, dr[0.248,0.352], df[0.374,0.071], g[2.530,0.061]
1/1 [=====] - 0s 67ms/step
>653, dr[0.479,0.547], df[0.228,0.051], g[2.425,0.041]
1/1 [=====] - 0s 75ms/step
>654, dr[0.303,1.173], df[0.465,0.010], g[2.222,0.046]
1/1 [=====] - 0s 67ms/step
>655, dr[0.308,1.150], df[0.242,0.036], g[2.519,0.132]
1/1 [=====] - 0s 81ms/step
>656, dr[0.432,0.491], df[0.512,0.051], g[2.337,0.064]
1/1 [=====] - 0s 68ms/step
>657, dr[0.754,0.948], df[0.294,0.049], g[2.045,0.092]
1/1 [=====] - 0s 71ms/step
>658, dr[0.439,0.715], df[0.452,0.092], g[1.888,0.150]
1/1 [=====] - 0s 65ms/step
>659, dr[0.479,0.547], df[0.274,0.113], g[2.051,0.145]
1/1 [=====] - 0s 74ms/step
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>660, dr[0.302,0.718], df[0.365,0.222], g[2.555,0.222]
1/1 [=====] - 0s 67ms/step
>661, dr[0.348,0.942], df[0.230,0.196], g[2.420,0.086]
1/1 [=====] - 0s 74ms/step
>662, dr[0.300,0.275], df[0.219,0.152], g[2.474,0.110]
1/1 [=====] - 0s 68ms/step
>663, dr[0.263,0.977], df[0.240,0.051], g[2.001,0.063]
1/1 [=====] - 0s 68ms/step
>664, dr[0.196,0.979], df[0.393,0.063], g[2.121,0.222]
1/1 [=====] - 0s 67ms/step
>665, dr[0.496,0.824], df[0.278,0.151], g[2.110,0.129]
1/1 [=====] - 0s 65ms/step
>666, dr[0.517,1.317], df[0.475,0.044], g[1.779,0.087]
1/1 [=====] - 0s 67ms/step
>667, dr[0.153,0.875], df[0.261,0.034], g[2.406,0.104]
1/1 [=====] - 0s 68ms/step
>668, dr[0.230,1.064], df[0.286,0.087], g[2.696,0.197]
1/1 [=====] - 0s 68ms/step
>669, dr[0.291,0.877], df[0.273,0.081], g[3.027,0.186]
1/1 [=====] - 0s 67ms/step
>670, dr[0.398,0.569], df[0.342,0.186], g[2.940,0.163]
1/1 [=====] - 0s 67ms/step
>671, dr[0.396,1.228], df[0.494,0.249], g[2.265,0.075]
1/1 [=====] - 0s 68ms/step
>672, dr[0.302,0.770], df[0.135,0.139], g[1.708,0.148]
1/1 [=====] - 0s 70ms/step
>673, dr[0.204,0.577], df[0.301,0.072], g[2.031,0.089]
1/1 [=====] - 0s 67ms/step
>674, dr[0.565,0.948], df[0.200,0.073], g[1.658,0.104]
1/1 [=====] - 0s 70ms/step
>675, dr[0.299,0.431], df[0.624,0.136], g[1.646,0.095]
1/1 [=====] - 0s 65ms/step
>676, dr[0.241,0.431], df[0.345,0.106], g[2.230,0.117]
1/1 [=====] - 0s 73ms/step
>677, dr[0.590,0.821], df[0.679,0.096], g[2.072,0.120]
1/1 [=====] - 0s 70ms/step
>678, dr[0.167,0.538], df[0.189,0.098], g[2.188,0.176]
1/1 [=====] - 0s 73ms/step
>679, dr[0.454,0.620], df[0.447,0.043], g[2.394,0.179]
1/1 [=====] - 0s 67ms/step
>680, dr[0.455,0.843], df[0.276,0.096], g[2.006,0.151]
1/1 [=====] - 0s 76ms/step
>681, dr[0.439,1.014], df[0.691,0.148], g[2.201,0.118]
1/1 [=====] - 0s 66ms/step
>682, dr[0.446,0.657], df[0.166,0.057], g[2.490,0.163]
1/1 [=====] - 0s 73ms/step
>683, dr[0.574,0.522], df[0.361,0.088], g[2.149,0.190]
1/1 [=====] - 0s 67ms/step
>684, dr[0.186,0.325], df[0.297,0.093], g[2.561,0.090]
1/1 [=====] - 0s 69ms/step
>685, dr[0.304,0.576], df[0.400,0.095], g[2.601,0.110]
1/1 [=====] - 0s 66ms/step
>686, dr[0.670,0.759], df[0.153,0.080], g[1.909,0.160]
1/1 [=====] - 0s 73ms/step
>687, dr[0.165,0.935], df[0.416,0.108], g[2.168,0.080]
1/1 [=====] - 0s 70ms/step
>688, dr[0.409,0.772], df[0.272,0.153], g[1.786,0.095]
1/1 [=====] - 0s 72ms/step
>689, dr[0.562,0.549], df[0.317,0.057], g[1.215,0.162]
1/1 [=====] - 0s 67ms/step
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>690, dr[0.246,1.185], df[0.316,0.098], g[1.514,0.131]
1/1 [=====] - 0s 74ms/step
>691, dr[0.354,0.965], df[0.658,0.104], g[1.971,0.119]
1/1 [=====] - 0s 73ms/step
>692, dr[0.648,0.775], df[0.343,0.071], g[1.599,0.214]
1/1 [=====] - 0s 77ms/step
>693, dr[0.186,0.903], df[0.486,0.080], g[2.403,0.071]
1/1 [=====] - 0s 74ms/step
>694, dr[0.432,0.825], df[0.542,0.080], g[3.018,0.061]
1/1 [=====] - 0s 85ms/step
>695, dr[0.368,1.098], df[0.317,0.051], g[3.025,0.074]
1/1 [=====] - 0s 109ms/step
>696, dr[0.640,0.635], df[0.228,0.074], g[2.592,0.146]
1/1 [=====] - 0s 69ms/step
>697, dr[0.300,0.656], df[0.383,0.147], g[2.082,0.111]
1/1 [=====] - 0s 88ms/step
>698, dr[0.427,0.939], df[0.538,0.059], g[2.610,0.135]
1/1 [=====] - 0s 80ms/step
>699, dr[0.549,0.547], df[0.300,0.182], g[2.519,0.146]
1/1 [=====] - 0s 78ms/step
>700, dr[0.372,0.672], df[0.322,0.151], g[2.251,0.169]
1/1 [=====] - 0s 85ms/step
>701, dr[0.575,0.725], df[0.378,0.099], g[1.944,0.276]
1/1 [=====] - 0s 96ms/step
>702, dr[0.289,0.528], df[0.517,0.064], g[1.641,0.152]
1/1 [=====] - 0s 93ms/step
>703, dr[0.325,0.754], df[0.357,0.099], g[2.236,0.176]
1/1 [=====] - 0s 75ms/step
>704, dr[0.940,1.215], df[0.688,0.181], g[1.952,0.146]
1/1 [=====] - 0s 87ms/step
>705, dr[0.554,0.960], df[0.502,0.060], g[1.857,0.139]
1/1 [=====] - 0s 75ms/step
>706, dr[0.159,0.682], df[0.438,0.089], g[2.368,0.086]
1/1 [=====] - 0s 75ms/step
>707, dr[0.353,0.713], df[0.242,0.154], g[2.602,0.120]
1/1 [=====] - 0s 93ms/step
>708, dr[0.462,0.414], df[0.512,0.047], g[2.437,0.148]
1/1 [=====] - 0s 81ms/step
>709, dr[0.268,0.893], df[0.402,0.167], g[2.713,0.080]
1/1 [=====] - 0s 89ms/step
>710, dr[0.346,0.780], df[0.564,0.075], g[3.188,0.110]
1/1 [=====] - 0s 81ms/step
>711, dr[0.859,0.951], df[0.195,0.070], g[1.719,0.123]
1/1 [=====] - 0s 97ms/step
>712, dr[0.415,0.617], df[0.525,0.211], g[2.084,0.134]
1/1 [=====] - 0s 99ms/step
>713, dr[0.204,0.747], df[0.344,0.074], g[2.987,0.150]
1/1 [=====] - 0s 72ms/step
>714, dr[0.702,0.558], df[0.282,0.131], g[2.142,0.104]
1/1 [=====] - 0s 83ms/step
>715, dr[0.224,1.020], df[0.265,0.211], g[1.965,0.097]
1/1 [=====] - 0s 96ms/step
>716, dr[0.271,1.246], df[0.341,0.046], g[2.494,0.127]
1/1 [=====] - 0s 80ms/step
>717, dr[0.397,0.662], df[0.381,0.079], g[1.848,0.068]
1/1 [=====] - 0s 109ms/step
>718, dr[0.525,0.578], df[0.331,0.066], g[1.834,0.066]
1/1 [=====] - 0s 100ms/step
>719, dr[0.302,0.780], df[0.642,0.072], g[2.224,0.055]
1/1 [=====] - 0s 91ms/step
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>720, dr[0.237,1.039], df[0.205,0.159], g[2.624,0.096]
1/1 [=====] - 0s 79ms/step
>721, dr[0.336,0.899], df[0.322,0.142], g[2.506,0.064]
1/1 [=====] - 0s 73ms/step
>722, dr[0.411,1.065], df[0.451,0.011], g[2.385,0.146]
1/1 [=====] - 0s 90ms/step
>723, dr[0.425,0.660], df[0.310,0.057], g[1.807,0.167]
1/1 [=====] - 0s 69ms/step
>724, dr[0.115,0.564], df[0.354,0.039], g[1.991,0.075]
1/1 [=====] - 0s 76ms/step
>725, dr[0.315,1.105], df[0.458,0.023], g[2.552,0.093]
1/1 [=====] - 0s 80ms/step
>726, dr[0.452,0.568], df[0.167,0.060], g[3.189,0.062]
1/1 [=====] - 0s 71ms/step
>727, dr[0.275,1.065], df[0.261,0.086], g[2.915,0.090]
1/1 [=====] - 0s 75ms/step
>728, dr[0.593,0.763], df[0.328,0.061], g[2.445,0.066]
1/1 [=====] - 0s 71ms/step
>729, dr[0.462,0.967], df[0.346,0.131], g[2.442,0.050]
1/1 [=====] - 0s 77ms/step
>730, dr[0.424,0.586], df[0.426,0.142], g[2.260,0.064]
1/1 [=====] - 0s 72ms/step
>731, dr[0.317,0.952], df[0.473,0.055], g[2.196,0.057]
1/1 [=====] - 0s 77ms/step
>732, dr[0.427,0.715], df[0.321,0.090], g[1.979,0.042]
1/1 [=====] - 0s 70ms/step
>733, dr[0.257,1.009], df[0.399,0.036], g[2.154,0.037]
1/1 [=====] - 0s 80ms/step
>734, dr[0.385,1.336], df[0.436,0.084], g[2.029,0.107]
1/1 [=====] - 0s 77ms/step
>735, dr[0.311,0.784], df[0.331,0.201], g[1.404,0.151]
1/1 [=====] - 0s 70ms/step
>736, dr[0.473,0.363], df[0.397,0.284], g[1.815,0.150]
1/1 [=====] - 0s 74ms/step
>737, dr[0.326,0.458], df[0.242,0.052], g[2.031,0.039]
1/1 [=====] - 0s 72ms/step
>738, dr[0.161,0.528], df[0.248,0.034], g[1.906,0.047]
1/1 [=====] - 0s 76ms/step
>739, dr[0.268,0.908], df[0.533,0.073], g[2.526,0.039]
1/1 [=====] - 0s 70ms/step
>740, dr[0.313,0.740], df[0.399,0.050], g[2.557,0.049]
1/1 [=====] - 0s 77ms/step
>741, dr[0.262,0.529], df[0.351,0.044], g[3.224,0.146]
1/1 [=====] - 0s 91ms/step
>742, dr[1.222,0.714], df[0.512,0.088], g[2.530,0.164]
1/1 [=====] - 0s 95ms/step
>743, dr[0.505,0.221], df[0.665,0.171], g[2.534,0.171]
1/1 [=====] - 0s 88ms/step
>744, dr[0.384,0.986], df[0.255,0.094], g[2.699,0.122]
1/1 [=====] - 0s 80ms/step
>745, dr[0.632,0.881], df[0.444,0.097], g[2.501,0.107]
1/1 [=====] - 0s 71ms/step
>746, dr[0.263,0.548], df[0.763,0.061], g[2.868,0.062]
1/1 [=====] - 0s 96ms/step
>747, dr[0.577,1.051], df[0.366,0.031], g[2.922,0.095]
1/1 [=====] - 0s 66ms/step
>748, dr[0.548,0.700], df[0.169,0.267], g[2.528,0.064]
1/1 [=====] - 0s 80ms/step
>749, dr[0.340,0.718], df[0.287,0.098], g[2.004,0.052]
1/1 [=====] - 0s 109ms/step
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>750, dr[0.314,0.704], df[0.424,0.161], g[2.133,0.093]
1/1 [=====] - 0s 73ms/step
>751, dr[0.165,1.094], df[0.372,0.180], g[2.070,0.070]
1/1 [=====] - 0s 77ms/step
>752, dr[0.313,0.654], df[0.449,0.081], g[2.599,0.074]
1/1 [=====] - 0s 73ms/step
>753, dr[0.175,0.817], df[0.321,0.173], g[3.401,0.170]
1/1 [=====] - 0s 67ms/step
>754, dr[0.464,0.724], df[0.343,0.146], g[3.185,0.189]
1/1 [=====] - 0s 73ms/step
>755, dr[0.756,0.911], df[0.182,0.226], g[2.373,0.087]
1/1 [=====] - 0s 73ms/step
>756, dr[0.223,0.664], df[0.292,0.113], g[1.750,0.206]
1/1 [=====] - 0s 71ms/step
>757, dr[0.473,0.353], df[0.417,0.187], g[2.653,0.052]
1/1 [=====] - 0s 66ms/step
>758, dr[0.370,0.394], df[0.505,0.146], g[2.383,0.070]
1/1 [=====] - 0s 73ms/step
>759, dr[0.360,0.489], df[0.219,0.125], g[2.411,0.085]
1/1 [=====] - 0s 70ms/step
>760, dr[0.441,0.497], df[0.537,0.108], g[2.390,0.080]
1/1 [=====] - 0s 79ms/step
>761, dr[0.566,1.191], df[0.380,0.025], g[1.858,0.251]
1/1 [=====] - 0s 69ms/step
>762, dr[0.281,0.749], df[0.390,0.108], g[2.013,0.152]
1/1 [=====] - 0s 69ms/step
>763, dr[0.306,0.715], df[0.309,0.211], g[2.529,0.115]
1/1 [=====] - 0s 67ms/step
>764, dr[0.346,1.296], df[0.342,0.060], g[1.815,0.107]
1/1 [=====] - 0s 67ms/step
>765, dr[0.371,0.462], df[0.622,0.046], g[2.642,0.066]
1/1 [=====] - 0s 69ms/step
>766, dr[0.300,0.490], df[0.516,0.094], g[3.019,0.165]
1/1 [=====] - 0s 70ms/step
>767, dr[0.429,0.723], df[0.541,0.404], g[3.337,0.120]
1/1 [=====] - 0s 68ms/step
>768, dr[0.823,0.456], df[0.146,0.233], g[2.630,0.099]
1/1 [=====] - 0s 67ms/step
>769, dr[0.330,0.983], df[0.313,0.035], g[2.373,0.061]
1/1 [=====] - 0s 69ms/step
>770, dr[0.168,0.306], df[0.429,0.187], g[2.935,0.100]
1/1 [=====] - 0s 67ms/step
>771, dr[0.195,0.650], df[0.162,0.157], g[2.700,0.066]
1/1 [=====] - 0s 72ms/step
>772, dr[0.169,0.783], df[0.193,0.069], g[3.206,0.087]
1/1 [=====] - 0s 68ms/step
>773, dr[0.569,0.940], df[0.240,0.064], g[2.086,0.070]
1/1 [=====] - 0s 75ms/step
>774, dr[0.383,0.572], df[0.462,0.156], g[2.305,0.105]
1/1 [=====] - 0s 68ms/step
>775, dr[0.166,0.895], df[0.570,0.038], g[2.379,0.153]
1/1 [=====] - 0s 72ms/step
>776, dr[0.304,0.532], df[0.502,0.020], g[2.580,0.137]
1/1 [=====] - 0s 66ms/step
>777, dr[0.304,0.717], df[0.234,0.063], g[2.449,0.172]
1/1 [=====] - 0s 72ms/step
>778, dr[0.523,0.612], df[0.460,0.111], g[2.681,0.100]
1/1 [=====] - 0s 68ms/step
>779, dr[0.557,0.908], df[0.363,0.063], g[1.907,0.120]
1/1 [=====] - 0s 74ms/step
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>780, dr[0.293,0.304], df[0.477,0.097], g[1.911,0.230]
1/1 [=====] - 0s 69ms/step
>781, dr[0.275,0.358], df[0.547,0.054], g[3.026,0.112]
1/1 [=====] - 0s 74ms/step
>782, dr[0.210,0.733], df[0.173,0.299], g[2.971,0.101]
1/1 [=====] - 0s 66ms/step
>783, dr[0.729,0.500], df[0.120,0.115], g[2.137,0.077]
1/1 [=====] - 0s 73ms/step
>784, dr[0.440,0.616], df[0.515,0.083], g[1.658,0.137]
1/1 [=====] - 0s 69ms/step
>785, dr[0.487,1.186], df[0.920,0.184], g[2.127,0.113]
1/1 [=====] - 0s 71ms/step
>786, dr[0.591,1.148], df[0.521,0.173], g[1.816,0.119]
1/1 [=====] - 0s 71ms/step
>787, dr[0.441,0.432], df[0.470,0.073], g[2.154,0.056]
1/1 [=====] - 0s 74ms/step
>788, dr[0.439,1.031], df[0.755,0.207], g[1.851,0.093]
1/1 [=====] - 0s 71ms/step
>789, dr[0.535,0.681], df[0.430,0.052], g[1.549,0.093]
1/1 [=====] - 0s 77ms/step
>790, dr[0.522,1.134], df[0.591,0.084], g[1.551,0.041]
1/1 [=====] - 0s 69ms/step
>791, dr[0.205,0.859], df[0.397,0.069], g[1.655,0.082]
1/1 [=====] - 0s 73ms/step
>792, dr[0.284,0.710], df[0.642,0.049], g[2.602,0.101]
1/1 [=====] - 0s 72ms/step
>793, dr[0.540,0.850], df[0.271,0.082], g[2.497,0.089]
1/1 [=====] - 0s 73ms/step
>794, dr[0.506,0.753], df[0.302,0.090], g[2.565,0.219]
1/1 [=====] - 0s 76ms/step
>795, dr[0.648,0.654], df[0.611,0.129], g[2.377,0.177]
1/1 [=====] - 0s 76ms/step
>796, dr[0.589,0.383], df[0.263,0.095], g[1.946,0.095]
1/1 [=====] - 0s 75ms/step
>797, dr[0.389,1.306], df[0.416,0.272], g[2.151,0.105]
1/1 [=====] - 0s 69ms/step
>798, dr[0.288,0.363], df[0.256,0.061], g[2.259,0.142]
1/1 [=====] - 0s 68ms/step
>799, dr[0.270,0.771], df[0.318,0.106], g[1.645,0.059]
1/1 [=====] - 0s 69ms/step
>800, dr[0.130,1.059], df[0.350,0.171], g[2.643,0.074]
1/1 [=====] - 0s 68ms/step
>801, dr[0.875,0.592], df[0.518,0.066], g[1.594,0.053]
1/1 [=====] - 0s 72ms/step
>802, dr[0.296,0.811], df[0.531,0.142], g[2.402,0.086]
1/1 [=====] - 0s 67ms/step
>803, dr[0.279,1.388], df[0.403,0.262], g[2.174,0.060]
1/1 [=====] - 0s 71ms/step
>804, dr[0.369,0.866], df[0.316,0.065], g[2.186,0.175]
1/1 [=====] - 0s 69ms/step
>805, dr[0.432,1.028], df[0.168,0.062], g[1.926,0.053]
1/1 [=====] - 0s 80ms/step
>806, dr[0.250,0.824], df[0.236,0.155], g[1.951,0.128]
1/1 [=====] - 0s 77ms/step
>807, dr[0.492,0.813], df[0.539,0.123], g[1.748,0.145]
1/1 [=====] - 0s 69ms/step
>808, dr[0.171,0.839], df[0.314,0.133], g[2.185,0.217]
1/1 [=====] - 0s 73ms/step
>809, dr[0.554,0.612], df[0.363,0.159], g[2.072,0.119]
1/1 [=====] - 0s 68ms/step
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>810, dr[0.277,0.483], df[0.309,0.070], g[2.183,0.110]
1/1 [=====] - 0s 73ms/step
>811, dr[0.407,1.373], df[0.432,0.123], g[2.037,0.060]
1/1 [=====] - 0s 72ms/step
>812, dr[0.542,1.056], df[0.598,0.142], g[2.115,0.031]
1/1 [=====] - 0s 73ms/step
>813, dr[0.383,0.823], df[0.355,0.147], g[1.949,0.062]
1/1 [=====] - 0s 75ms/step
>814, dr[0.217,1.040], df[0.352,0.087], g[2.302,0.103]
1/1 [=====] - 0s 74ms/step
>815, dr[0.717,0.651], df[0.431,0.071], g[1.694,0.109]
1/1 [=====] - 0s 69ms/step
>816, dr[0.221,0.596], df[0.253,0.134], g[1.899,0.052]
1/1 [=====] - 0s 72ms/step
>817, dr[0.269,0.919], df[0.218,0.104], g[1.893,0.095]
1/1 [=====] - 0s 70ms/step
>818, dr[0.274,0.498], df[0.375,0.187], g[1.910,0.164]
1/1 [=====] - 0s 86ms/step
>819, dr[0.592,0.856], df[0.454,0.056], g[1.507,0.121]
1/1 [=====] - 0s 78ms/step
>820, dr[0.473,1.020], df[0.427,0.128], g[1.404,0.186]
1/1 [=====] - 0s 81ms/step
>821, dr[0.360,0.643], df[0.686,0.146], g[1.782,0.162]
1/1 [=====] - 0s 75ms/step
>822, dr[0.321,0.736], df[0.193,0.047], g[1.982,0.091]
1/1 [=====] - 0s 80ms/step
>823, dr[0.631,0.597], df[0.511,0.083], g[1.708,0.187]
1/1 [=====] - 0s 79ms/step
>824, dr[0.322,0.586], df[0.543,0.086], g[1.751,0.096]
1/1 [=====] - 0s 74ms/step
>825, dr[0.728,0.725], df[0.347,0.067], g[1.859,0.087]
1/1 [=====] - 0s 73ms/step
>826, dr[0.138,0.409], df[0.537,0.059], g[2.742,0.070]
1/1 [=====] - 0s 67ms/step
>827, dr[0.414,0.767], df[0.110,0.033], g[2.439,0.044]
1/1 [=====] - 0s 72ms/step
>828, dr[0.657,0.693], df[0.327,0.044], g[1.931,0.085]
1/1 [=====] - 0s 69ms/step
>829, dr[0.440,1.184], df[0.535,0.076], g[1.552,0.196]
1/1 [=====] - 0s 71ms/step
>830, dr[0.121,0.780], df[0.281,0.081], g[2.547,0.133]
1/1 [=====] - 0s 67ms/step
>831, dr[0.370,0.961], df[0.236,0.053], g[1.869,0.087]
1/1 [=====] - 0s 72ms/step
>832, dr[0.665,1.398], df[1.021,0.239], g[1.925,0.175]
1/1 [=====] - 0s 72ms/step
>833, dr[0.253,1.259], df[0.228,0.046], g[2.104,0.234]
1/1 [=====] - 0s 74ms/step
>834, dr[0.599,1.171], df[0.281,0.076], g[1.782,0.117]
1/1 [=====] - 0s 79ms/step
>835, dr[0.192,1.039], df[0.417,0.128], g[2.418,0.166]
1/1 [=====] - 0s 73ms/step
>836, dr[0.411,1.366], df[0.191,0.025], g[1.705,0.123]
1/1 [=====] - 0s 75ms/step
>837, dr[0.201,1.106], df[0.464,0.176], g[1.981,0.126]
1/1 [=====] - 0s 74ms/step
>838, dr[0.384,0.720], df[0.501,0.161], g[1.714,0.207]
1/1 [=====] - 0s 85ms/step
>839, dr[0.382,0.955], df[0.643,0.042], g[2.538,0.092]
1/1 [=====] - 0s 87ms/step
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>840, dr[0.326,0.515], df[0.379,0.100], g[2.012,0.253]
1/1 [=====] - 0s 97ms/step
>841, dr[0.487,0.742], df[0.331,0.067], g[1.955,0.140]
1/1 [=====] - 0s 83ms/step
>842, dr[0.426,0.791], df[0.460,0.033], g[2.007,0.076]
1/1 [=====] - 0s 87ms/step
>843, dr[0.396,0.751], df[0.577,0.076], g[1.858,0.137]
1/1 [=====] - 0s 87ms/step
>844, dr[0.533,1.292], df[0.548,0.425], g[2.089,0.085]
1/1 [=====] - 0s 86ms/step
>845, dr[0.675,0.958], df[0.358,0.040], g[1.627,0.082]
1/1 [=====] - 0s 78ms/step
>846, dr[0.431,1.136], df[0.504,0.080], g[1.363,0.208]
1/1 [=====] - 0s 88ms/step
>847, dr[0.255,0.673], df[0.431,0.144], g[2.049,0.131]
1/1 [=====] - 0s 90ms/step
>848, dr[0.422,0.942], df[0.410,0.267], g[2.781,0.063]
1/1 [=====] - 0s 88ms/step
>849, dr[0.409,0.333], df[0.372,0.196], g[2.175,0.077]
1/1 [=====] - 0s 85ms/step
>850, dr[0.538,0.491], df[0.306,0.228], g[1.748,0.042]
1/1 [=====] - 0s 89ms/step
>851, dr[0.216,1.190], df[0.302,0.118], g[2.032,0.067]
1/1 [=====] - 0s 86ms/step
>852, dr[0.272,0.448], df[0.714,0.070], g[2.060,0.049]
1/1 [=====] - 0s 87ms/step
>853, dr[0.338,0.682], df[0.324,0.112], g[2.022,0.137]
1/1 [=====] - 0s 93ms/step
>854, dr[0.443,0.431], df[0.228,0.074], g[2.066,0.131]
1/1 [=====] - 0s 89ms/step
>855, dr[0.403,1.047], df[0.389,0.161], g[1.642,0.061]
1/1 [=====] - 0s 87ms/step
>856, dr[0.242,0.672], df[0.588,0.050], g[2.307,0.131]
1/1 [=====] - 0s 103ms/step
>857, dr[0.294,0.658], df[0.315,0.085], g[2.510,0.138]
1/1 [=====] - 0s 89ms/step
>858, dr[0.357,1.131], df[0.194,0.118], g[2.402,0.093]
1/1 [=====] - 0s 93ms/step
>859, dr[0.380,0.921], df[0.247,0.069], g[1.671,0.094]
1/1 [=====] - 0s 86ms/step
>860, dr[0.549,0.879], df[0.513,0.059], g[1.804,0.112]
1/1 [=====] - 0s 86ms/step
>861, dr[0.264,0.692], df[0.432,0.184], g[2.268,0.182]
1/1 [=====] - 0s 89ms/step
>862, dr[0.807,0.563], df[0.592,0.043], g[1.296,0.234]
1/1 [=====] - 0s 84ms/step
>863, dr[0.302,0.569], df[0.250,0.118], g[1.761,0.040]
1/1 [=====] - 0s 89ms/step
>864, dr[0.428,1.071], df[0.378,0.102], g[1.806,0.120]
1/1 [=====] - 0s 75ms/step
>865, dr[0.271,0.643], df[0.439,0.328], g[1.788,0.171]
1/1 [=====] - 0s 68ms/step
>866, dr[0.447,0.986], df[0.345,0.196], g[1.750,0.151]
1/1 [=====] - 0s 72ms/step
>867, dr[0.341,1.135], df[0.566,0.074], g[1.632,0.223]
1/1 [=====] - 0s 72ms/step
>868, dr[0.187,0.800], df[0.225,0.078], g[1.595,0.162]
1/1 [=====] - 0s 70ms/step
>869, dr[0.484,0.689], df[0.360,0.188], g[1.729,0.132]
1/1 [=====] - 0s 68ms/step
```

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>870, dr[0.345,1.002], df[0.916,0.181], g[1.695,0.076]
1/1 [=====] - 0s 68ms/step
>871, dr[0.539,0.696], df[0.225,0.055], g[1.669,0.125]
1/1 [=====] - 0s 74ms/step
>872, dr[0.227,0.547], df[0.423,0.124], g[1.116,0.111]
1/1 [=====] - 0s 89ms/step
>873, dr[0.376,0.411], df[0.607,0.073], g[1.779,0.081]
1/1 [=====] - 0s 162ms/step
>874, dr[0.714,0.452], df[0.469,0.125], g[2.464,0.104]
1/1 [=====] - 0s 76ms/step
>875, dr[0.800,0.545], df[0.769,0.023], g[2.067,0.130]
1/1 [=====] - 0s 75ms/step
>876, dr[0.269,0.835], df[0.467,0.128], g[3.044,0.103]
1/1 [=====] - 0s 76ms/step
>877, dr[0.700,0.706], df[0.329,0.119], g[2.042,0.167]
1/1 [=====] - 0s 67ms/step
>878, dr[0.533,0.633], df[0.559,0.088], g[2.105,0.137]
1/1 [=====] - 0s 67ms/step
>879, dr[0.308,1.551], df[0.571,0.110], g[2.098,0.074]
1/1 [=====] - 0s 70ms/step
>880, dr[0.434,0.640], df[0.276,0.052], g[1.565,0.063]
1/1 [=====] - 0s 69ms/step
>881, dr[0.351,0.584], df[0.462,0.054], g[1.448,0.073]
1/1 [=====] - 0s 69ms/step
>882, dr[0.372,0.973], df[0.473,0.134], g[1.377,0.095]
1/1 [=====] - 0s 66ms/step
>883, dr[0.421,1.198], df[0.686,0.181], g[1.546,0.126]
1/1 [=====] - 0s 65ms/step
>884, dr[0.346,0.755], df[0.577,0.034], g[1.379,0.034]
1/1 [=====] - 0s 69ms/step
>885, dr[0.561,0.589], df[0.563,0.033], g[1.333,0.072]
1/1 [=====] - 0s 66ms/step
>886, dr[0.424,0.545], df[0.664,0.034], g[1.399,0.083]
1/1 [=====] - 0s 70ms/step
>887, dr[0.629,0.620], df[0.625,0.119], g[1.769,0.116]
1/1 [=====] - 0s 66ms/step
>888, dr[0.545,0.930], df[0.664,0.116], g[1.764,0.155]
1/1 [=====] - 0s 70ms/step
>889, dr[0.415,0.503], df[0.300,0.236], g[2.464,0.196]
1/1 [=====] - 0s 68ms/step
>890, dr[0.894,0.560], df[0.231,0.054], g[1.952,0.129]
1/1 [=====] - 0s 72ms/step
>891, dr[0.492,0.909], df[0.913,0.055], g[2.375,0.106]
1/1 [=====] - 0s 69ms/step
>892, dr[0.392,1.084], df[0.714,0.120], g[2.559,0.127]
1/1 [=====] - 0s 75ms/step
>893, dr[0.477,0.657], df[0.331,0.072], g[2.818,0.162]
1/1 [=====] - 0s 77ms/step
>894, dr[0.370,0.443], df[0.619,0.194], g[2.174,0.084]
1/1 [=====] - 0s 72ms/step
>895, dr[0.337,0.904], df[0.511,0.030], g[2.115,0.103]
1/1 [=====] - 0s 75ms/step
>896, dr[0.416,0.600], df[0.563,0.104], g[1.884,0.057]
1/1 [=====] - 0s 72ms/step
>897, dr[0.144,0.603], df[0.272,0.032], g[2.209,0.086]
1/1 [=====] - 0s 71ms/step
>898, dr[0.930,0.936], df[0.438,0.064], g[1.485,0.026]
1/1 [=====] - 0s 72ms/step
>899, dr[0.273,0.541], df[0.391,0.008], g[1.955,0.089]
1/1 [=====] - 0s 66ms/step
```

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>900, dr[0.233,1.030], df[0.775,0.200], g[2.082,0.055]
1/1 [=====] - 0s 72ms/step
>901, dr[0.890,0.905], df[0.286,0.047], g[1.776,0.116]
1/1 [=====] - 0s 68ms/step
>902, dr[0.314,0.725], df[0.649,0.074], g[2.123,0.078]
1/1 [=====] - 0s 75ms/step
>903, dr[0.706,0.347], df[0.372,0.116], g[2.587,0.044]
1/1 [=====] - 0s 68ms/step
>904, dr[0.370,1.131], df[0.526,0.112], g[2.035,0.160]
1/1 [=====] - 0s 72ms/step
>905, dr[0.378,0.797], df[0.271,0.148], g[1.803,0.085]
1/1 [=====] - 0s 67ms/step
>906, dr[0.374,0.606], df[0.353,0.095], g[2.135,0.067]
1/1 [=====] - 0s 71ms/step
>907, dr[0.463,0.496], df[0.411,0.127], g[1.184,0.136]
1/1 [=====] - 0s 69ms/step
>908, dr[0.252,1.051], df[0.525,0.154], g[1.684,0.031]
1/1 [=====] - 0s 75ms/step
>909, dr[0.537,0.820], df[0.453,0.045], g[1.621,0.066]
1/1 [=====] - 0s 67ms/step
>910, dr[0.489,0.439], df[0.380,0.138], g[1.108,0.092]
1/1 [=====] - 0s 74ms/step
>911, dr[0.315,0.427], df[0.327,0.023], g[1.034,0.103]
1/1 [=====] - 0s 70ms/step
>912, dr[0.257,0.759], df[0.811,0.065], g[1.662,0.037]
1/1 [=====] - 0s 75ms/step
>913, dr[0.433,0.475], df[0.652,0.031], g[2.074,0.092]
1/1 [=====] - 0s 68ms/step
>914, dr[0.492,0.451], df[0.190,0.065], g[1.689,0.035]
1/1 [=====] - 0s 76ms/step
>915, dr[0.283,0.810], df[0.289,0.035], g[1.402,0.141]
1/1 [=====] - 0s 71ms/step
>916, dr[0.311,0.555], df[0.302,0.055], g[1.322,0.068]
1/1 [=====] - 0s 67ms/step
>917, dr[0.157,0.827], df[0.449,0.064], g[2.086,0.207]
1/1 [=====] - 0s 71ms/step
>918, dr[0.597,0.888], df[0.583,0.129], g[1.267,0.264]
1/1 [=====] - 0s 71ms/step
>919, dr[0.535,0.765], df[0.318,0.200], g[1.575,0.219]
1/1 [=====] - 0s 71ms/step
>920, dr[0.944,0.739], df[0.867,0.064], g[1.507,0.040]
1/1 [=====] - 0s 72ms/step
>921, dr[0.259,0.938], df[0.227,0.046], g[1.533,0.115]
1/1 [=====] - 0s 74ms/step
>922, dr[0.499,0.974], df[0.502,0.068], g[1.332,0.098]
1/1 [=====] - 0s 68ms/step
>923, dr[0.646,0.977], df[0.382,0.207], g[1.305,0.302]
1/1 [=====] - 0s 73ms/step
>924, dr[0.382,1.029], df[0.733,0.132], g[1.054,0.069]
1/1 [=====] - 0s 68ms/step
>925, dr[0.384,0.731], df[0.812,0.150], g[1.792,0.085]
1/1 [=====] - 0s 72ms/step
>926, dr[0.548,0.661], df[0.700,0.077], g[1.832,0.074]
1/1 [=====] - 0s 66ms/step
>927, dr[0.539,0.917], df[0.330,0.066], g[1.340,0.080]
1/1 [=====] - 0s 72ms/step
>928, dr[0.479,0.633], df[0.735,0.054], g[1.729,0.145]
1/1 [=====] - 0s 69ms/step
>929, dr[0.341,0.793], df[0.283,0.106], g[1.587,0.146]
1/1 [=====] - 0s 74ms/step
```

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>930, dr[0.455,0.700], df[1.061,0.152], g[1.876,0.149]
1/1 [=====] - 0s 73ms/step
>931, dr[0.763,0.604], df[0.907,0.214], g[2.051,0.128]
1/1 [=====] - 0s 74ms/step
>932, dr[0.933,0.678], df[0.718,0.132], g[2.503,0.103]
1/1 [=====] - 0s 68ms/step
>933, dr[1.025,0.854], df[0.717,0.146], g[2.309,0.180]
1/1 [=====] - 0s 70ms/step
>934, dr[0.542,0.851], df[0.567,0.098], g[2.535,0.142]
1/1 [=====] - 0s 72ms/step
>935, dr[0.902,0.927], df[0.237,0.027], g[2.030,0.090]
1/1 [=====] - 0s 72ms/step
>936, dr[0.941,0.626], df[0.936,0.049], g[1.203,0.326]
1/1 [=====] - 0s 68ms/step
>937, dr[0.252,0.830], df[0.989,0.069], g[1.647,0.132]
4/4 [=====] - 1s 49ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_0937.png and model_0937.h5
1/1 [=====] - 0s 81ms/step
>938, dr[0.854,0.695], df[0.659,0.068], g[2.209,0.113]
1/1 [=====] - 0s 89ms/step
>939, dr[1.332,0.383], df[0.564,0.163], g[1.718,0.060]
1/1 [=====] - 0s 71ms/step
>940, dr[0.365,0.576], df[0.860,0.485], g[2.014,0.080]
1/1 [=====] - 0s 73ms/step
>941, dr[0.351,1.195], df[0.383,0.045], g[2.026,0.085]
1/1 [=====] - 0s 79ms/step
>942, dr[0.546,0.939], df[0.296,0.127], g[1.809,0.205]
1/1 [=====] - 0s 69ms/step
>943, dr[0.289,0.771], df[0.327,0.110], g[1.584,0.156]
1/1 [=====] - 0s 88ms/step
>944, dr[0.211,0.487], df[0.463,0.073], g[1.707,0.059]
1/1 [=====] - 0s 94ms/step
>945, dr[0.545,1.115], df[0.517,0.136], g[1.487,0.109]
1/1 [=====] - 0s 92ms/step
>946, dr[0.573,0.433], df[1.111,0.274], g[1.786,0.080]
1/1 [=====] - 0s 75ms/step
>947, dr[0.597,1.430], df[0.580,0.055], g[2.166,0.080]
1/1 [=====] - 0s 80ms/step
>948, dr[0.713,0.731], df[0.776,0.248], g[2.126,0.052]
1/1 [=====] - 0s 84ms/step
>949, dr[0.561,0.849], df[0.704,0.104], g[2.228,0.247]
1/1 [=====] - 0s 74ms/step
>950, dr[0.697,0.839], df[0.421,0.200], g[1.970,0.202]
1/1 [=====] - 0s 73ms/step
>951, dr[0.754,0.242], df[0.530,0.136], g[1.735,0.256]
1/1 [=====] - 0s 85ms/step
>952, dr[0.484,1.088], df[0.618,0.152], g[1.660,0.138]
1/1 [=====] - 0s 72ms/step
>953, dr[0.406,0.532], df[0.528,0.140], g[1.377,0.246]
1/1 [=====] - 0s 81ms/step
>954, dr[0.563,0.561], df[0.690,0.137], g[1.743,0.152]
1/1 [=====] - 0s 72ms/step
>955, dr[0.494,0.726], df[0.396,0.181], g[1.629,0.079]
1/1 [=====] - 0s 80ms/step
>956, dr[0.571,0.542], df[0.453,0.158], g[1.335,0.144]
1/1 [=====] - 0s 69ms/step
>957, dr[0.352,0.587], df[0.803,0.165], g[1.753,0.088]
1/1 [=====] - 0s 77ms/step
```

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>958, dr[0.329,0.378], df[0.358,0.063], g[1.604,0.107]
1/1 [=====] - 0s 78ms/step
>959, dr[0.544,1.438], df[0.713,0.078], g[1.665,0.091]
1/1 [=====] - 0s 76ms/step
>960, dr[0.679,1.186], df[0.627,0.154], g[1.472,0.183]
1/1 [=====] - 0s 70ms/step
>961, dr[0.521,1.072], df[0.411,0.051], g[1.380,0.102]
1/1 [=====] - 0s 68ms/step
>962, dr[0.323,0.930], df[0.687,0.268], g[1.602,0.113]
1/1 [=====] - 0s 77ms/step
>963, dr[0.488,0.464], df[0.366,0.190], g[2.050,0.091]
1/1 [=====] - 0s 68ms/step
>964, dr[0.409,0.661], df[0.654,0.196], g[2.130,0.106]
1/1 [=====] - 0s 76ms/step
>965, dr[0.905,0.601], df[0.633,0.081], g[1.728,0.062]
1/1 [=====] - 0s 67ms/step
>966, dr[0.715,0.854], df[0.436,0.093], g[1.615,0.142]
1/1 [=====] - 0s 72ms/step
>967, dr[0.682,0.439], df[0.925,0.311], g[1.710,0.065]
1/1 [=====] - 0s 68ms/step
>968, dr[0.594,0.716], df[0.356,0.163], g[2.306,0.130]
1/1 [=====] - 0s 71ms/step
>969, dr[0.697,0.911], df[0.572,0.084], g[1.477,0.084]
1/1 [=====] - 0s 68ms/step
>970, dr[0.702,1.097], df[0.597,0.057], g[1.114,0.122]
1/1 [=====] - 0s 70ms/step
>971, dr[0.331,1.252], df[0.472,0.208], g[1.395,0.080]
1/1 [=====] - 0s 72ms/step
>972, dr[0.515,0.898], df[0.584,0.066], g[1.644,0.136]
1/1 [=====] - 0s 68ms/step
>973, dr[0.632,0.605], df[0.554,0.170], g[1.603,0.099]
1/1 [=====] - 0s 71ms/step
>974, dr[0.293,0.487], df[0.578,0.192], g[1.663,0.098]
1/1 [=====] - 0s 70ms/step
>975, dr[0.502,0.622], df[0.464,0.073], g[1.690,0.099]
1/1 [=====] - 0s 69ms/step
>976, dr[0.567,0.864], df[0.618,0.070], g[1.923,0.076]
1/1 [=====] - 0s 68ms/step
>977, dr[0.469,1.089], df[0.497,0.057], g[2.345,0.246]
1/1 [=====] - 0s 73ms/step
>978, dr[0.465,0.415], df[0.527,0.062], g[1.912,0.196]
1/1 [=====] - 0s 71ms/step
>979, dr[0.510,0.713], df[0.706,0.140], g[2.071,0.134]
1/1 [=====] - 0s 80ms/step
>980, dr[0.522,0.529], df[0.428,0.108], g[1.672,0.081]
1/1 [=====] - 0s 70ms/step
>981, dr[0.509,0.860], df[0.490,0.068], g[2.020,0.127]
1/1 [=====] - 0s 74ms/step
>982, dr[0.447,1.032], df[1.118,0.090], g[2.249,0.108]
1/1 [=====] - 0s 70ms/step
>983, dr[0.797,0.835], df[0.541,0.235], g[1.573,0.189]
1/1 [=====] - 0s 75ms/step
>984, dr[0.471,0.637], df[0.357,0.146], g[1.327,0.069]
1/1 [=====] - 0s 68ms/step
>985, dr[0.330,0.718], df[0.575,0.116], g[1.677,0.216]
1/1 [=====] - 0s 73ms/step
>986, dr[0.602,0.468], df[0.461,0.083], g[1.879,0.075]
1/1 [=====] - 0s 68ms/step
>987, dr[0.450,0.829], df[0.523,0.125], g[1.882,0.169]
1/1 [=====] - 0s 69ms/step
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>988, dr[0.928,1.008], df[0.562,0.127], g[1.080,0.313]
1/1 [=====] - 0s 71ms/step
>989, dr[0.768,0.954], df[0.470,0.227], g[1.440,0.116]
1/1 [=====] - 0s 67ms/step
>990, dr[0.438,0.564], df[0.498,0.257], g[1.267,0.283]
1/1 [=====] - 0s 69ms/step
>991, dr[0.295,0.600], df[0.735,0.064], g[2.208,0.156]
1/1 [=====] - 0s 67ms/step
>992, dr[0.627,0.660], df[0.543,0.068], g[1.907,0.095]
1/1 [=====] - 0s 70ms/step
>993, dr[0.692,0.730], df[0.455,0.076], g[1.800,0.111]
1/1 [=====] - 0s 69ms/step
>994, dr[0.344,0.285], df[0.583,0.117], g[1.746,0.300]
1/1 [=====] - 0s 74ms/step
>995, dr[0.886,0.708], df[0.609,0.134], g[1.912,0.128]
1/1 [=====] - 0s 73ms/step
>996, dr[0.410,0.431], df[0.815,0.229], g[2.452,0.162]
1/1 [=====] - 0s 96ms/step
>997, dr[0.423,0.804], df[0.261,0.230], g[2.256,0.223]
1/1 [=====] - 0s 83ms/step
>998, dr[0.254,0.817], df[0.310,0.170], g[1.603,0.226]
1/1 [=====] - 0s 86ms/step
>999, dr[0.427,1.303], df[0.628,0.264], g[2.235,0.116]
1/1 [=====] - 0s 87ms/step
>1000, dr[0.921,0.399], df[0.385,0.123], g[1.955,0.176]
1/1 [=====] - 0s 84ms/step
>1001, dr[0.649,0.666], df[0.860,0.202], g[1.883,0.161]
1/1 [=====] - 0s 92ms/step
>1002, dr[0.326,0.925], df[0.550,0.153], g[2.782,0.229]
1/1 [=====] - 0s 91ms/step
>1003, dr[0.873,0.895], df[0.333,0.297], g[2.037,0.197]
1/1 [=====] - 0s 87ms/step
>1004, dr[0.579,0.782], df[1.137,0.721], g[1.291,0.198]
1/1 [=====] - 0s 93ms/step
>1005, dr[0.682,0.562], df[0.701,0.127], g[1.758,0.104]
1/1 [=====] - 0s 85ms/step
>1006, dr[0.507,0.740], df[0.680,0.410], g[1.622,0.232]
1/1 [=====] - 0s 71ms/step
>1007, dr[0.626,0.957], df[0.500,0.442], g[1.716,0.089]
1/1 [=====] - 0s 89ms/step
>1008, dr[0.781,0.398], df[0.656,0.231], g[1.372,0.077]
1/1 [=====] - 0s 68ms/step
>1009, dr[0.362,0.846], df[0.711,0.087], g[1.483,0.098]
1/1 [=====] - 0s 73ms/step
>1010, dr[0.517,1.183], df[0.717,0.278], g[1.759,0.088]
1/1 [=====] - 0s 68ms/step
>1011, dr[0.575,0.812], df[0.341,0.144], g[1.480,0.106]
1/1 [=====] - 0s 71ms/step
>1012, dr[0.550,0.681], df[1.128,0.106], g[1.696,0.180]
1/1 [=====] - 0s 74ms/step
>1013, dr[0.469,0.700], df[0.273,0.127], g[1.639,0.122]
1/1 [=====] - 0s 72ms/step
>1014, dr[0.788,0.696], df[0.567,0.136], g[1.370,0.134]
1/1 [=====] - 0s 72ms/step
>1015, dr[0.354,0.821], df[0.394,0.066], g[1.655,0.143]
1/1 [=====] - 0s 75ms/step
>1016, dr[0.481,0.879], df[0.687,0.176], g[1.786,0.167]
1/1 [=====] - 0s 83ms/step
>1017, dr[0.469,0.714], df[0.353,0.102], g[1.980,0.099]
1/1 [=====] - 0s 81ms/step
```

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>1018, dr[0.600,0.927], df[0.629,0.112], g[1.712,0.181]
1/1 [=====] - 0s 100ms/step
>1019, dr[0.891,0.621], df[0.502,0.135], g[1.294,0.084]
1/1 [=====] - 0s 107ms/step
>1020, dr[0.612,0.344], df[0.522,0.151], g[1.466,0.256]
1/1 [=====] - 0s 75ms/step
>1021, dr[0.584,0.546], df[1.092,0.320], g[1.129,0.206]
1/1 [=====] - 0s 79ms/step
>1022, dr[0.497,0.706], df[0.855,0.066], g[1.710,0.092]
1/1 [=====] - 0s 75ms/step
>1023, dr[0.418,0.855], df[0.442,0.215], g[1.671,0.180]
1/1 [=====] - 0s 68ms/step
>1024, dr[0.824,0.925], df[0.810,0.160], g[1.075,0.044]
1/1 [=====] - 0s 71ms/step
>1025, dr[0.543,0.869], df[0.689,0.156], g[0.926,0.124]
1/1 [=====] - 0s 68ms/step
>1026, dr[0.414,1.011], df[1.043,0.059], g[1.643,0.136]
1/1 [=====] - 0s 75ms/step
>1027, dr[0.696,1.244], df[0.802,0.145], g[1.810,0.136]
1/1 [=====] - 0s 72ms/step
>1028, dr[0.532,0.892], df[0.820,0.291], g[2.420,0.180]
1/1 [=====] - 0s 80ms/step
>1029, dr[1.681,0.516], df[0.742,0.215], g[1.478,0.187]
1/1 [=====] - 0s 75ms/step
>1030, dr[0.565,0.695], df[0.978,0.092], g[1.742,0.078]
1/1 [=====] - 0s 80ms/step
>1031, dr[0.693,0.417], df[0.582,0.116], g[1.940,0.139]
1/1 [=====] - 0s 69ms/step
>1032, dr[0.912,0.889], df[0.707,0.378], g[1.465,0.143]
1/1 [=====] - 0s 73ms/step
>1033, dr[0.657,0.756], df[0.893,0.126], g[1.644,0.156]
1/1 [=====] - 0s 72ms/step
>1034, dr[0.396,0.425], df[0.421,0.099], g[1.935,0.123]
1/1 [=====] - 0s 72ms/step
>1035, dr[0.849,0.755], df[0.477,0.171], g[1.288,0.114]
1/1 [=====] - 0s 77ms/step
>1036, dr[0.392,1.194], df[0.797,0.080], g[1.896,0.068]
1/1 [=====] - 0s 73ms/step
>1037, dr[0.779,0.587], df[0.390,0.134], g[1.646,0.170]
1/1 [=====] - 0s 87ms/step
>1038, dr[0.336,0.773], df[0.566,0.058], g[1.248,0.130]
1/1 [=====] - 0s 70ms/step
>1039, dr[0.699,0.240], df[0.523,0.063], g[1.212,0.142]
1/1 [=====] - 0s 76ms/step
>1040, dr[0.601,0.502], df[0.691,0.212], g[2.007,0.120]
1/1 [=====] - 0s 68ms/step
>1041, dr[0.448,0.472], df[0.525,0.152], g[1.613,0.081]
1/1 [=====] - 0s 76ms/step
>1042, dr[0.526,0.749], df[0.511,0.224], g[2.288,0.081]
1/1 [=====] - 0s 66ms/step
>1043, dr[0.898,0.816], df[0.775,0.127], g[1.747,0.179]
1/1 [=====] - 0s 69ms/step
>1044, dr[0.432,1.000], df[0.685,0.213], g[2.144,0.245]
1/1 [=====] - 0s 78ms/step
>1045, dr[0.989,1.210], df[0.536,0.200], g[1.622,0.184]
1/1 [=====] - 0s 66ms/step
>1046, dr[0.689,0.749], df[0.659,0.227], g[1.664,0.192]
1/1 [=====] - 0s 73ms/step
>1047, dr[0.583,0.737], df[0.601,0.136], g[1.718,0.218]
1/1 [=====] - 0s 71ms/step
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>1048, dr[0.402,0.767], df[0.363,0.175], g[2.060,0.166]
1/1 [=====] - 0s 77ms/step
>1049, dr[0.520,0.785], df[0.513,0.182], g[1.876,0.106]
1/1 [=====] - 0s 76ms/step
>1050, dr[0.675,1.098], df[0.577,0.173], g[1.917,0.099]
1/1 [=====] - 0s 72ms/step
>1051, dr[0.603,1.006], df[0.566,0.108], g[1.733,0.208]
1/1 [=====] - 0s 68ms/step
>1052, dr[0.229,0.536], df[0.422,0.181], g[2.037,0.137]
1/1 [=====] - 0s 72ms/step
>1053, dr[0.539,0.623], df[0.549,0.211], g[1.958,0.136]
1/1 [=====] - 0s 66ms/step
>1054, dr[0.701,0.632], df[0.521,0.267], g[1.733,0.186]
1/1 [=====] - 0s 78ms/step
>1055, dr[0.355,0.847], df[0.566,0.169], g[2.053,0.215]
1/1 [=====] - 0s 73ms/step
>1056, dr[0.482,0.947], df[0.321,0.299], g[2.089,0.118]
1/1 [=====] - 0s 79ms/step
>1057, dr[0.552,0.805], df[0.488,0.305], g[1.800,0.174]
1/1 [=====] - 0s 82ms/step
>1058, dr[0.277,0.593], df[0.531,0.240], g[1.732,0.148]
1/1 [=====] - 0s 67ms/step
>1059, dr[0.432,0.873], df[0.576,0.341], g[2.011,0.092]
1/1 [=====] - 0s 84ms/step
>1060, dr[0.404,1.014], df[0.441,0.255], g[2.047,0.234]
1/1 [=====] - 0s 67ms/step
>1061, dr[0.661,0.560], df[0.543,0.110], g[2.163,0.241]
1/1 [=====] - 0s 73ms/step
>1062, dr[0.525,0.507], df[0.553,0.282], g[1.875,0.106]
1/1 [=====] - 0s 67ms/step
>1063, dr[0.507,0.654], df[0.486,0.160], g[1.871,0.114]
1/1 [=====] - 0s 74ms/step
>1064, dr[0.470,0.389], df[0.765,0.274], g[1.844,0.138]
1/1 [=====] - 0s 71ms/step
>1065, dr[0.430,0.946], df[0.575,0.127], g[2.331,0.082]
1/1 [=====] - 0s 70ms/step
>1066, dr[0.797,0.717], df[0.314,0.074], g[1.791,0.119]
1/1 [=====] - 0s 71ms/step
>1067, dr[0.310,0.585], df[1.092,0.131], g[2.081,0.257]
1/1 [=====] - 0s 68ms/step
>1068, dr[1.055,0.848], df[0.485,0.050], g[1.836,0.298]
1/1 [=====] - 0s 67ms/step
>1069, dr[0.532,0.861], df[0.601,0.077], g[1.333,0.141]
1/1 [=====] - 0s 69ms/step
>1070, dr[0.546,0.494], df[0.619,0.086], g[1.534,0.217]
1/1 [=====] - 0s 71ms/step
>1071, dr[0.688,0.473], df[0.550,0.249], g[1.648,0.085]
1/1 [=====] - 0s 67ms/step
>1072, dr[0.553,0.446], df[0.620,0.045], g[1.344,0.107]
1/1 [=====] - 0s 73ms/step
>1073, dr[0.419,0.746], df[0.740,0.171], g[2.140,0.105]
1/1 [=====] - 0s 68ms/step
>1074, dr[0.567,0.747], df[0.268,0.156], g[2.220,0.176]
1/1 [=====] - 0s 76ms/step
>1075, dr[0.628,0.389], df[0.414,0.193], g[1.655,0.206]
1/1 [=====] - 0s 72ms/step
>1076, dr[0.448,1.241], df[0.729,0.131], g[1.622,0.128]
1/1 [=====] - 0s 73ms/step
>1077, dr[0.519,0.760], df[0.507,0.248], g[1.639,0.119]
1/1 [=====] - 0s 69ms/step
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>1078, dr[0.502,0.802], df[0.757,0.136], g[1.594,0.224]
1/1 [=====] - 0s 75ms/step
>1079, dr[0.583,0.654], df[0.609,0.112], g[1.677,0.156]
1/1 [=====] - 0s 67ms/step
>1080, dr[0.410,0.425], df[0.558,0.092], g[1.991,0.086]
1/1 [=====] - 0s 72ms/step
>1081, dr[0.510,0.556], df[0.677,0.111], g[1.623,0.087]
1/1 [=====] - 0s 69ms/step
>1082, dr[0.365,0.584], df[0.301,0.145], g[1.967,0.195]
1/1 [=====] - 0s 77ms/step
>1083, dr[0.521,0.618], df[0.589,0.150], g[1.476,0.129]
1/1 [=====] - 0s 67ms/step
>1084, dr[0.525,0.662], df[0.655,0.077], g[2.149,0.125]
1/1 [=====] - 0s 69ms/step
>1085, dr[0.405,0.657], df[0.343,0.153], g[1.955,0.155]
1/1 [=====] - 0s 72ms/step
>1086, dr[0.609,1.095], df[0.478,0.109], g[1.607,0.073]
1/1 [=====] - 0s 67ms/step
>1087, dr[0.410,0.784], df[0.621,0.236], g[1.751,0.222]
1/1 [=====] - 0s 67ms/step
>1088, dr[0.657,0.652], df[0.711,0.048], g[1.908,0.148]
1/1 [=====] - 0s 67ms/step
>1089, dr[0.624,1.218], df[0.517,0.143], g[1.583,0.199]
1/1 [=====] - 0s 68ms/step
>1090, dr[0.491,0.730], df[0.804,0.231], g[2.366,0.131]
1/1 [=====] - 0s 67ms/step
>1091, dr[0.586,0.535], df[0.522,0.121], g[2.358,0.115]
1/1 [=====] - 0s 71ms/step
>1092, dr[0.685,0.718], df[0.504,0.174], g[1.765,0.116]
1/1 [=====] - 0s 68ms/step
>1093, dr[0.259,0.356], df[0.354,0.247], g[2.023,0.164]
1/1 [=====] - 0s 72ms/step
>1094, dr[0.548,0.596], df[0.544,0.111], g[1.957,0.100]
1/1 [=====] - 0s 76ms/step
>1095, dr[0.584,0.924], df[0.616,0.059], g[1.716,0.077]
1/1 [=====] - 0s 78ms/step
>1096, dr[0.558,0.598], df[0.482,0.041], g[1.806,0.110]
1/1 [=====] - 0s 78ms/step
>1097, dr[0.528,0.573], df[0.359,0.052], g[1.764,0.172]
1/1 [=====] - 0s 84ms/step
>1098, dr[0.509,1.123], df[0.623,0.060], g[1.555,0.164]
1/1 [=====] - 0s 74ms/step
>1099, dr[0.398,1.010], df[0.920,0.407], g[1.537,0.153]
1/1 [=====] - 0s 71ms/step
>1100, dr[0.433,0.291], df[0.296,0.112], g[1.863,0.106]
1/1 [=====] - 0s 88ms/step
>1101, dr[0.563,0.777], df[0.339,0.259], g[1.499,0.054]
1/1 [=====] - 0s 92ms/step
>1102, dr[0.354,0.637], df[0.894,0.193], g[2.002,0.120]
1/1 [=====] - 0s 92ms/step
>1103, dr[0.598,0.919], df[0.582,0.375], g[2.138,0.130]
1/1 [=====] - 0s 73ms/step
>1104, dr[0.648,1.042], df[0.584,0.051], g[2.340,0.204]
1/1 [=====] - 0s 76ms/step
>1105, dr[0.815,0.967], df[0.545,0.199], g[1.796,0.131]
1/1 [=====] - 0s 71ms/step
>1106, dr[0.687,0.963], df[0.790,0.208], g[1.748,0.245]
1/1 [=====] - 0s 79ms/step
>1107, dr[0.466,0.556], df[0.543,0.376], g[2.146,0.252]
1/1 [=====] - 0s 74ms/step
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>1108, dr[0.351,0.854], df[0.441,0.206], g[2.298,0.101]
1/1 [=====] - 0s 71ms/step
>1109, dr[0.447,0.443], df[0.843,0.078], g[1.988,0.193]
1/1 [=====] - 0s 72ms/step
>1110, dr[0.638,0.648], df[0.494,0.112], g[2.056,0.053]
1/1 [=====] - 0s 74ms/step
>1111, dr[0.884,0.598], df[0.538,0.064], g[1.435,0.101]
1/1 [=====] - 0s 83ms/step
>1112, dr[0.630,0.563], df[0.620,0.088], g[1.298,0.125]
1/1 [=====] - 0s 72ms/step
>1113, dr[0.340,0.636], df[0.518,0.102], g[1.514,0.189]
1/1 [=====] - 0s 82ms/step
>1114, dr[0.594,0.406], df[0.482,0.078], g[1.470,0.092]
1/1 [=====] - 0s 75ms/step
>1115, dr[0.608,0.983], df[1.162,0.093], g[2.005,0.103]
1/1 [=====] - 0s 84ms/step
>1116, dr[0.535,0.994], df[0.372,0.177], g[1.827,0.181]
1/1 [=====] - 0s 98ms/step
>1117, dr[0.858,0.496], df[0.552,0.218], g[1.948,0.083]
1/1 [=====] - 0s 86ms/step
>1118, dr[0.343,0.461], df[0.713,0.104], g[2.146,0.149]
1/1 [=====] - 0s 98ms/step
>1119, dr[0.981,0.618], df[0.381,0.220], g[1.467,0.180]
1/1 [=====] - 0s 95ms/step
>1120, dr[0.499,0.712], df[0.754,0.370], g[2.172,0.126]
1/1 [=====] - 0s 87ms/step
>1121, dr[0.524,1.195], df[0.501,0.111], g[1.537,0.339]
1/1 [=====] - 0s 104ms/step
>1122, dr[0.597,1.009], df[0.724,0.347], g[1.613,0.209]
1/1 [=====] - 0s 97ms/step
>1123, dr[0.487,0.340], df[0.515,0.074], g[1.711,0.132]
1/1 [=====] - 0s 103ms/step
>1124, dr[0.887,0.750], df[0.899,0.124], g[1.806,0.188]
1/1 [=====] - 0s 80ms/step
>1125, dr[0.661,0.372], df[0.468,0.168], g[1.924,0.158]
1/1 [=====] - 0s 81ms/step
>1126, dr[0.503,0.883], df[0.898,0.255], g[1.856,0.153]
1/1 [=====] - 0s 76ms/step
>1127, dr[0.723,0.968], df[0.588,0.110], g[1.778,0.068]
1/1 [=====] - 0s 80ms/step
>1128, dr[0.498,0.741], df[0.369,0.076], g[1.968,0.134]
1/1 [=====] - 0s 78ms/step
>1129, dr[0.389,0.565], df[0.549,0.099], g[2.072,0.081]
1/1 [=====] - 0s 80ms/step
>1130, dr[0.497,0.809], df[0.545,0.111], g[1.809,0.114]
1/1 [=====] - 0s 74ms/step
>1131, dr[0.411,1.324], df[0.519,0.045], g[2.355,0.089]
1/1 [=====] - 0s 83ms/step
>1132, dr[0.581,0.378], df[0.351,0.127], g[1.764,0.041]
1/1 [=====] - 0s 73ms/step
>1133, dr[0.587,0.821], df[0.560,0.161], g[1.855,0.087]
1/1 [=====] - 0s 77ms/step
>1134, dr[0.415,1.162], df[0.579,0.099], g[1.992,0.077]
1/1 [=====] - 0s 87ms/step
>1135, dr[0.695,0.796], df[0.887,0.263], g[1.974,0.158]
1/1 [=====] - 0s 78ms/step
>1136, dr[0.607,0.664], df[0.498,0.233], g[1.696,0.210]
1/1 [=====] - 0s 88ms/step
>1137, dr[0.528,0.290], df[0.683,0.167], g[2.176,0.130]
1/1 [=====] - 0s 78ms/step
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>1138, dr[0.536,0.682], df[0.422,0.077], g[2.061,0.184]
1/1 [=====] - 0s 84ms/step
>1139, dr[0.585,1.000], df[0.462,0.286], g[1.919,0.204]
1/1 [=====] - 0s 83ms/step
>1140, dr[0.564,0.643], df[0.608,0.101], g[1.417,0.157]
1/1 [=====] - 0s 78ms/step
>1141, dr[0.539,0.551], df[0.692,0.137], g[1.931,0.065]
1/1 [=====] - 0s 89ms/step
>1142, dr[0.519,0.639], df[0.417,0.164], g[2.108,0.143]
1/1 [=====] - 0s 79ms/step
>1143, dr[0.746,0.580], df[0.798,0.261], g[1.938,0.128]
1/1 [=====] - 0s 85ms/step
>1144, dr[0.579,0.930], df[0.385,0.249], g[1.858,0.318]
1/1 [=====] - 0s 73ms/step
>1145, dr[0.562,1.109], df[0.602,0.125], g[1.666,0.230]
1/1 [=====] - 0s 71ms/step
>1146, dr[0.560,0.718], df[0.363,0.178], g[1.866,0.154]
1/1 [=====] - 0s 82ms/step
>1147, dr[0.524,0.974], df[0.752,0.195], g[1.550,0.250]
1/1 [=====] - 0s 77ms/step
>1148, dr[0.545,0.603], df[0.547,0.220], g[1.726,0.165]
1/1 [=====] - 0s 75ms/step
>1149, dr[0.625,0.604], df[0.760,0.170], g[2.263,0.167]
1/1 [=====] - 0s 70ms/step
>1150, dr[0.572,0.555], df[0.462,0.205], g[1.772,0.177]
1/1 [=====] - 0s 78ms/step
>1151, dr[0.540,0.667], df[0.564,0.142], g[1.684,0.145]
1/1 [=====] - 0s 77ms/step
>1152, dr[0.509,0.694], df[0.461,0.094], g[1.846,0.182]
1/1 [=====] - 0s 87ms/step
>1153, dr[0.349,0.706], df[0.478,0.132], g[1.919,0.108]
1/1 [=====] - 0s 89ms/step
>1154, dr[0.869,0.776], df[0.528,0.098], g[1.503,0.167]
1/1 [=====] - 0s 81ms/step
>1155, dr[0.581,0.681], df[0.582,0.044], g[1.409,0.088]
1/1 [=====] - 0s 75ms/step
>1156, dr[0.334,0.794], df[0.773,0.162], g[1.899,0.063]
1/1 [=====] - 0s 76ms/step
>1157, dr[0.735,0.567], df[0.630,0.094], g[2.337,0.091]
1/1 [=====] - 0s 74ms/step
>1158, dr[0.586,0.815], df[0.428,0.057], g[1.652,0.268]
1/1 [=====] - 0s 67ms/step
>1159, dr[0.464,0.506], df[0.449,0.147], g[1.641,0.079]
1/1 [=====] - 0s 73ms/step
>1160, dr[0.435,0.567], df[0.531,0.091], g[1.709,0.147]
1/1 [=====] - 0s 72ms/step
>1161, dr[0.614,0.762], df[0.654,0.098], g[1.733,0.178]
1/1 [=====] - 0s 90ms/step
>1162, dr[0.523,0.289], df[0.631,0.083], g[2.065,0.092]
1/1 [=====] - 0s 67ms/step
>1163, dr[0.675,0.574], df[0.507,0.162], g[1.829,0.117]
1/1 [=====] - 0s 68ms/step
>1164, dr[0.387,0.492], df[0.395,0.201], g[1.695,0.079]
1/1 [=====] - 0s 74ms/step
>1165, dr[0.582,1.342], df[0.479,0.124], g[1.754,0.057]
1/1 [=====] - 0s 68ms/step
>1166, dr[0.657,0.561], df[0.734,0.055], g[1.510,0.135]
1/1 [=====] - 0s 79ms/step
>1167, dr[0.601,0.314], df[0.790,0.163], g[2.048,0.080]
1/1 [=====] - 0s 70ms/step
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>1168, dr[0.531,0.475], df[0.338,0.076], g[1.528,0.138]
1/1 [=====] - 0s 78ms/step
>1169, dr[0.385,0.765], df[0.528,0.242], g[1.902,0.195]
1/1 [=====] - 0s 67ms/step
>1170, dr[0.600,1.264], df[0.564,0.110], g[2.018,0.118]
1/1 [=====] - 0s 71ms/step
>1171, dr[0.706,0.640], df[0.378,0.250], g[1.896,0.276]
1/1 [=====] - 0s 72ms/step
>1172, dr[0.602,0.537], df[0.401,0.169], g[1.566,0.125]
1/1 [=====] - 0s 76ms/step
>1173, dr[0.485,0.363], df[0.752,0.197], g[1.883,0.213]
1/1 [=====] - 0s 69ms/step
>1174, dr[0.748,0.890], df[0.647,0.264], g[1.608,0.149]
1/1 [=====] - 0s 73ms/step
>1175, dr[0.401,0.744], df[0.473,0.071], g[1.877,0.116]
1/1 [=====] - 0s 68ms/step
>1176, dr[0.447,0.491], df[0.443,0.152], g[2.140,0.115]
1/1 [=====] - 0s 71ms/step
>1177, dr[0.418,0.646], df[0.605,0.275], g[2.029,0.204]
1/1 [=====] - 0s 67ms/step
>1178, dr[0.503,1.017], df[0.398,0.039], g[2.268,0.179]
1/1 [=====] - 0s 70ms/step
>1179, dr[0.911,0.568], df[0.745,0.095], g[1.471,0.179]
1/1 [=====] - 0s 71ms/step
>1180, dr[0.363,0.631], df[0.700,0.114], g[2.129,0.081]
1/1 [=====] - 0s 68ms/step
>1181, dr[0.893,0.743], df[0.498,0.191], g[2.159,0.169]
1/1 [=====] - 0s 74ms/step
>1182, dr[0.473,0.547], df[0.394,0.167], g[1.924,0.141]
1/1 [=====] - 0s 69ms/step
>1183, dr[0.383,1.183], df[0.618,0.051], g[1.660,0.104]
1/1 [=====] - 0s 76ms/step
>1184, dr[0.465,0.542], df[0.794,0.277], g[2.253,0.152]
1/1 [=====] - 0s 68ms/step
>1185, dr[0.637,0.854], df[0.530,0.187], g[1.801,0.171]
1/1 [=====] - 0s 81ms/step
>1186, dr[0.700,0.690], df[0.473,0.108], g[1.437,0.218]
1/1 [=====] - 0s 67ms/step
>1187, dr[0.335,0.602], df[0.643,0.227], g[1.668,0.096]
1/1 [=====] - 0s 77ms/step
>1188, dr[0.467,0.869], df[0.605,0.251], g[1.883,0.131]
1/1 [=====] - 0s 74ms/step
>1189, dr[0.463,0.521], df[0.446,0.237], g[1.615,0.211]
1/1 [=====] - 0s 67ms/step
>1190, dr[0.527,0.318], df[0.705,0.087], g[2.258,0.247]
1/1 [=====] - 0s 70ms/step
>1191, dr[0.566,1.281], df[0.314,0.079], g[2.206,0.135]
1/1 [=====] - 0s 68ms/step
>1192, dr[0.960,0.374], df[0.809,0.152], g[1.262,0.132]
1/1 [=====] - 0s 72ms/step
>1193, dr[0.537,0.417], df[0.545,0.212], g[1.807,0.131]
1/1 [=====] - 0s 74ms/step
>1194, dr[0.394,1.026], df[0.432,0.049], g[1.887,0.108]
1/1 [=====] - 0s 71ms/step
>1195, dr[0.456,0.695], df[0.611,0.163], g[1.870,0.114]
1/1 [=====] - 0s 70ms/step
>1196, dr[0.774,0.286], df[0.685,0.320], g[1.656,0.151]
1/1 [=====] - 0s 76ms/step
>1197, dr[0.387,0.705], df[0.433,0.121], g[1.619,0.110]
1/1 [=====] - 0s 69ms/step
```

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>1198, dr[0.547,0.925], df[0.678,0.195], g[1.690,0.077]
1/1 [=====] - 0s 77ms/step
>1199, dr[0.533,1.106], df[0.706,0.197], g[2.351,0.067]
1/1 [=====] - 0s 67ms/step
>1200, dr[0.713,0.453], df[0.244,0.103], g[1.454,0.065]
1/1 [=====] - 0s 73ms/step
>1201, dr[0.508,1.295], df[0.891,0.101], g[1.871,0.125]
1/1 [=====] - 0s 67ms/step
>1202, dr[0.371,0.659], df[0.289,0.126], g[2.116,0.050]
1/1 [=====] - 0s 83ms/step
>1203, dr[0.719,0.864], df[0.558,0.119], g[1.705,0.126]
1/1 [=====] - 0s 68ms/step
>1204, dr[0.248,0.406], df[0.355,0.062], g[1.746,0.112]
1/1 [=====] - 0s 79ms/step
>1205, dr[0.721,0.626], df[0.480,0.171], g[1.931,0.139]
1/1 [=====] - 0s 66ms/step
>1206, dr[0.549,0.426], df[0.646,0.182], g[1.811,0.136]
1/1 [=====] - 0s 70ms/step
>1207, dr[0.372,0.545], df[0.630,0.055], g[2.308,0.267]
1/1 [=====] - 0s 78ms/step
>1208, dr[0.617,0.504], df[0.470,0.045], g[2.208,0.113]
1/1 [=====] - 0s 69ms/step
>1209, dr[0.418,0.639], df[0.373,0.227], g[2.609,0.105]
1/1 [=====] - 0s 73ms/step
>1210, dr[0.694,1.056], df[0.364,0.129], g[1.805,0.075]
1/1 [=====] - 0s 68ms/step
>1211, dr[0.437,0.456], df[0.614,0.143], g[1.611,0.150]
1/1 [=====] - 0s 73ms/step
>1212, dr[0.420,0.763], df[0.568,0.093], g[1.834,0.076]
1/1 [=====] - 0s 67ms/step
>1213, dr[0.384,0.748], df[0.334,0.101], g[2.299,0.089]
1/1 [=====] - 0s 75ms/step
>1214, dr[0.566,1.402], df[0.670,0.090], g[1.875,0.038]
1/1 [=====] - 0s 68ms/step
>1215, dr[0.684,1.035], df[0.781,0.309], g[1.857,0.172]
1/1 [=====] - 0s 76ms/step
>1216, dr[0.475,0.526], df[0.541,0.201], g[1.753,0.063]
1/1 [=====] - 0s 69ms/step
>1217, dr[0.307,0.605], df[0.581,0.191], g[1.982,0.073]
1/1 [=====] - 0s 73ms/step
>1218, dr[0.523,0.567], df[0.284,0.114], g[2.136,0.115]
1/1 [=====] - 0s 70ms/step
>1219, dr[0.741,0.749], df[0.795,0.038], g[1.836,0.061]
1/1 [=====] - 0s 80ms/step
>1220, dr[0.437,0.582], df[0.871,0.199], g[2.366,0.111]
1/1 [=====] - 0s 67ms/step
>1221, dr[0.491,0.690], df[0.258,0.197], g[2.312,0.132]
1/1 [=====] - 0s 76ms/step
>1222, dr[0.694,0.472], df[0.506,0.071], g[1.774,0.158]
1/1 [=====] - 0s 71ms/step
>1223, dr[0.463,0.642], df[0.903,0.144], g[1.874,0.058]
1/1 [=====] - 0s 84ms/step
>1224, dr[0.608,0.650], df[0.496,0.044], g[2.157,0.087]
1/1 [=====] - 0s 73ms/step
>1225, dr[0.937,0.853], df[0.353,0.098], g[1.990,0.130]
1/1 [=====] - 0s 69ms/step
>1226, dr[0.589,0.269], df[0.623,0.065], g[1.835,0.064]
1/1 [=====] - 0s 74ms/step
>1227, dr[0.309,0.558], df[0.504,0.394], g[1.811,0.108]
1/1 [=====] - 0s 71ms/step
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>1228, dr[0.553,0.452], df[0.427,0.051], g[2.052,0.059]
1/1 [=====] - 0s 74ms/step
>1229, dr[1.014,0.468], df[0.465,0.127], g[1.301,0.056]
1/1 [=====] - 0s 69ms/step
>1230, dr[0.261,0.311], df[0.725,0.170], g[1.599,0.108]
1/1 [=====] - 0s 74ms/step
>1231, dr[0.457,0.658], df[0.428,0.066], g[1.845,0.092]
1/1 [=====] - 0s 73ms/step
>1232, dr[0.558,1.330], df[0.641,0.053], g[1.528,0.109]
1/1 [=====] - 0s 70ms/step
>1233, dr[0.466,0.258], df[0.550,0.025], g[1.536,0.088]
1/1 [=====] - 0s 71ms/step
>1234, dr[0.409,0.271], df[0.562,0.027], g[1.700,0.110]
1/1 [=====] - 0s 69ms/step
>1235, dr[0.328,0.953], df[0.537,0.075], g[2.023,0.060]
1/1 [=====] - 0s 72ms/step
>1236, dr[0.570,0.690], df[0.501,0.077], g[1.857,0.231]
1/1 [=====] - 0s 70ms/step
>1237, dr[0.557,0.577], df[0.443,0.127], g[1.537,0.197]
1/1 [=====] - 0s 77ms/step
>1238, dr[0.370,0.989], df[0.645,0.110], g[2.120,0.076]
1/1 [=====] - 0s 75ms/step
>1239, dr[0.686,0.690], df[0.449,0.096], g[1.706,0.148]
1/1 [=====] - 0s 81ms/step
>1240, dr[0.538,0.396], df[0.612,0.065], g[2.111,0.144]
1/1 [=====] - 0s 70ms/step
>1241, dr[0.782,0.263], df[0.803,0.158], g[1.571,0.059]
1/1 [=====] - 0s 74ms/step
>1242, dr[0.431,0.700], df[0.639,0.060], g[1.730,0.247]
1/1 [=====] - 0s 69ms/step
>1243, dr[0.490,0.286], df[0.484,0.085], g[2.245,0.137]
1/1 [=====] - 0s 75ms/step
>1244, dr[0.593,0.754], df[0.400,0.100], g[1.700,0.042]
1/1 [=====] - 0s 73ms/step
>1245, dr[0.319,0.951], df[0.431,0.038], g[1.909,0.059]
1/1 [=====] - 0s 73ms/step
>1246, dr[0.747,0.950], df[0.556,0.086], g[2.052,0.112]
1/1 [=====] - 0s 69ms/step
>1247, dr[0.629,0.853], df[0.639,0.047], g[1.562,0.054]
1/1 [=====] - 0s 74ms/step
>1248, dr[0.615,0.868], df[0.393,0.132], g[1.617,0.077]
1/1 [=====] - 0s 79ms/step
>1249, dr[0.446,0.713], df[0.530,0.120], g[1.961,0.089]
1/1 [=====] - 0s 66ms/step
>1250, dr[0.521,1.576], df[0.636,0.273], g[1.603,0.130]
1/1 [=====] - 0s 83ms/step
>1251, dr[0.598,0.969], df[0.673,0.145], g[1.447,0.114]
1/1 [=====] - 0s 75ms/step
>1252, dr[0.472,0.541], df[0.618,0.030], g[1.967,0.091]
1/1 [=====] - 0s 76ms/step
>1253, dr[0.513,0.852], df[0.689,0.211], g[1.931,0.317]
1/1 [=====] - 0s 72ms/step
>1254, dr[0.575,0.886], df[0.362,0.138], g[1.964,0.110]
1/1 [=====] - 0s 74ms/step
>1255, dr[0.407,0.751], df[0.500,0.119], g[2.123,0.069]
1/1 [=====] - 0s 69ms/step
>1256, dr[0.505,0.637], df[0.328,0.154], g[2.137,0.082]
1/1 [=====] - 0s 69ms/step
>1257, dr[0.633,0.443], df[0.900,0.159], g[1.850,0.107]
1/1 [=====] - 0s 68ms/step
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>1258, dr[0.723,0.717], df[0.366,0.185], g[2.014,0.119]
1/1 [=====] - 0s 67ms/step
>1259, dr[0.263,0.894], df[0.509,0.156], g[2.122,0.240]
1/1 [=====] - 0s 68ms/step
>1260, dr[0.469,0.444], df[0.406,0.084], g[2.562,0.198]
1/1 [=====] - 0s 68ms/step
>1261, dr[0.579,0.866], df[0.560,0.216], g[1.966,0.189]
1/1 [=====] - 0s 68ms/step
>1262, dr[0.377,1.001], df[0.590,0.095], g[2.340,0.173]
1/1 [=====] - 0s 70ms/step
>1263, dr[0.655,0.290], df[0.284,0.205], g[1.902,0.166]
1/1 [=====] - 0s 76ms/step
>1264, dr[0.528,0.323], df[0.573,0.058], g[1.802,0.195]
1/1 [=====] - 0s 97ms/step
>1265, dr[0.544,0.381], df[0.458,0.092], g[1.876,0.129]
1/1 [=====] - 0s 88ms/step
>1266, dr[0.407,0.870], df[0.378,0.171], g[2.099,0.097]
1/1 [=====] - 0s 86ms/step
>1267, dr[0.836,0.526], df[0.536,0.067], g[1.905,0.101]
1/1 [=====] - 0s 98ms/step
>1268, dr[0.446,0.577], df[0.659,0.181], g[1.833,0.084]
1/1 [=====] - 0s 92ms/step
>1269, dr[0.316,0.383], df[0.434,0.065], g[1.991,0.087]
1/1 [=====] - 0s 90ms/step
>1270, dr[0.482,0.495], df[0.718,0.189], g[1.769,0.115]
1/1 [=====] - 0s 81ms/step
>1271, dr[0.522,0.931], df[0.437,0.097], g[2.100,0.075]
1/1 [=====] - 0s 91ms/step
>1272, dr[0.379,0.480], df[0.656,0.188], g[1.903,0.066]
1/1 [=====] - 0s 92ms/step
>1273, dr[0.151,0.489], df[0.360,0.208], g[2.203,0.095]
1/1 [=====] - 0s 86ms/step
>1274, dr[0.987,0.557], df[0.559,0.041], g[1.463,0.107]
1/1 [=====] - 0s 76ms/step
>1275, dr[0.419,0.713], df[0.577,0.152], g[1.635,0.102]
1/1 [=====] - 0s 67ms/step
>1276, dr[0.231,0.727], df[0.590,0.060], g[1.638,0.082]
1/1 [=====] - 0s 71ms/step
>1277, dr[0.605,0.449], df[0.614,0.167], g[2.170,0.182]
1/1 [=====] - 0s 68ms/step
>1278, dr[0.655,0.711], df[0.536,0.140], g[1.684,0.149]
1/1 [=====] - 0s 73ms/step
>1279, dr[0.752,0.623], df[0.618,0.286], g[1.801,0.067]
1/1 [=====] - 0s 70ms/step
>1280, dr[0.416,0.636], df[0.479,0.149], g[2.158,0.072]
1/1 [=====] - 0s 77ms/step
>1281, dr[0.673,0.498], df[0.439,0.036], g[1.471,0.167]
1/1 [=====] - 0s 67ms/step
>1282, dr[0.536,0.590], df[0.432,0.128], g[1.735,0.050]
1/1 [=====] - 0s 68ms/step
>1283, dr[0.368,0.625], df[0.875,0.192], g[2.368,0.058]
1/1 [=====] - 0s 67ms/step
>1284, dr[0.500,0.504], df[0.222,0.063], g[2.337,0.077]
1/1 [=====] - 0s 70ms/step
>1285, dr[0.909,0.726], df[0.501,0.085], g[1.919,0.086]
1/1 [=====] - 0s 71ms/step
>1286, dr[0.431,0.520], df[0.576,0.047], g[2.082,0.097]
1/1 [=====] - 0s 71ms/step
>1287, dr[0.376,0.634], df[0.343,0.139], g[1.953,0.226]
1/1 [=====] - 0s 77ms/step
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>1288, dr[0.584,0.552], df[0.834,0.123], g[2.305,0.089]
1/1 [=====] - 0s 67ms/step
>1289, dr[0.706,0.970], df[0.358,0.156], g[1.897,0.105]
1/1 [=====] - 0s 74ms/step
>1290, dr[0.423,0.877], df[0.575,0.041], g[1.876,0.208]
1/1 [=====] - 0s 69ms/step
>1291, dr[0.470,0.725], df[0.858,0.110], g[1.852,0.069]
1/1 [=====] - 0s 72ms/step
>1292, dr[0.454,1.053], df[0.356,0.124], g[1.982,0.203]
1/1 [=====] - 0s 67ms/step
>1293, dr[0.401,0.990], df[0.562,0.147], g[2.011,0.061]
1/1 [=====] - 0s 73ms/step
>1294, dr[0.788,0.395], df[0.624,0.179], g[1.875,0.140]
1/1 [=====] - 0s 68ms/step
>1295, dr[0.407,0.686], df[0.694,0.075], g[2.280,0.087]
1/1 [=====] - 0s 73ms/step
>1296, dr[0.734,0.395], df[0.507,0.043], g[2.111,0.152]
1/1 [=====] - 0s 69ms/step
>1297, dr[0.547,0.818], df[0.455,0.171], g[1.440,0.092]
1/1 [=====] - 0s 76ms/step
>1298, dr[0.513,0.666], df[0.482,0.180], g[1.612,0.051]
1/1 [=====] - 0s 76ms/step
>1299, dr[0.446,0.701], df[0.521,0.084], g[1.562,0.089]
1/1 [=====] - 0s 68ms/step
>1300, dr[0.423,0.674], df[0.609,0.131], g[1.870,0.067]
1/1 [=====] - 0s 67ms/step
>1301, dr[0.472,0.703], df[0.572,0.227], g[1.967,0.042]
1/1 [=====] - 0s 67ms/step
>1302, dr[0.626,0.280], df[0.642,0.132], g[1.796,0.048]
1/1 [=====] - 0s 68ms/step
>1303, dr[0.492,0.533], df[0.773,0.097], g[1.887,0.126]
1/1 [=====] - 0s 68ms/step
>1304, dr[0.640,0.850], df[0.579,0.044], g[1.730,0.087]
1/1 [=====] - 0s 71ms/step
>1305, dr[0.200,0.390], df[0.545,0.068], g[2.078,0.089]
1/1 [=====] - 0s 69ms/step
>1306, dr[0.697,0.789], df[0.598,0.056], g[2.109,0.108]
1/1 [=====] - 0s 73ms/step
>1307, dr[0.577,0.784], df[0.434,0.052], g[1.902,0.176]
1/1 [=====] - 0s 73ms/step
>1308, dr[0.593,0.662], df[0.416,0.175], g[1.623,0.072]
1/1 [=====] - 0s 75ms/step
>1309, dr[0.502,0.562], df[0.850,0.109], g[1.758,0.124]
1/1 [=====] - 0s 68ms/step
>1310, dr[0.393,0.439], df[0.585,0.105], g[1.633,0.150]
1/1 [=====] - 0s 73ms/step
>1311, dr[0.403,0.579], df[0.641,0.091], g[1.921,0.121]
1/1 [=====] - 0s 67ms/step
>1312, dr[0.753,0.621], df[0.224,0.048], g[1.992,0.119]
1/1 [=====] - 0s 73ms/step
>1313, dr[0.508,1.265], df[0.392,0.065], g[1.229,0.171]
1/1 [=====] - 0s 69ms/step
>1314, dr[0.419,0.661], df[0.669,0.048], g[1.780,0.108]
1/1 [=====] - 0s 76ms/step
>1315, dr[0.481,0.743], df[0.559,0.082], g[2.015,0.147]
1/1 [=====] - 0s 67ms/step
>1316, dr[0.683,0.660], df[0.377,0.109], g[2.110,0.154]
1/1 [=====] - 0s 75ms/step
>1317, dr[0.668,0.472], df[0.492,0.087], g[1.825,0.155]
1/1 [=====] - 0s 71ms/step
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>1318, dr[0.391,0.837], df[0.561,0.051], g[2.117,0.127]
1/1 [=====] - 0s 74ms/step
>1319, dr[0.441,0.739], df[0.434,0.209], g[1.775,0.103]
1/1 [=====] - 0s 69ms/step
>1320, dr[0.350,0.827], df[0.543,0.112], g[2.361,0.110]
1/1 [=====] - 0s 77ms/step
>1321, dr[0.579,0.843], df[0.284,0.128], g[2.066,0.245]
1/1 [=====] - 0s 69ms/step
>1322, dr[0.562,0.785], df[0.673,0.131], g[2.086,0.113]
1/1 [=====] - 0s 68ms/step
>1323, dr[0.789,0.708], df[0.540,0.100], g[2.274,0.150]
1/1 [=====] - 0s 69ms/step
>1324, dr[0.548,0.885], df[0.290,0.137], g[1.958,0.104]
1/1 [=====] - 0s 69ms/step
>1325, dr[0.419,0.305], df[0.635,0.058], g[1.759,0.076]
1/1 [=====] - 0s 73ms/step
>1326, dr[0.513,0.423], df[0.558,0.330], g[1.812,0.113]
1/1 [=====] - 0s 69ms/step
>1327, dr[0.564,0.883], df[0.422,0.223], g[1.888,0.202]
1/1 [=====] - 0s 74ms/step
>1328, dr[0.365,0.744], df[0.589,0.150], g[1.656,0.101]
1/1 [=====] - 0s 70ms/step
>1329, dr[0.351,0.620], df[0.238,0.040], g[1.781,0.074]
1/1 [=====] - 0s 72ms/step
>1330, dr[0.436,0.501], df[0.473,0.067], g[1.841,0.039]
1/1 [=====] - 0s 68ms/step
>1331, dr[0.380,0.841], df[0.384,0.074], g[2.045,0.087]
1/1 [=====] - 0s 76ms/step
>1332, dr[0.481,0.391], df[0.408,0.110], g[1.571,0.102]
1/1 [=====] - 0s 68ms/step
>1333, dr[0.591,0.518], df[0.664,0.076], g[1.479,0.183]
1/1 [=====] - 0s 75ms/step
>1334, dr[0.411,0.509], df[0.424,0.048], g[1.650,0.047]
1/1 [=====] - 0s 68ms/step
>1335, dr[0.490,0.756], df[0.586,0.040], g[1.843,0.091]
1/1 [=====] - 0s 74ms/step
>1336, dr[0.601,0.416], df[0.401,0.137], g[2.144,0.071]
1/1 [=====] - 0s 69ms/step
>1337, dr[0.811,0.657], df[0.540,0.104], g[1.359,0.070]
1/1 [=====] - 0s 75ms/step
>1338, dr[0.309,0.333], df[0.599,0.167], g[1.483,0.068]
1/1 [=====] - 0s 68ms/step
>1339, dr[0.354,0.905], df[0.497,0.046], g[2.366,0.130]
1/1 [=====] - 0s 68ms/step
>1340, dr[0.817,0.999], df[0.665,0.058], g[1.524,0.265]
1/1 [=====] - 0s 68ms/step
>1341, dr[0.535,0.719], df[0.637,0.070], g[1.888,0.048]
1/1 [=====] - 0s 69ms/step
>1342, dr[0.330,0.738], df[0.489,0.273], g[1.830,0.094]
1/1 [=====] - 0s 73ms/step
>1343, dr[0.513,0.642], df[0.227,0.234], g[1.501,0.118]
1/1 [=====] - 0s 71ms/step
>1344, dr[0.473,0.740], df[0.712,0.171], g[1.516,0.117]
1/1 [=====] - 0s 73ms/step
>1345, dr[0.541,0.978], df[0.430,0.159], g[1.666,0.115]
1/1 [=====] - 0s 68ms/step
>1346, dr[0.400,0.630], df[0.455,0.088], g[1.691,0.093]
1/1 [=====] - 0s 75ms/step
>1347, dr[0.440,0.415], df[0.661,0.063], g[1.714,0.118]
1/1 [=====] - 0s 66ms/step
```

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>1348, dr[0.808,0.879], df[0.627,0.087], g[1.350,0.088]
1/1 [=====] - 0s 72ms/step
>1349, dr[0.410,0.773], df[0.565,0.079], g[1.848,0.087]
1/1 [=====] - 0s 68ms/step
>1350, dr[0.419,0.388], df[0.633,0.073], g[2.101,0.178]
1/1 [=====] - 0s 77ms/step
>1351, dr[0.720,0.673], df[0.345,0.093], g[1.765,0.186]
1/1 [=====] - 0s 69ms/step
>1352, dr[0.895,1.058], df[0.771,0.208], g[1.716,0.058]
1/1 [=====] - 0s 74ms/step
>1353, dr[0.584,0.929], df[0.634,0.309], g[2.138,0.128]
1/1 [=====] - 0s 69ms/step
>1354, dr[0.460,0.543], df[0.294,0.039], g[2.003,0.077]
1/1 [=====] - 0s 72ms/step
>1355, dr[0.734,1.177], df[0.712,0.274], g[1.697,0.067]
1/1 [=====] - 0s 68ms/step
>1356, dr[0.497,0.545], df[0.487,0.201], g[1.626,0.153]
1/1 [=====] - 0s 70ms/step
>1357, dr[0.469,0.865], df[0.646,0.072], g[1.920,0.271]
1/1 [=====] - 0s 68ms/step
>1358, dr[0.620,0.394], df[0.402,0.195], g[1.505,0.341]
1/1 [=====] - 0s 70ms/step
>1359, dr[0.608,0.895], df[0.715,0.243], g[1.718,0.076]
1/1 [=====] - 0s 70ms/step
>1360, dr[0.564,0.852], df[0.503,0.113], g[1.508,0.143]
1/1 [=====] - 0s 67ms/step
>1361, dr[0.283,0.787], df[0.536,0.084], g[2.109,0.082]
1/1 [=====] - 0s 76ms/step
>1362, dr[0.573,0.658], df[0.499,0.112], g[1.708,0.165]
1/1 [=====] - 0s 68ms/step
>1363, dr[0.416,0.626], df[0.378,0.188], g[1.762,0.070]
1/1 [=====] - 0s 74ms/step
>1364, dr[0.582,0.818], df[0.657,0.130], g[1.368,0.076]
1/1 [=====] - 0s 71ms/step
>1365, dr[0.532,0.446], df[0.653,0.128], g[1.525,0.062]
1/1 [=====] - 0s 73ms/step
>1366, dr[0.247,0.760], df[0.565,0.069], g[1.759,0.152]
1/1 [=====] - 0s 70ms/step
>1367, dr[0.873,0.629], df[0.578,0.074], g[2.014,0.093]
1/1 [=====] - 0s 76ms/step
>1368, dr[0.507,0.611], df[0.791,0.118], g[2.001,0.201]
1/1 [=====] - 0s 68ms/step
>1369, dr[0.608,0.636], df[0.317,0.058], g[1.673,0.059]
1/1 [=====] - 0s 72ms/step
>1370, dr[0.528,0.517], df[0.515,0.047], g[1.739,0.126]
1/1 [=====] - 0s 70ms/step
>1371, dr[0.466,0.421], df[0.529,0.136], g[1.960,0.080]
1/1 [=====] - 0s 74ms/step
>1372, dr[0.373,0.779], df[0.536,0.099], g[2.042,0.157]
1/1 [=====] - 0s 67ms/step
>1373, dr[0.451,0.744], df[0.430,0.095], g[2.392,0.063]
1/1 [=====] - 0s 71ms/step
>1374, dr[0.815,0.915], df[0.344,0.089], g[1.387,0.054]
1/1 [=====] - 0s 69ms/step
>1375, dr[0.369,0.381], df[0.486,0.218], g[1.492,0.048]
1/1 [=====] - 0s 67ms/step
>1376, dr[0.418,0.298], df[0.631,0.027], g[1.873,0.049]
1/1 [=====] - 0s 83ms/step
>1377, dr[0.550,0.543], df[0.461,0.088], g[1.704,0.063]
1/1 [=====] - 0s 83ms/step
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>1378, dr[0.567,0.756], df[0.413,0.082], g[2.169,0.151]
1/1 [=====] - 0s 85ms/step
>1379, dr[0.630,0.679], df[0.584,0.152], g[1.561,0.052]
1/1 [=====] - 0s 84ms/step
>1380, dr[0.446,0.588], df[0.517,0.043], g[1.723,0.122]
1/1 [=====] - 0s 69ms/step
>1381, dr[0.504,0.660], df[0.578,0.242], g[2.211,0.022]
1/1 [=====] - 0s 69ms/step
>1382, dr[0.349,0.309], df[0.310,0.051], g[1.878,0.151]
1/1 [=====] - 0s 69ms/step
>1383, dr[0.490,0.989], df[0.544,0.054], g[2.034,0.087]
1/1 [=====] - 0s 72ms/step
>1384, dr[0.599,1.269], df[0.869,0.084], g[1.496,0.244]
1/1 [=====] - 0s 73ms/step
>1385, dr[0.316,0.670], df[0.562,0.153], g[2.064,0.113]
1/1 [=====] - 0s 73ms/step
>1386, dr[0.607,1.023], df[0.474,0.074], g[1.743,0.097]
1/1 [=====] - 0s 69ms/step
>1387, dr[0.471,0.525], df[0.485,0.102], g[1.738,0.170]
1/1 [=====] - 0s 76ms/step
>1388, dr[0.411,0.354], df[0.593,0.127], g[2.065,0.104]
1/1 [=====] - 0s 71ms/step
>1389, dr[0.487,0.552], df[0.354,0.240], g[1.796,0.192]
1/1 [=====] - 0s 76ms/step
>1390, dr[0.629,0.869], df[0.682,0.141], g[1.455,0.159]
1/1 [=====] - 0s 69ms/step
>1391, dr[0.526,0.610], df[0.628,0.150], g[1.439,0.122]
1/1 [=====] - 0s 74ms/step
>1392, dr[0.426,0.803], df[0.593,0.053], g[1.776,0.117]
1/1 [=====] - 0s 69ms/step
>1393, dr[0.776,0.926], df[0.488,0.198], g[1.925,0.099]
1/1 [=====] - 0s 77ms/step
>1394, dr[0.374,0.477], df[0.554,0.331], g[2.364,0.088]
1/1 [=====] - 0s 67ms/step
>1395, dr[0.606,0.598], df[0.454,0.108], g[1.925,0.124]
1/1 [=====] - 0s 72ms/step
>1396, dr[0.474,0.663], df[0.632,0.060], g[2.210,0.139]
1/1 [=====] - 0s 70ms/step
>1397, dr[0.670,0.507], df[0.492,0.157], g[1.950,0.131]
1/1 [=====] - 0s 76ms/step
>1398, dr[0.928,0.922], df[0.624,0.078], g[2.327,0.103]
1/1 [=====] - 0s 68ms/step
>1399, dr[0.671,0.564], df[0.500,0.198], g[1.899,0.164]
1/1 [=====] - 0s 76ms/step
>1400, dr[0.627,0.851], df[0.535,0.032], g[1.849,0.161]
1/1 [=====] - 0s 70ms/step
>1401, dr[0.358,0.727], df[0.688,0.119], g[1.996,0.073]
1/1 [=====] - 0s 68ms/step
>1402, dr[0.545,0.340], df[0.275,0.056], g[1.782,0.118]
1/1 [=====] - 0s 73ms/step
>1403, dr[0.551,0.628], df[0.556,0.062], g[1.777,0.133]
1/1 [=====] - 0s 68ms/step
>1404, dr[0.401,0.673], df[0.701,0.075], g[2.063,0.151]
1/1 [=====] - 0s 74ms/step
>1405, dr[0.272,0.502], df[0.227,0.037], g[2.503,0.151]
1/1 [=====] - 0s 70ms/step
>1406, dr[0.752,0.913], df[0.521,0.049], g[1.920,0.095]
1/1 [=====] - 0s 74ms/step
>1407, dr[0.373,0.683], df[0.439,0.104], g[1.694,0.109]
1/1 [=====] - 0s 73ms/step
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>1408, dr[0.497,0.993], df[0.433,0.095], g[1.603,0.103]
1/1 [=====] - 0s 71ms/step
>1409, dr[0.439,0.593], df[0.420,0.099], g[1.692,0.115]
1/1 [=====] - 0s 68ms/step
>1410, dr[0.485,0.633], df[0.780,0.089], g[1.542,0.140]
1/1 [=====] - 0s 74ms/step
>1411, dr[0.385,0.877], df[0.569,0.214], g[1.695,0.125]
1/1 [=====] - 0s 71ms/step
>1412, dr[0.491,0.529], df[0.495,0.174], g[1.851,0.108]
1/1 [=====] - 0s 73ms/step
>1413, dr[0.670,0.500], df[0.511,0.201], g[1.455,0.145]
1/1 [=====] - 0s 69ms/step
>1414, dr[0.364,0.422], df[0.782,0.103], g[2.032,0.123]
1/1 [=====] - 0s 78ms/step
>1415, dr[0.291,0.766], df[0.284,0.073], g[1.788,0.058]
1/1 [=====] - 0s 69ms/step
>1416, dr[0.507,0.570], df[0.506,0.096], g[1.565,0.102]
1/1 [=====] - 0s 73ms/step
>1417, dr[0.611,0.566], df[0.551,0.116], g[1.605,0.102]
1/1 [=====] - 0s 68ms/step
>1418, dr[0.359,0.384], df[0.474,0.138], g[1.590,0.163]
1/1 [=====] - 0s 67ms/step
>1419, dr[0.554,0.490], df[0.555,0.069], g[1.875,0.074]
1/1 [=====] - 0s 73ms/step
>1420, dr[0.426,0.635], df[0.499,0.132], g[1.768,0.153]
1/1 [=====] - 0s 69ms/step
>1421, dr[0.557,0.271], df[0.399,0.298], g[1.518,0.150]
1/1 [=====] - 0s 75ms/step
>1422, dr[0.502,0.654], df[0.675,0.094], g[1.861,0.055]
1/1 [=====] - 0s 67ms/step
>1423, dr[0.552,0.597], df[0.543,0.126], g[2.482,0.077]
1/1 [=====] - 0s 73ms/step
>1424, dr[0.473,0.614], df[0.335,0.097], g[2.376,0.097]
1/1 [=====] - 0s 72ms/step
>1425, dr[0.648,1.441], df[0.369,0.048], g[1.849,0.094]
1/1 [=====] - 0s 74ms/step
>1426, dr[0.449,0.933], df[0.411,0.096], g[1.662,0.156]
1/1 [=====] - 0s 70ms/step
>1427, dr[0.430,0.579], df[0.507,0.139], g[1.865,0.066]
1/1 [=====] - 0s 74ms/step
>1428, dr[0.471,0.924], df[0.678,0.060], g[1.843,0.206]
1/1 [=====] - 0s 68ms/step
>1429, dr[0.411,0.850], df[0.203,0.181], g[1.715,0.119]
1/1 [=====] - 0s 80ms/step
>1430, dr[0.587,0.717], df[0.348,0.065], g[1.708,0.201]
1/1 [=====] - 0s 83ms/step
>1431, dr[0.308,0.654], df[0.353,0.187], g[1.488,0.132]
1/1 [=====] - 0s 90ms/step
>1432, dr[0.549,1.234], df[0.499,0.055], g[1.387,0.188]
1/1 [=====] - 0s 90ms/step
>1433, dr[0.282,0.644], df[0.507,0.098], g[1.971,0.099]
1/1 [=====] - 0s 93ms/step
>1434, dr[0.454,0.562], df[0.525,0.070], g[2.065,0.228]
1/1 [=====] - 0s 94ms/step
>1435, dr[0.933,0.725], df[0.668,0.130], g[1.680,0.127]
1/1 [=====] - 0s 86ms/step
>1436, dr[0.386,0.321], df[0.318,0.116], g[1.648,0.256]
1/1 [=====] - 0s 83ms/step
>1437, dr[0.403,0.607], df[0.739,0.141], g[1.347,0.153]
1/1 [=====] - 0s 91ms/step
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>1438, dr[0.430,0.630], df[0.574,0.383], g[1.492,0.121]
1/1 [=====] - 0s 83ms/step
>1439, dr[0.740,0.822], df[0.697,0.141], g[1.826,0.061]
1/1 [=====] - 0s 83ms/step
>1440, dr[0.435,0.546], df[0.380,0.073], g[1.667,0.057]
1/1 [=====] - 0s 93ms/step
>1441, dr[0.319,0.340], df[0.364,0.087], g[1.779,0.258]
1/1 [=====] - 0s 76ms/step
>1442, dr[0.420,1.154], df[0.452,0.087], g[1.930,0.076]
1/1 [=====] - 0s 75ms/step
>1443, dr[0.481,0.585], df[0.425,0.080], g[1.838,0.089]
1/1 [=====] - 0s 72ms/step
>1444, dr[0.268,0.881], df[0.495,0.121], g[2.030,0.073]
1/1 [=====] - 0s 66ms/step
>1445, dr[0.609,0.956], df[0.730,0.116], g[2.215,0.181]
1/1 [=====] - 0s 69ms/step
>1446, dr[0.486,1.101], df[0.626,0.118], g[2.366,0.118]
1/1 [=====] - 0s 72ms/step
>1447, dr[0.762,0.721], df[0.504,0.061], g[2.011,0.113]
1/1 [=====] - 0s 74ms/step
>1448, dr[0.606,1.149], df[0.500,0.161], g[2.236,0.137]
1/1 [=====] - 0s 68ms/step
>1449, dr[0.427,0.339], df[0.458,0.247], g[2.040,0.136]
1/1 [=====] - 0s 76ms/step
>1450, dr[0.578,0.708], df[0.714,0.158], g[1.749,0.107]
1/1 [=====] - 0s 68ms/step
>1451, dr[0.662,0.382], df[0.380,0.109], g[1.599,0.138]
1/1 [=====] - 0s 75ms/step
>1452, dr[0.390,0.653], df[0.455,0.151], g[1.957,0.152]
1/1 [=====] - 0s 68ms/step
>1453, dr[0.384,0.293], df[0.375,0.217], g[1.685,0.112]
1/1 [=====] - 0s 73ms/step
>1454, dr[0.653,0.448], df[0.542,0.129], g[1.656,0.119]
1/1 [=====] - 0s 69ms/step
>1455, dr[0.530,0.340], df[0.487,0.050], g[1.618,0.176]
1/1 [=====] - 0s 79ms/step
>1456, dr[0.379,0.301], df[0.730,0.270], g[2.006,0.101]
1/1 [=====] - 0s 71ms/step
>1457, dr[0.470,0.417], df[0.348,0.180], g[1.758,0.108]
1/1 [=====] - 0s 72ms/step
>1458, dr[0.380,1.062], df[0.479,0.370], g[1.995,0.050]
1/1 [=====] - 0s 70ms/step
>1459, dr[0.479,0.667], df[0.528,0.155], g[1.776,0.198]
1/1 [=====] - 0s 67ms/step
>1460, dr[0.552,0.367], df[0.534,0.175], g[1.783,0.126]
1/1 [=====] - 0s 69ms/step
>1461, dr[0.353,0.370], df[0.550,0.126], g[2.432,0.128]
1/1 [=====] - 0s 70ms/step
>1462, dr[0.596,0.380], df[0.416,0.158], g[2.043,0.086]
1/1 [=====] - 0s 73ms/step
>1463, dr[0.447,0.492], df[0.421,0.152], g[1.413,0.141]
1/1 [=====] - 0s 69ms/step
>1464, dr[0.362,0.655], df[0.330,0.097], g[1.769,0.142]
1/1 [=====] - 0s 75ms/step
>1465, dr[0.364,0.757], df[0.564,0.165], g[1.910,0.073]
1/1 [=====] - 0s 67ms/step
>1466, dr[0.560,0.609], df[0.549,0.427], g[1.717,0.120]
1/1 [=====] - 0s 75ms/step
>1467, dr[0.282,0.136], df[0.458,0.163], g[2.098,0.128]
1/1 [=====] - 0s 68ms/step
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>1468, dr[0.671,1.131], df[0.372,0.119], g[1.842,0.126]
1/1 [=====] - 0s 77ms/step
>1469, dr[0.501,0.505], df[0.366,0.140], g[1.432,0.101]
1/1 [=====] - 0s 69ms/step
>1470, dr[0.311,0.514], df[0.428,0.061], g[1.673,0.060]
1/1 [=====] - 0s 79ms/step
>1471, dr[0.614,0.709], df[0.469,0.051], g[1.701,0.150]
1/1 [=====] - 0s 68ms/step
>1472, dr[0.378,0.478], df[0.663,0.295], g[2.226,0.062]
1/1 [=====] - 0s 75ms/step
>1473, dr[0.431,0.532], df[0.318,0.064], g[2.457,0.087]
1/1 [=====] - 0s 68ms/step
>1474, dr[0.475,0.899], df[0.362,0.067], g[2.100,0.156]
1/1 [=====] - 0s 71ms/step
>1475, dr[0.400,0.386], df[0.339,0.248], g[1.718,0.133]
1/1 [=====] - 0s 67ms/step
>1476, dr[0.529,0.449], df[0.446,0.040], g[1.820,0.213]
1/1 [=====] - 0s 70ms/step
>1477, dr[0.530,0.475], df[0.375,0.101], g[1.685,0.094]
1/1 [=====] - 0s 73ms/step
>1478, dr[0.242,0.874], df[0.438,0.034], g[1.799,0.124]
1/1 [=====] - 0s 72ms/step
>1479, dr[0.688,0.591], df[0.790,0.176], g[2.013,0.077]
1/1 [=====] - 0s 71ms/step
>1480, dr[0.481,0.525], df[0.464,0.120], g[2.043,0.133]
1/1 [=====] - 0s 67ms/step
>1481, dr[0.455,0.988], df[0.334,0.105], g[1.831,0.080]
1/1 [=====] - 0s 71ms/step
>1482, dr[0.484,0.554], df[0.542,0.185], g[1.714,0.086]
1/1 [=====] - 0s 72ms/step
>1483, dr[0.463,0.334], df[0.367,0.137], g[1.741,0.209]
1/1 [=====] - 0s 77ms/step
>1484, dr[0.466,0.948], df[0.222,0.107], g[1.877,0.196]
1/1 [=====] - 0s 68ms/step
>1485, dr[0.599,0.816], df[0.687,0.137], g[1.436,0.306]
1/1 [=====] - 0s 83ms/step
>1486, dr[0.676,1.020], df[0.497,0.155], g[1.568,0.085]
1/1 [=====] - 0s 68ms/step
>1487, dr[0.329,0.559], df[0.518,0.135], g[1.776,0.200]
1/1 [=====] - 0s 73ms/step
>1488, dr[0.351,0.877], df[0.482,0.113], g[2.071,0.040]
1/1 [=====] - 0s 79ms/step
>1489, dr[0.692,0.981], df[0.580,0.071], g[1.797,0.053]
1/1 [=====] - 0s 82ms/step
>1490, dr[0.299,0.501], df[0.420,0.159], g[1.711,0.215]
1/1 [=====] - 0s 72ms/step
>1491, dr[0.405,0.750], df[0.448,0.090], g[1.571,0.154]
1/1 [=====] - 0s 74ms/step
>1492, dr[0.449,0.727], df[0.512,0.047], g[1.631,0.071]
1/1 [=====] - 0s 70ms/step
>1493, dr[0.364,0.529], df[0.662,0.144], g[2.530,0.074]
1/1 [=====] - 0s 71ms/step
>1494, dr[0.601,0.616], df[0.434,0.131], g[1.995,0.091]
1/1 [=====] - 0s 78ms/step
>1495, dr[0.543,0.649], df[0.413,0.132], g[1.814,0.201]
1/1 [=====] - 0s 69ms/step
>1496, dr[0.594,1.001], df[0.805,0.179], g[2.063,0.048]
1/1 [=====] - 0s 81ms/step
>1497, dr[0.360,0.640], df[0.444,0.189], g[1.756,0.129]
1/1 [=====] - 0s 70ms/step
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>1498, dr[0.726,0.849], df[0.265,0.253], g[1.507,0.197]
1/1 [=====] - 0s 77ms/step
>1499, dr[0.611,1.007], df[0.472,0.166], g[1.576,0.139]
1/1 [=====] - 0s 76ms/step
>1500, dr[0.253,0.961], df[0.724,0.334], g[1.799,0.101]
1/1 [=====] - 0s 73ms/step
>1501, dr[0.580,0.786], df[0.266,0.211], g[2.194,0.076]
1/1 [=====] - 0s 68ms/step
>1502, dr[0.477,0.450], df[0.521,0.070], g[2.073,0.053]
1/1 [=====] - 0s 76ms/step
>1503, dr[0.455,0.654], df[0.415,0.201], g[2.206,0.048]
1/1 [=====] - 0s 69ms/step
>1504, dr[0.443,0.720], df[0.452,0.100], g[1.874,0.113]
1/1 [=====] - 0s 73ms/step
>1505, dr[0.510,1.065], df[0.427,0.100], g[2.060,0.097]
1/1 [=====] - 0s 84ms/step
>1506, dr[0.498,0.684], df[0.740,0.148], g[1.715,0.094]
1/1 [=====] - 0s 72ms/step
>1507, dr[0.617,0.402], df[0.367,0.061], g[1.742,0.088]
1/1 [=====] - 0s 76ms/step
>1508, dr[0.352,0.309], df[0.311,0.157], g[1.757,0.086]
1/1 [=====] - 0s 72ms/step
>1509, dr[0.429,0.638], df[0.567,0.141], g[1.853,0.079]
1/1 [=====] - 0s 71ms/step
>1510, dr[0.459,0.234], df[0.409,0.019], g[1.717,0.177]
1/1 [=====] - 0s 75ms/step
>1511, dr[0.496,0.388], df[0.530,0.213], g[1.833,0.085]
1/1 [=====] - 0s 72ms/step
>1512, dr[0.555,0.645], df[0.765,0.039], g[1.719,0.207]
1/1 [=====] - 0s 75ms/step
>1513, dr[0.391,0.634], df[0.368,0.182], g[2.009,0.109]
1/1 [=====] - 0s 68ms/step
>1514, dr[0.703,0.684], df[0.498,0.273], g[1.745,0.116]
1/1 [=====] - 0s 78ms/step
>1515, dr[0.617,0.879], df[0.635,0.192], g[1.892,0.179]
1/1 [=====] - 0s 72ms/step
>1516, dr[0.398,1.023], df[0.576,0.023], g[1.790,0.131]
1/1 [=====] - 0s 80ms/step
>1517, dr[0.573,0.564], df[0.352,0.104], g[1.716,0.079]
1/1 [=====] - 0s 69ms/step
>1518, dr[0.309,0.553], df[0.353,0.063], g[1.802,0.055]
1/1 [=====] - 0s 76ms/step
>1519, dr[0.416,0.399], df[0.367,0.140], g[1.735,0.106]
1/1 [=====] - 0s 71ms/step
>1520, dr[0.518,0.781], df[0.936,0.296], g[1.911,0.115]
1/1 [=====] - 0s 70ms/step
>1521, dr[0.508,0.650], df[0.380,0.146], g[2.517,0.111]
1/1 [=====] - 0s 74ms/step
>1522, dr[0.440,0.695], df[0.446,0.054], g[2.133,0.103]
1/1 [=====] - 0s 70ms/step
>1523, dr[0.550,0.633], df[0.496,0.079], g[1.995,0.094]
1/1 [=====] - 0s 69ms/step
>1524, dr[0.651,0.442], df[0.457,0.093], g[1.501,0.127]
1/1 [=====] - 0s 71ms/step
>1525, dr[0.309,0.661], df[0.445,0.119], g[1.721,0.087]
1/1 [=====] - 0s 75ms/step
>1526, dr[0.520,0.564], df[0.491,0.071], g[1.834,0.085]
1/1 [=====] - 0s 70ms/step
>1527, dr[0.509,0.738], df[0.455,0.032], g[1.881,0.092]
1/1 [=====] - 0s 74ms/step
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>1528, dr[0.421,0.281], df[0.475,0.101], g[1.355,0.126]
1/1 [=====] - 0s 68ms/step
>1529, dr[0.376,1.077], df[0.388,0.057], g[1.770,0.181]
1/1 [=====] - 0s 79ms/step
>1530, dr[0.370,0.623], df[0.355,0.079], g[1.785,0.112]
1/1 [=====] - 0s 70ms/step
>1531, dr[0.187,1.113], df[0.435,0.088], g[1.911,0.150]
1/1 [=====] - 0s 77ms/step
>1532, dr[0.469,0.777], df[0.436,0.128], g[1.728,0.144]
1/1 [=====] - 0s 68ms/step
>1533, dr[0.762,1.440], df[0.605,0.176], g[1.753,0.148]
1/1 [=====] - 0s 73ms/step
>1534, dr[0.374,0.285], df[0.556,0.125], g[1.536,0.119]
1/1 [=====] - 0s 72ms/step
>1535, dr[0.307,0.774], df[0.640,0.051], g[1.776,0.104]
1/1 [=====] - 0s 69ms/step
>1536, dr[0.342,0.497], df[0.476,0.064], g[2.358,0.127]
1/1 [=====] - 0s 76ms/step
>1537, dr[0.375,0.780], df[0.333,0.078], g[2.257,0.061]
1/1 [=====] - 0s 74ms/step
>1538, dr[0.655,0.275], df[0.243,0.117], g[1.873,0.120]
1/1 [=====] - 0s 76ms/step
>1539, dr[0.494,1.473], df[0.505,0.092], g[1.620,0.165]
1/1 [=====] - 0s 76ms/step
>1540, dr[0.442,0.749], df[0.556,0.116], g[1.687,0.091]
1/1 [=====] - 0s 78ms/step
>1541, dr[0.308,0.913], df[0.409,0.080], g[1.998,0.081]
1/1 [=====] - 0s 68ms/step
>1542, dr[0.360,0.581], df[0.494,0.133], g[1.906,0.088]
1/1 [=====] - 0s 74ms/step
>1543, dr[0.658,0.453], df[0.516,0.068], g[1.616,0.338]
1/1 [=====] - 0s 72ms/step
>1544, dr[0.420,1.059], df[0.543,0.192], g[1.758,0.082]
1/1 [=====] - 0s 69ms/step
>1545, dr[0.574,0.631], df[0.416,0.088], g[1.569,0.162]
1/1 [=====] - 0s 72ms/step
>1546, dr[0.368,0.413], df[0.619,0.087], g[1.603,0.116]
1/1 [=====] - 0s 71ms/step
>1547, dr[0.318,0.615], df[0.660,0.112], g[2.289,0.046]
1/1 [=====] - 0s 67ms/step
>1548, dr[0.537,0.861], df[0.248,0.058], g[1.737,0.115]
1/1 [=====] - 0s 70ms/step
>1549, dr[0.521,0.632], df[0.407,0.059], g[1.935,0.094]
1/1 [=====] - 0s 70ms/step
>1550, dr[0.428,0.551], df[0.396,0.139], g[1.867,0.204]
1/1 [=====] - 0s 69ms/step
>1551, dr[0.468,0.540], df[0.679,0.115], g[1.567,0.048]
1/1 [=====] - 0s 78ms/step
>1552, dr[0.402,0.592], df[0.373,0.041], g[1.791,0.044]
1/1 [=====] - 0s 68ms/step
>1553, dr[0.556,0.682], df[0.706,0.214], g[1.839,0.106]
1/1 [=====] - 0s 74ms/step
>1554, dr[0.452,0.642], df[0.415,0.054], g[1.902,0.133]
1/1 [=====] - 0s 68ms/step
>1555, dr[0.395,0.609], df[0.400,0.145], g[1.837,0.092]
1/1 [=====] - 0s 76ms/step
>1556, dr[0.289,0.333], df[0.481,0.258], g[1.888,0.167]
1/1 [=====] - 0s 72ms/step
>1557, dr[0.466,0.789], df[0.219,0.146], g[2.187,0.060]
1/1 [=====] - 0s 73ms/step
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>1558, dr[0.566,0.622], df[0.537,0.041], g[1.551,0.095]
1/1 [=====] - 0s 68ms/step
>1559, dr[0.440,0.568], df[0.698,0.146], g[1.720,0.226]
1/1 [=====] - 0s 75ms/step
>1560, dr[0.340,0.471], df[0.407,0.206], g[1.979,0.136]
1/1 [=====] - 0s 74ms/step
>1561, dr[0.443,0.646], df[0.310,0.104], g[1.857,0.160]
1/1 [=====] - 0s 73ms/step
>1562, dr[0.573,0.754], df[0.362,0.059], g[1.153,0.151]
1/1 [=====] - 0s 71ms/step
>1563, dr[0.361,0.743], df[0.508,0.041], g[1.515,0.078]
1/1 [=====] - 0s 68ms/step
>1564, dr[0.242,1.120], df[0.524,0.047], g[2.053,0.062]
1/1 [=====] - 0s 76ms/step
>1565, dr[0.457,0.542], df[0.375,0.016], g[1.982,0.162]
1/1 [=====] - 0s 67ms/step
>1566, dr[0.421,0.315], df[0.421,0.118], g[1.979,0.136]
1/1 [=====] - 0s 74ms/step
>1567, dr[0.345,0.755], df[0.370,0.234], g[2.047,0.170]
1/1 [=====] - 0s 71ms/step
>1568, dr[0.404,0.816], df[0.419,0.107], g[2.073,0.068]
1/1 [=====] - 0s 76ms/step
>1569, dr[0.404,0.753], df[0.311,0.236], g[1.620,0.119]
1/1 [=====] - 0s 69ms/step
>1570, dr[0.572,1.046], df[0.384,0.364], g[1.719,0.136]
1/1 [=====] - 0s 76ms/step
>1571, dr[0.590,0.952], df[0.440,0.194], g[1.469,0.096]
1/1 [=====] - 0s 68ms/step
>1572, dr[0.281,0.770], df[0.724,0.083], g[2.295,0.085]
1/1 [=====] - 0s 74ms/step
>1573, dr[0.351,0.800], df[0.178,0.097], g[2.675,0.157]
1/1 [=====] - 0s 78ms/step
>1574, dr[0.667,0.678], df[0.705,0.077], g[2.196,0.158]
1/1 [=====] - 0s 73ms/step
>1575, dr[0.418,0.668], df[0.363,0.047], g[1.499,0.171]
1/1 [=====] - 0s 68ms/step
>1576, dr[0.431,1.010], df[0.426,0.294], g[1.793,0.076]
1/1 [=====] - 0s 69ms/step
>1577, dr[0.382,0.395], df[0.827,0.140], g[1.889,0.154]
1/1 [=====] - 0s 68ms/step
>1578, dr[0.426,0.733], df[0.481,0.053], g[2.526,0.112]
1/1 [=====] - 0s 68ms/step
>1579, dr[0.604,0.323], df[0.248,0.106], g[1.787,0.104]
1/1 [=====] - 0s 69ms/step
>1580, dr[0.279,0.636], df[0.416,0.090], g[1.939,0.195]
1/1 [=====] - 0s 70ms/step
>1581, dr[0.345,0.511], df[0.465,0.265], g[1.881,0.162]
1/1 [=====] - 0s 76ms/step
>1582, dr[0.277,0.608], df[0.378,0.077], g[2.007,0.159]
1/1 [=====] - 0s 74ms/step
>1583, dr[0.431,0.599], df[0.523,0.079], g[2.049,0.078]
1/1 [=====] - 0s 75ms/step
>1584, dr[0.390,0.974], df[0.518,0.081], g[2.109,0.101]
1/1 [=====] - 0s 77ms/step
>1585, dr[0.799,0.956], df[0.363,0.046], g[1.690,0.071]
1/1 [=====] - 0s 76ms/step
>1586, dr[0.403,0.767], df[0.523,0.298], g[1.483,0.151]
1/1 [=====] - 0s 73ms/step
>1587, dr[0.405,0.933], df[1.015,0.092], g[1.660,0.120]
1/1 [=====] - 0s 77ms/step
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>1588, dr[0.408,0.601], df[0.282,0.117], g[1.991,0.245]
1/1 [=====] - 0s 70ms/step
>1589, dr[0.625,0.624], df[0.628,0.066], g[1.770,0.074]
1/1 [=====] - 0s 76ms/step
>1590, dr[0.485,0.739], df[0.389,0.048], g[2.006,0.116]
1/1 [=====] - 0s 75ms/step
>1591, dr[0.433,0.538], df[0.533,0.117], g[1.727,0.129]
1/1 [=====] - 0s 71ms/step
>1592, dr[0.398,0.600], df[0.478,0.143], g[2.071,0.143]
1/1 [=====] - 0s 74ms/step
>1593, dr[0.414,1.073], df[0.334,0.114], g[2.044,0.254]
1/1 [=====] - 0s 71ms/step
>1594, dr[0.452,0.413], df[0.314,0.043], g[1.982,0.165]
1/1 [=====] - 0s 74ms/step
>1595, dr[0.519,0.627], df[0.348,0.168], g[1.366,0.225]
1/1 [=====] - 0s 71ms/step
>1596, dr[0.492,0.601], df[0.482,0.099], g[1.678,0.128]
1/1 [=====] - 0s 76ms/step
>1597, dr[0.283,0.605], df[0.493,0.065], g[1.760,0.105]
1/1 [=====] - 0s 75ms/step
>1598, dr[0.509,0.544], df[0.390,0.074], g[1.745,0.153]
1/1 [=====] - 0s 71ms/step
>1599, dr[0.438,0.922], df[0.362,0.131], g[1.884,0.083]
1/1 [=====] - 0s 80ms/step
>1600, dr[0.401,0.502], df[0.518,0.086], g[2.309,0.127]
1/1 [=====] - 0s 76ms/step
>1601, dr[0.545,0.664], df[0.400,0.092], g[1.768,0.102]
1/1 [=====] - 0s 69ms/step
>1602, dr[0.638,0.839], df[0.614,0.196], g[2.074,0.079]
1/1 [=====] - 0s 72ms/step
>1603, dr[0.363,0.977], df[0.374,0.198], g[1.541,0.131]
1/1 [=====] - 0s 69ms/step
>1604, dr[0.564,0.551], df[0.579,0.219], g[1.631,0.075]
1/1 [=====] - 0s 71ms/step
>1605, dr[0.387,0.729], df[0.604,0.159], g[1.657,0.084]
1/1 [=====] - 0s 69ms/step
>1606, dr[0.566,0.392], df[0.372,0.050], g[2.082,0.088]
1/1 [=====] - 0s 71ms/step
>1607, dr[0.342,0.379], df[0.633,0.083], g[2.150,0.051]
1/1 [=====] - 0s 76ms/step
>1608, dr[0.457,0.838], df[0.287,0.032], g[1.993,0.072]
1/1 [=====] - 0s 70ms/step
>1609, dr[0.639,1.131], df[0.456,0.041], g[1.892,0.049]
1/1 [=====] - 0s 71ms/step
>1610, dr[0.354,0.676], df[0.460,0.126], g[1.565,0.186]
1/1 [=====] - 0s 68ms/step
>1611, dr[0.197,0.401], df[0.403,0.074], g[1.944,0.147]
1/1 [=====] - 0s 77ms/step
>1612, dr[0.509,0.896], df[0.523,0.075], g[1.625,0.119]
1/1 [=====] - 0s 68ms/step
>1613, dr[0.507,0.623], df[0.507,0.133], g[1.464,0.087]
1/1 [=====] - 0s 76ms/step
>1614, dr[0.350,0.300], df[0.395,0.078], g[1.569,0.072]
1/1 [=====] - 0s 72ms/step
>1615, dr[0.280,0.555], df[0.434,0.130], g[2.044,0.123]
1/1 [=====] - 0s 76ms/step
>1616, dr[0.638,1.479], df[0.388,0.148], g[2.267,0.203]
1/1 [=====] - 0s 68ms/step
>1617, dr[0.420,0.869], df[0.433,0.098], g[1.996,0.165]
1/1 [=====] - 0s 68ms/step
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>1618, dr[0.383,0.577], df[0.430,0.172], g[2.011,0.141]
1/1 [=====] - 0s 67ms/step
>1619, dr[0.657,0.720], df[0.489,0.108], g[1.599,0.053]
1/1 [=====] - 0s 74ms/step
>1620, dr[0.376,0.473], df[0.431,0.074], g[1.486,0.211]
1/1 [=====] - 0s 78ms/step
>1621, dr[0.487,0.654], df[0.529,0.086], g[1.600,0.055]
1/1 [=====] - 0s 71ms/step
>1622, dr[0.388,0.476], df[0.660,0.055], g[1.993,0.143]
1/1 [=====] - 0s 78ms/step
>1623, dr[0.580,0.703], df[0.331,0.077], g[2.263,0.077]
1/1 [=====] - 0s 70ms/step
>1624, dr[0.408,0.671], df[0.239,0.219], g[2.218,0.128]
1/1 [=====] - 0s 75ms/step
>1625, dr[0.440,0.541], df[0.475,0.098], g[1.695,0.097]
1/1 [=====] - 0s 71ms/step
>1626, dr[0.438,1.193], df[0.642,0.132], g[2.036,0.044]
1/1 [=====] - 0s 75ms/step
>1627, dr[0.476,0.623], df[0.493,0.071], g[1.864,0.090]
1/1 [=====] - 0s 69ms/step
>1628, dr[0.267,1.256], df[0.475,0.078], g[2.112,0.100]
1/1 [=====] - 0s 70ms/step
>1629, dr[0.406,0.373], df[0.366,0.061], g[1.745,0.155]
1/1 [=====] - 0s 69ms/step
>1630, dr[0.406,0.661], df[0.309,0.412], g[2.327,0.117]
1/1 [=====] - 0s 68ms/step
>1631, dr[0.476,0.380], df[0.447,0.072], g[1.770,0.122]
1/1 [=====] - 0s 67ms/step
>1632, dr[0.349,0.433], df[0.526,0.141], g[2.079,0.126]
1/1 [=====] - 0s 71ms/step
>1633, dr[0.481,0.514], df[0.238,0.069], g[1.705,0.098]
1/1 [=====] - 0s 71ms/step
>1634, dr[0.572,0.451], df[0.633,0.060], g[1.907,0.121]
1/1 [=====] - 0s 70ms/step
>1635, dr[0.562,0.729], df[0.393,0.165], g[1.848,0.155]
1/1 [=====] - 0s 71ms/step
>1636, dr[0.444,0.584], df[0.451,0.128], g[1.533,0.199]
1/1 [=====] - 0s 73ms/step
>1637, dr[0.335,1.604], df[0.551,0.228], g[1.918,0.131]
1/1 [=====] - 0s 73ms/step
>1638, dr[0.405,0.559], df[0.267,0.232], g[2.023,0.116]
1/1 [=====] - 0s 70ms/step
>1639, dr[0.645,0.638], df[0.573,0.309], g[1.693,0.152]
1/1 [=====] - 0s 73ms/step
>1640, dr[0.388,0.589], df[0.430,0.095], g[1.985,0.074]
1/1 [=====] - 0s 69ms/step
>1641, dr[0.503,0.963], df[0.221,0.046], g[1.808,0.084]
1/1 [=====] - 0s 77ms/step
>1642, dr[0.313,0.599], df[0.684,0.061], g[1.805,0.148]
1/1 [=====] - 0s 70ms/step
>1643, dr[0.565,0.819], df[0.410,0.078], g[1.751,0.131]
1/1 [=====] - 0s 72ms/step
>1644, dr[0.379,0.686], df[0.531,0.157], g[1.716,0.147]
1/1 [=====] - 0s 71ms/step
>1645, dr[0.313,0.596], df[0.282,0.109], g[1.766,0.060]
1/1 [=====] - 0s 72ms/step
>1646, dr[0.349,1.033], df[0.466,0.148], g[2.366,0.140]
1/1 [=====] - 0s 73ms/step
>1647, dr[0.319,0.519], df[0.267,0.112], g[1.834,0.170]
1/1 [=====] - 0s 84ms/step
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>1648, dr[0.374,0.763], df[0.375,0.110], g[1.586,0.139]
1/1 [=====] - 0s 90ms/step
>1649, dr[0.417,0.788], df[0.402,0.064], g[1.397,0.124]
1/1 [=====] - 0s 82ms/step
>1650, dr[0.373,0.574], df[0.665,0.122], g[1.778,0.126]
1/1 [=====] - 0s 90ms/step
>1651, dr[0.449,0.530], df[0.358,0.063], g[1.877,0.104]
1/1 [=====] - 0s 93ms/step
>1652, dr[0.348,0.517], df[0.403,0.054], g[1.891,0.069]
1/1 [=====] - 0s 92ms/step
>1653, dr[0.638,0.246], df[0.360,0.169], g[1.804,0.143]
1/1 [=====] - 0s 93ms/step
>1654, dr[0.594,0.469], df[0.498,0.082], g[1.781,0.056]
1/1 [=====] - 0s 85ms/step
>1655, dr[0.256,0.486], df[0.476,0.106], g[1.975,0.050]
1/1 [=====] - 0s 85ms/step
>1656, dr[0.319,0.736], df[0.332,0.035], g[2.054,0.091]
1/1 [=====] - 0s 90ms/step
>1657, dr[0.582,0.803], df[0.462,0.200], g[2.084,0.194]
1/1 [=====] - 0s 83ms/step
>1658, dr[0.466,0.568], df[0.261,0.068], g[1.668,0.193]
1/1 [=====] - 0s 98ms/step
>1659, dr[0.314,0.614], df[0.511,0.102], g[2.143,0.077]
1/1 [=====] - 0s 89ms/step
>1660, dr[0.441,0.636], df[0.409,0.061], g[2.234,0.139]
1/1 [=====] - 0s 99ms/step
>1661, dr[0.724,0.993], df[0.334,0.058], g[1.770,0.122]
1/1 [=====] - 0s 87ms/step
>1662, dr[0.288,0.847], df[0.467,0.078], g[1.911,0.062]
1/1 [=====] - 0s 78ms/step
>1663, dr[0.399,0.724], df[0.552,0.041], g[1.811,0.116]
1/1 [=====] - 0s 86ms/step
>1664, dr[0.348,0.500], df[0.423,0.057], g[1.471,0.247]
1/1 [=====] - 0s 79ms/step
>1665, dr[0.559,0.427], df[0.317,0.073], g[1.737,0.140]
1/1 [=====] - 0s 74ms/step
>1666, dr[0.356,0.583], df[0.345,0.030], g[1.621,0.072]
1/1 [=====] - 0s 68ms/step
>1667, dr[0.371,0.423], df[0.357,0.039], g[1.827,0.145]
1/1 [=====] - 0s 72ms/step
>1668, dr[0.338,0.668], df[0.693,0.103], g[1.600,0.172]
1/1 [=====] - 0s 69ms/step
>1669, dr[0.490,0.381], df[0.387,0.053], g[1.651,0.130]
1/1 [=====] - 0s 75ms/step
>1670, dr[0.212,0.612], df[0.641,0.133], g[2.287,0.093]
1/1 [=====] - 0s 71ms/step
>1671, dr[0.447,0.580], df[0.157,0.046], g[2.068,0.106]
1/1 [=====] - 0s 79ms/step
>1672, dr[0.493,0.770], df[0.476,0.293], g[1.657,0.118]
1/1 [=====] - 0s 68ms/step
>1673, dr[0.360,1.181], df[0.369,0.125], g[1.789,0.089]
1/1 [=====] - 0s 73ms/step
>1674, dr[0.271,0.593], df[0.294,0.191], g[1.630,0.171]
1/1 [=====] - 0s 77ms/step
>1675, dr[0.337,0.601], df[0.397,0.103], g[1.782,0.156]
1/1 [=====] - 0s 73ms/step
>1676, dr[0.277,0.608], df[0.485,0.126], g[2.326,0.060]
1/1 [=====] - 0s 70ms/step
>1677, dr[0.711,0.491], df[0.257,0.101], g[1.635,0.100]
1/1 [=====] - 0s 76ms/step
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>1678, dr[0.311,0.863], df[0.639,0.057], g[2.152,0.083]
1/1 [=====] - 0s 69ms/step
>1679, dr[0.464,0.787], df[0.647,0.102], g[2.097,0.125]
1/1 [=====] - 0s 74ms/step
>1680, dr[0.485,0.793], df[0.459,0.127], g[1.949,0.113]
1/1 [=====] - 0s 72ms/step
>1681, dr[0.704,0.698], df[0.488,0.091], g[1.603,0.065]
1/1 [=====] - 0s 69ms/step
>1682, dr[0.403,0.835], df[0.446,0.088], g[1.841,0.093]
1/1 [=====] - 0s 69ms/step
>1683, dr[0.281,0.777], df[0.405,0.054], g[2.053,0.161]
1/1 [=====] - 0s 71ms/step
>1684, dr[0.594,0.763], df[0.231,0.135], g[1.462,0.052]
1/1 [=====] - 0s 72ms/step
>1685, dr[0.254,0.533], df[0.686,0.086], g[1.714,0.087]
1/1 [=====] - 0s 68ms/step
>1686, dr[0.369,0.868], df[0.281,0.156], g[2.075,0.087]
1/1 [=====] - 0s 73ms/step
>1687, dr[0.477,0.704], df[0.265,0.079], g[1.604,0.169]
1/1 [=====] - 0s 67ms/step
>1688, dr[0.428,0.537], df[0.586,0.076], g[1.794,0.062]
1/1 [=====] - 0s 72ms/step
>1689, dr[0.498,0.678], df[0.449,0.114], g[2.011,0.093]
1/1 [=====] - 0s 71ms/step
>1690, dr[0.526,1.172], df[0.385,0.081], g[1.599,0.118]
1/1 [=====] - 0s 73ms/step
>1691, dr[0.196,0.660], df[0.442,0.156], g[1.988,0.105]
1/1 [=====] - 0s 68ms/step
>1692, dr[0.553,0.816], df[0.359,0.147], g[1.743,0.077]
1/1 [=====] - 0s 75ms/step
>1693, dr[0.422,0.751], df[0.667,0.191], g[1.568,0.237]
1/1 [=====] - 0s 68ms/step
>1694, dr[0.529,0.592], df[0.373,0.174], g[1.839,0.044]
1/1 [=====] - 0s 77ms/step
>1695, dr[0.464,0.260], df[0.426,0.095], g[1.840,0.146]
1/1 [=====] - 0s 73ms/step
>1696, dr[0.432,0.886], df[0.349,0.097], g[2.150,0.092]
1/1 [=====] - 0s 70ms/step
>1697, dr[0.420,0.920], df[0.494,0.122], g[2.099,0.134]
1/1 [=====] - 0s 69ms/step
>1698, dr[0.450,0.934], df[0.295,0.062], g[2.246,0.075]
1/1 [=====] - 0s 72ms/step
>1699, dr[0.301,0.652], df[0.470,0.288], g[2.000,0.088]
1/1 [=====] - 0s 72ms/step
>1700, dr[0.705,0.492], df[0.429,0.236], g[2.045,0.148]
1/1 [=====] - 0s 69ms/step
>1701, dr[0.235,0.744], df[0.571,0.136], g[1.785,0.115]
1/1 [=====] - 0s 73ms/step
>1702, dr[0.570,0.901], df[0.404,0.179], g[1.929,0.112]
1/1 [=====] - 0s 73ms/step
>1703, dr[0.470,0.516], df[0.512,0.208], g[2.023,0.054]
1/1 [=====] - 0s 77ms/step
>1704, dr[0.375,0.468], df[0.309,0.065], g[1.814,0.206]
1/1 [=====] - 0s 69ms/step
>1705, dr[0.402,0.457], df[0.506,0.058], g[1.766,0.089]
1/1 [=====] - 0s 72ms/step
>1706, dr[0.272,0.413], df[0.472,0.129], g[2.296,0.066]
1/1 [=====] - 0s 71ms/step
>1707, dr[0.410,0.933], df[0.423,0.087], g[2.090,0.029]
1/1 [=====] - 0s 75ms/step
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>1708, dr[0.619,0.508], df[0.327,0.084], g[1.835,0.108]
1/1 [=====] - 0s 86ms/step
>1709, dr[0.542,0.755], df[0.420,0.047], g[1.640,0.101]
1/1 [=====] - 0s 69ms/step
>1710, dr[0.331,0.511], df[0.616,0.252], g[2.080,0.056]
1/1 [=====] - 0s 68ms/step
>1711, dr[0.551,0.498], df[0.611,0.054], g[1.915,0.097]
1/1 [=====] - 0s 71ms/step
>1712, dr[0.584,0.283], df[0.270,0.147], g[1.568,0.143]
1/1 [=====] - 0s 69ms/step
>1713, dr[0.306,0.726], df[0.371,0.098], g[1.676,0.104]
1/1 [=====] - 0s 70ms/step
>1714, dr[0.367,0.781], df[0.339,0.201], g[1.713,0.168]
1/1 [=====] - 0s 75ms/step
>1715, dr[0.310,0.136], df[0.512,0.108], g[1.757,0.165]
1/1 [=====] - 0s 72ms/step
>1716, dr[0.297,0.998], df[0.321,0.036], g[1.775,0.062]
1/1 [=====] - 0s 77ms/step
>1717, dr[0.595,0.592], df[0.488,0.057], g[1.630,0.066]
1/1 [=====] - 0s 67ms/step
>1718, dr[0.494,0.592], df[0.739,0.280], g[1.937,0.118]
1/1 [=====] - 0s 78ms/step
>1719, dr[0.578,0.729], df[0.515,0.127], g[1.900,0.053]
1/1 [=====] - 0s 75ms/step
>1720, dr[0.347,1.228], df[0.354,0.219], g[1.799,0.147]
1/1 [=====] - 0s 74ms/step
>1721, dr[0.574,0.579], df[0.486,0.322], g[2.030,0.106]
1/1 [=====] - 0s 71ms/step
>1722, dr[0.325,0.513], df[0.361,0.146], g[1.901,0.142]
1/1 [=====] - 0s 81ms/step
>1723, dr[0.607,0.617], df[0.504,0.158], g[1.890,0.189]
1/1 [=====] - 0s 68ms/step
>1724, dr[0.337,0.463], df[0.506,0.037], g[2.468,0.069]
1/1 [=====] - 0s 69ms/step
>1725, dr[0.544,0.802], df[0.463,0.114], g[1.779,0.165]
1/1 [=====] - 0s 73ms/step
>1726, dr[0.309,0.474], df[0.296,0.024], g[1.936,0.083]
1/1 [=====] - 0s 71ms/step
>1727, dr[0.347,0.947], df[0.385,0.126], g[1.888,0.204]
1/1 [=====] - 0s 75ms/step
>1728, dr[0.445,0.657], df[0.478,0.283], g[2.128,0.065]
1/1 [=====] - 0s 69ms/step
>1729, dr[0.614,0.723], df[0.442,0.086], g[2.005,0.094]
1/1 [=====] - 0s 77ms/step
>1730, dr[0.554,0.413], df[0.460,0.051], g[1.808,0.128]
1/1 [=====] - 0s 76ms/step
>1731, dr[0.494,1.014], df[0.366,0.081], g[1.522,0.148]
1/1 [=====] - 0s 75ms/step
>1732, dr[0.314,1.070], df[0.432,0.184], g[1.709,0.268]
1/1 [=====] - 0s 70ms/step
>1733, dr[0.310,0.572], df[0.426,0.085], g[1.998,0.095]
1/1 [=====] - 0s 79ms/step
>1734, dr[0.303,0.762], df[0.430,0.350], g[2.165,0.168]
1/1 [=====] - 0s 68ms/step
>1735, dr[0.672,0.912], df[0.274,0.122], g[1.920,0.165]
1/1 [=====] - 0s 75ms/step
>1736, dr[0.623,0.329], df[0.351,0.140], g[1.504,0.241]
1/1 [=====] - 0s 68ms/step
>1737, dr[0.243,0.557], df[0.426,0.063], g[1.413,0.118]
1/1 [=====] - 0s 77ms/step
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>1738, dr[0.237,0.633], df[0.488,0.172], g[2.148,0.130]
1/1 [=====] - 0s 70ms/step
>1739, dr[0.483,0.836], df[0.326,0.023], g[2.299,0.072]
1/1 [=====] - 0s 71ms/step
>1740, dr[0.494,0.577], df[0.424,0.098], g[2.471,0.170]
1/1 [=====] - 0s 70ms/step
>1741, dr[0.698,0.306], df[0.581,0.130], g[1.676,0.207]
1/1 [=====] - 0s 70ms/step
>1742, dr[0.685,0.696], df[0.680,0.139], g[1.677,0.120]
1/1 [=====] - 0s 74ms/step
>1743, dr[0.409,0.379], df[0.564,0.094], g[1.898,0.116]
1/1 [=====] - 0s 69ms/step
>1744, dr[0.504,0.947], df[0.414,0.105], g[2.312,0.097]
1/1 [=====] - 0s 73ms/step
>1745, dr[0.446,0.440], df[0.489,0.141], g[2.082,0.092]
1/1 [=====] - 0s 72ms/step
>1746, dr[0.502,0.480], df[0.664,0.084], g[1.886,0.188]
1/1 [=====] - 0s 72ms/step
>1747, dr[0.285,0.452], df[0.437,0.096], g[2.183,0.267]
1/1 [=====] - 0s 73ms/step
>1748, dr[0.655,0.384], df[0.504,0.072], g[1.857,0.218]
1/1 [=====] - 0s 74ms/step
>1749, dr[0.473,0.520], df[0.442,0.102], g[2.070,0.062]
1/1 [=====] - 0s 77ms/step
>1750, dr[0.348,0.297], df[0.345,0.238], g[1.910,0.113]
1/1 [=====] - 0s 75ms/step
>1751, dr[0.293,0.496], df[0.399,0.137], g[1.819,0.137]
1/1 [=====] - 0s 69ms/step
>1752, dr[0.499,0.588], df[0.372,0.046], g[1.526,0.242]
1/1 [=====] - 0s 77ms/step
>1753, dr[0.498,0.398], df[0.523,0.320], g[1.766,0.177]
1/1 [=====] - 0s 75ms/step
>1754, dr[0.504,0.813], df[0.514,0.097], g[1.639,0.225]
1/1 [=====] - 0s 69ms/step
>1755, dr[0.701,0.766], df[0.784,0.088], g[1.531,0.134]
1/1 [=====] - 0s 71ms/step
>1756, dr[0.381,1.063], df[0.537,0.162], g[1.596,0.104]
1/1 [=====] - 0s 72ms/step
>1757, dr[0.655,0.591], df[0.509,0.082], g[2.158,0.108]
1/1 [=====] - 0s 75ms/step
>1758, dr[0.578,0.625], df[0.661,0.108], g[2.095,0.111]
1/1 [=====] - 0s 69ms/step
>1759, dr[0.678,0.529], df[0.557,0.181], g[2.036,0.101]
1/1 [=====] - 0s 74ms/step
>1760, dr[0.648,0.495], df[0.408,0.161], g[1.641,0.113]
1/1 [=====] - 0s 69ms/step
>1761, dr[0.373,0.662], df[0.442,0.099], g[1.735,0.083]
1/1 [=====] - 0s 75ms/step
>1762, dr[0.348,0.259], df[0.414,0.128], g[2.041,0.138]
1/1 [=====] - 0s 70ms/step
>1763, dr[0.371,0.700], df[0.516,0.158], g[2.320,0.087]
1/1 [=====] - 0s 77ms/step
>1764, dr[0.727,1.064], df[0.428,0.080], g[2.100,0.098]
1/1 [=====] - 0s 70ms/step
>1765, dr[0.358,0.646], df[0.488,0.062], g[1.794,0.135]
1/1 [=====] - 0s 77ms/step
>1766, dr[0.331,0.645], df[0.589,0.159], g[2.129,0.073]
1/1 [=====] - 0s 68ms/step
>1767, dr[0.546,0.987], df[0.344,0.179], g[1.779,0.165]
1/1 [=====] - 0s 76ms/step
```

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>1768, dr[0.368,0.783], df[0.541,0.203], g[2.337,0.060]
1/1 [=====] - 0s 79ms/step
>1769, dr[0.497,0.330], df[0.309,0.039], g[1.834,0.142]
1/1 [=====] - 0s 80ms/step
>1770, dr[0.573,0.394], df[0.464,0.115], g[1.899,0.238]
1/1 [=====] - 0s 83ms/step
>1771, dr[0.479,0.333], df[0.475,0.066], g[1.643,0.097]
1/1 [=====] - 0s 79ms/step
>1772, dr[0.396,0.694], df[0.381,0.051], g[1.457,0.230]
1/1 [=====] - 0s 83ms/step
>1773, dr[0.557,0.888], df[0.496,0.027], g[1.510,0.267]
1/1 [=====] - 0s 75ms/step
>1774, dr[0.313,0.450], df[0.564,0.120], g[1.841,0.070]
1/1 [=====] - 0s 82ms/step
>1775, dr[0.788,0.450], df[0.372,0.315], g[1.470,0.145]
1/1 [=====] - 0s 83ms/step
>1776, dr[0.397,0.556], df[0.693,0.087], g[1.731,0.106]
1/1 [=====] - 0s 78ms/step
>1777, dr[0.459,0.246], df[0.555,0.083], g[1.802,0.063]
1/1 [=====] - 0s 85ms/step
>1778, dr[0.421,0.756], df[0.602,0.165], g[2.056,0.094]
1/1 [=====] - 0s 76ms/step
>1779, dr[0.532,0.712], df[0.367,0.117], g[2.338,0.090]
1/1 [=====] - 0s 90ms/step
>1780, dr[0.502,1.215], df[0.419,0.047], g[1.424,0.130]
1/1 [=====] - 0s 83ms/step
>1781, dr[0.558,0.313], df[0.579,0.031], g[1.761,0.076]
1/1 [=====] - 0s 83ms/step
>1782, dr[0.482,0.580], df[0.583,0.163], g[1.942,0.096]
1/1 [=====] - 0s 84ms/step
>1783, dr[0.611,0.429], df[0.345,0.141], g[1.751,0.141]
1/1 [=====] - 0s 85ms/step
>1784, dr[0.265,1.040], df[0.520,0.109], g[1.835,0.182]
1/1 [=====] - 0s 99ms/step
>1785, dr[0.591,0.491], df[0.464,0.128], g[2.190,0.169]
1/1 [=====] - 0s 84ms/step
>1786, dr[0.536,0.668], df[0.586,0.143], g[1.781,0.111]
1/1 [=====] - 0s 75ms/step
>1787, dr[0.628,0.672], df[0.649,0.099], g[1.576,0.080]
1/1 [=====] - 0s 77ms/step
>1788, dr[0.526,0.312], df[0.286,0.105], g[1.600,0.229]
1/1 [=====] - 0s 75ms/step
>1789, dr[0.375,0.497], df[0.533,0.082], g[1.655,0.151]
1/1 [=====] - 0s 79ms/step
>1790, dr[0.304,0.781], df[0.585,0.068], g[2.302,0.105]
1/1 [=====] - 0s 78ms/step
>1791, dr[0.653,0.600], df[0.415,0.131], g[1.903,0.083]
1/1 [=====] - 0s 82ms/step
>1792, dr[0.418,0.661], df[0.447,0.074], g[1.934,0.182]
1/1 [=====] - 0s 82ms/step
>1793, dr[0.461,0.913], df[0.442,0.033], g[1.755,0.083]
1/1 [=====] - 0s 80ms/step
>1794, dr[0.267,0.542], df[0.199,0.043], g[1.353,0.093]
1/1 [=====] - 0s 84ms/step
>1795, dr[0.481,0.417], df[0.602,0.043], g[1.518,0.085]
1/1 [=====] - 0s 77ms/step
>1796, dr[0.202,0.333], df[0.498,0.043], g[2.173,0.129]
1/1 [=====] - 0s 81ms/step
>1797, dr[0.476,0.340], df[0.533,0.143], g[2.432,0.037]
1/1 [=====] - 0s 81ms/step
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>1798, dr[0.544,0.585], df[0.211,0.037], g[1.674,0.067]
1/1 [=====] - 0s 75ms/step
>1799, dr[0.273,0.207], df[0.472,0.079], g[1.656,0.145]
1/1 [=====] - 0s 82ms/step
>1800, dr[0.301,0.862], df[0.587,0.062], g[1.527,0.121]
1/1 [=====] - 0s 78ms/step
>1801, dr[0.529,0.794], df[0.199,0.071], g[1.158,0.085]
1/1 [=====] - 0s 82ms/step
>1802, dr[0.264,0.554], df[0.472,0.062], g[1.813,0.055]
1/1 [=====] - 0s 80ms/step
>1803, dr[0.522,0.948], df[0.461,0.035], g[2.275,0.141]
1/1 [=====] - 0s 78ms/step
>1804, dr[0.773,1.240], df[0.545,0.087], g[1.071,0.199]
1/1 [=====] - 0s 83ms/step
>1805, dr[0.208,0.508], df[0.656,0.165], g[1.420,0.123]
1/1 [=====] - 0s 71ms/step
>1806, dr[0.503,0.588], df[0.431,0.053], g[2.077,0.084]
1/1 [=====] - 0s 78ms/step
>1807, dr[0.378,0.637], df[0.452,0.048], g[1.806,0.079]
1/1 [=====] - 0s 75ms/step
>1808, dr[0.608,1.036], df[0.380,0.322], g[1.737,0.187]
1/1 [=====] - 0s 79ms/step
>1809, dr[0.514,0.318], df[0.405,0.108], g[1.291,0.212]
1/1 [=====] - 0s 72ms/step
>1810, dr[0.347,0.580], df[0.503,0.128], g[1.585,0.091]
1/1 [=====] - 0s 76ms/step
>1811, dr[0.394,0.950], df[0.590,0.105], g[1.741,0.206]
1/1 [=====] - 0s 72ms/step
>1812, dr[0.551,0.814], df[0.463,0.064], g[2.103,0.212]
1/1 [=====] - 0s 75ms/step
>1813, dr[0.393,0.640], df[0.231,0.044], g[2.059,0.143]
1/1 [=====] - 0s 77ms/step
>1814, dr[0.344,1.114], df[0.521,0.058], g[1.951,0.171]
1/1 [=====] - 0s 73ms/step
>1815, dr[0.235,1.037], df[0.433,0.182], g[1.787,0.063]
1/1 [=====] - 0s 79ms/step
>1816, dr[0.298,0.440], df[0.369,0.382], g[2.030,0.176]
1/1 [=====] - 0s 75ms/step
>1817, dr[0.349,0.792], df[0.355,0.045], g[2.387,0.155]
1/1 [=====] - 0s 85ms/step
>1818, dr[0.548,0.213], df[0.687,0.185], g[1.836,0.132]
1/1 [=====] - 0s 76ms/step
>1819, dr[0.295,0.446], df[0.382,0.192], g[2.070,0.322]
1/1 [=====] - 0s 75ms/step
>1820, dr[0.712,0.319], df[0.214,0.057], g[2.105,0.089]
1/1 [=====] - 0s 91ms/step
>1821, dr[0.407,0.942], df[0.849,0.074], g[1.700,0.138]
1/1 [=====] - 0s 76ms/step
>1822, dr[0.490,0.885], df[0.566,0.060], g[2.049,0.128]
1/1 [=====] - 0s 84ms/step
>1823, dr[0.551,0.278], df[0.365,0.078], g[2.011,0.101]
1/1 [=====] - 0s 97ms/step
>1824, dr[0.620,1.098], df[0.727,0.210], g[1.673,0.122]
1/1 [=====] - 0s 76ms/step
>1825, dr[0.385,0.775], df[0.759,0.087], g[1.782,0.191]
1/1 [=====] - 0s 78ms/step
>1826, dr[0.452,1.002], df[0.241,0.223], g[1.906,0.219]
1/1 [=====] - 0s 81ms/step
>1827, dr[0.403,0.434], df[0.483,0.162], g[2.109,0.135]
1/1 [=====] - 0s 81ms/step
```

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>1828, dr[0.440,0.689], df[0.355,0.093], g[1.924,0.190]
1/1 [=====] - 0s 76ms/step
>1829, dr[0.354,0.613], df[0.463,0.131], g[1.655,0.170]
1/1 [=====] - 0s 84ms/step
>1830, dr[0.557,0.417], df[0.602,0.109], g[2.058,0.214]
1/1 [=====] - 0s 73ms/step
>1831, dr[0.362,1.001], df[0.434,0.181], g[2.242,0.098]
1/1 [=====] - 0s 77ms/step
>1832, dr[0.640,0.850], df[0.584,0.075], g[2.212,0.124]
1/1 [=====] - 0s 76ms/step
>1833, dr[0.509,0.735], df[0.437,0.112], g[2.237,0.094]
1/1 [=====] - 0s 72ms/step
>1834, dr[0.560,0.713], df[0.674,0.143], g[1.992,0.061]
1/1 [=====] - 0s 78ms/step
>1835, dr[0.438,0.566], df[0.450,0.099], g[1.758,0.220]
1/1 [=====] - 0s 75ms/step
>1836, dr[0.490,1.071], df[0.323,0.074], g[1.463,0.242]
1/1 [=====] - 0s 79ms/step
>1837, dr[0.356,0.527], df[0.418,0.128], g[1.804,0.184]
1/1 [=====] - 0s 72ms/step
>1838, dr[0.319,0.966], df[0.519,0.188], g[1.895,0.185]
1/1 [=====] - 0s 71ms/step
>1839, dr[0.524,0.391], df[0.620,0.137], g[2.265,0.067]
1/1 [=====] - 0s 76ms/step
>1840, dr[0.414,0.525], df[0.261,0.124], g[2.152,0.182]
1/1 [=====] - 0s 74ms/step
>1841, dr[0.304,0.735], df[0.348,0.139], g[2.124,0.070]
1/1 [=====] - 0s 81ms/step
>1842, dr[0.432,0.726], df[0.370,0.061], g[1.899,0.196]
1/1 [=====] - 0s 81ms/step
>1843, dr[0.516,0.515], df[0.944,0.031], g[1.437,0.148]
1/1 [=====] - 0s 79ms/step
>1844, dr[0.358,0.537], df[0.426,0.146], g[2.081,0.195]
1/1 [=====] - 0s 75ms/step
>1845, dr[0.449,0.642], df[0.504,0.242], g[1.914,0.209]
1/1 [=====] - 0s 73ms/step
>1846, dr[0.490,0.439], df[0.278,0.093], g[2.109,0.082]
1/1 [=====] - 0s 73ms/step
>1847, dr[0.442,0.361], df[0.327,0.091], g[1.720,0.158]
1/1 [=====] - 0s 77ms/step
>1848, dr[0.457,0.507], df[0.420,0.096], g[1.445,0.081]
1/1 [=====] - 0s 77ms/step
>1849, dr[0.488,0.486], df[0.525,0.104], g[1.521,0.106]
1/1 [=====] - 0s 71ms/step
>1850, dr[0.343,0.780], df[0.663,0.211], g[2.011,0.056]
1/1 [=====] - 0s 81ms/step
>1851, dr[0.567,0.739], df[0.265,0.092], g[1.908,0.118]
1/1 [=====] - 0s 75ms/step
>1852, dr[0.408,1.049], df[0.390,0.126], g[1.486,0.104]
1/1 [=====] - 0s 75ms/step
>1853, dr[0.451,0.502], df[0.482,0.035], g[1.715,0.069]
1/1 [=====] - 0s 76ms/step
>1854, dr[0.521,0.504], df[0.684,0.203], g[1.627,0.094]
1/1 [=====] - 0s 71ms/step
>1855, dr[0.535,0.484], df[0.572,0.088], g[2.092,0.213]
1/1 [=====] - 0s 78ms/step
>1856, dr[0.525,0.667], df[0.465,0.099], g[2.123,0.054]
1/1 [=====] - 0s 72ms/step
>1857, dr[0.221,0.546], df[0.287,0.119], g[1.969,0.175]
1/1 [=====] - 0s 78ms/step
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>1858, dr[0.496,0.451], df[0.473,0.039], g[2.051,0.194]
1/1 [=====] - 0s 73ms/step
>1859, dr[0.484,0.706], df[0.620,0.086], g[2.010,0.149]
1/1 [=====] - 0s 78ms/step
>1860, dr[0.322,0.780], df[0.404,0.158], g[2.149,0.119]
1/1 [=====] - 0s 75ms/step
>1861, dr[0.472,0.817], df[0.358,0.152], g[1.887,0.102]
1/1 [=====] - 0s 77ms/step
>1862, dr[0.533,0.883], df[0.565,0.102], g[1.724,0.108]
1/1 [=====] - 0s 73ms/step
>1863, dr[0.334,0.668], df[0.432,0.117], g[2.092,0.167]
1/1 [=====] - 0s 73ms/step
>1864, dr[0.515,0.507], df[0.420,0.111], g[1.666,0.140]
1/1 [=====] - 0s 81ms/step
>1865, dr[0.460,0.279], df[0.824,0.090], g[2.343,0.089]
1/1 [=====] - 0s 72ms/step
>1866, dr[0.452,0.356], df[0.350,0.038], g[2.161,0.150]
1/1 [=====] - 0s 81ms/step
>1867, dr[1.068,0.562], df[0.472,0.068], g[1.809,0.087]
1/1 [=====] - 0s 76ms/step
>1868, dr[0.329,0.786], df[0.420,0.077], g[1.618,0.110]
1/1 [=====] - 0s 78ms/step
>1869, dr[0.314,0.699], df[0.451,0.385], g[1.622,0.110]
1/1 [=====] - 0s 85ms/step
>1870, dr[0.457,0.757], df[0.487,0.065], g[1.518,0.217]
1/1 [=====] - 0s 70ms/step
>1871, dr[0.540,0.647], df[0.924,0.070], g[1.726,0.394]
1/1 [=====] - 0s 69ms/step
>1872, dr[0.600,0.711], df[0.409,0.218], g[2.518,0.155]
1/1 [=====] - 0s 77ms/step
>1873, dr[0.509,0.989], df[0.370,0.094], g[2.065,0.090]
1/1 [=====] - 0s 78ms/step
>1874, dr[0.416,0.564], df[0.347,0.096], g[1.757,0.140]
4/4 [=====] - 0s 45ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_1874.png and model_1874.h5
1/1 [=====] - 0s 77ms/step
>1875, dr[0.420,0.453], df[0.484,0.091], g[1.942,0.094]
1/1 [=====] - 0s 77ms/step
>1876, dr[0.395,0.596], df[0.323,0.094], g[2.084,0.128]
1/1 [=====] - 0s 75ms/step
>1877, dr[0.527,0.866], df[0.750,0.082], g[1.868,0.079]
1/1 [=====] - 0s 80ms/step
>1878, dr[0.391,0.514], df[0.265,0.075], g[2.156,0.179]
1/1 [=====] - 0s 95ms/step
>1879, dr[0.444,0.921], df[0.545,0.226], g[1.744,0.214]
1/1 [=====] - 0s 105ms/step
>1880, dr[0.454,1.046], df[0.521,0.201], g[2.494,0.165]
1/1 [=====] - 0s 74ms/step
>1881, dr[0.734,0.527], df[0.518,0.051], g[1.756,0.055]
1/1 [=====] - 0s 76ms/step
>1882, dr[0.708,0.912], df[0.695,0.248], g[1.856,0.156]
1/1 [=====] - 0s 79ms/step
>1883, dr[0.922,0.648], df[0.609,0.051], g[1.158,0.088]
1/1 [=====] - 0s 73ms/step
>1884, dr[0.445,1.024], df[0.855,0.166], g[1.472,0.136]
1/1 [=====] - 0s 79ms/step
>1885, dr[0.326,0.520], df[0.543,0.070], g[1.915,0.188]
1/1 [=====] - 0s 81ms/step

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>1886, dr[0.516,0.809], df[0.306,0.257], g[1.677,0.087]
1/1 [=====] - 0s 72ms/step
>1887, dr[0.708,0.534], df[0.610,0.200], g[1.699,0.208]
1/1 [=====] - 0s 69ms/step
>1888, dr[0.277,0.652], df[0.472,0.178], g[1.745,0.128]
1/1 [=====] - 0s 75ms/step
>1889, dr[0.339,0.562], df[0.378,0.075], g[2.495,0.088]
1/1 [=====] - 0s 77ms/step
>1890, dr[0.712,0.327], df[0.355,0.107], g[2.143,0.070]
1/1 [=====] - 0s 75ms/step
>1891, dr[0.682,0.312], df[0.506,0.046], g[1.663,0.060]
1/1 [=====] - 0s 77ms/step
>1892, dr[0.544,0.752], df[0.746,0.081], g[1.860,0.105]
1/1 [=====] - 0s 70ms/step
>1893, dr[0.340,0.469], df[0.605,0.131], g[2.361,0.107]
1/1 [=====] - 0s 70ms/step
>1894, dr[0.586,0.594], df[0.264,0.056], g[1.595,0.180]
1/1 [=====] - 0s 81ms/step
>1895, dr[0.429,0.572], df[0.359,0.123], g[1.907,0.044]
1/1 [=====] - 0s 92ms/step
>1896, dr[0.173,0.684], df[0.375,0.098], g[1.736,0.209]
1/1 [=====] - 0s 96ms/step
>1897, dr[0.741,0.550], df[0.662,0.090], g[1.408,0.114]
1/1 [=====] - 0s 87ms/step
>1898, dr[0.571,0.994], df[0.859,0.080], g[1.866,0.089]
1/1 [=====] - 0s 92ms/step
>1899, dr[0.268,0.539], df[0.355,0.412], g[2.215,0.128]
1/1 [=====] - 0s 93ms/step
>1900, dr[0.743,0.397], df[0.325,0.118], g[1.608,0.092]
1/1 [=====] - 0s 88ms/step
>1901, dr[0.328,0.579], df[0.616,0.367], g[1.757,0.092]
1/1 [=====] - 0s 85ms/step
>1902, dr[0.476,0.325], df[0.393,0.145], g[2.045,0.047]
1/1 [=====] - 0s 91ms/step
>1903, dr[0.558,0.197], df[0.301,0.115], g[1.516,0.093]
1/1 [=====] - 0s 84ms/step
>1904, dr[0.351,0.614], df[0.868,0.101], g[1.908,0.075]
1/1 [=====] - 0s 85ms/step
>1905, dr[0.521,0.718], df[0.441,0.267], g[2.503,0.141]
1/1 [=====] - 0s 89ms/step
>1906, dr[0.569,0.772], df[0.399,0.178], g[2.004,0.104]
1/1 [=====] - 0s 87ms/step
>1907, dr[0.480,0.712], df[0.367,0.200], g[1.691,0.073]
1/1 [=====] - 0s 97ms/step
>1908, dr[0.274,0.470], df[0.525,0.190], g[1.762,0.077]
1/1 [=====] - 0s 95ms/step
>1909, dr[0.638,0.652], df[0.585,0.113], g[1.918,0.095]
1/1 [=====] - 0s 84ms/step
>1910, dr[0.757,0.946], df[0.621,0.143], g[1.644,0.119]
1/1 [=====] - 0s 92ms/step
>1911, dr[0.367,0.347], df[0.629,0.185], g[2.101,0.110]
1/1 [=====] - 0s 76ms/step
>1912, dr[0.452,0.386], df[0.375,0.123], g[2.284,0.139]
1/1 [=====] - 0s 70ms/step
>1913, dr[0.800,0.904], df[0.288,0.069], g[1.854,0.116]
1/1 [=====] - 0s 75ms/step
>1914, dr[0.317,0.176], df[0.545,0.220], g[1.620,0.114]
1/1 [=====] - 0s 71ms/step
>1915, dr[0.435,0.303], df[0.547,0.146], g[1.296,0.152]
1/1 [=====] - 0s 75ms/step
```

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>1916, dr[0.394,0.367], df[0.318,0.110], g[1.840,0.153]
1/1 [=====] - 0s 78ms/step
>1917, dr[0.459,0.433], df[0.639,0.164], g[1.702,0.053]
1/1 [=====] - 0s 81ms/step
>1918, dr[0.399,0.824], df[0.435,0.265], g[2.177,0.098]
1/1 [=====] - 0s 69ms/step
>1919, dr[0.362,0.518], df[0.409,0.124], g[2.178,0.141]
1/1 [=====] - 0s 76ms/step
>1920, dr[0.661,0.771], df[0.497,0.239], g[2.018,0.091]
1/1 [=====] - 0s 69ms/step
>1921, dr[0.383,0.574], df[0.544,0.162], g[2.091,0.073]
1/1 [=====] - 0s 72ms/step
>1922, dr[0.315,0.860], df[0.329,0.043], g[1.882,0.111]
1/1 [=====] - 0s 69ms/step
>1923, dr[0.578,1.124], df[0.511,0.053], g[1.526,0.146]
1/1 [=====] - 0s 76ms/step
>1924, dr[0.524,0.597], df[0.917,0.066], g[2.236,0.126]
1/1 [=====] - 0s 77ms/step
>1925, dr[0.925,0.570], df[0.308,0.194], g[1.795,0.153]
1/1 [=====] - 0s 74ms/step
>1926, dr[0.416,0.615], df[0.693,0.191], g[1.515,0.073]
1/1 [=====] - 0s 78ms/step
>1927, dr[0.278,0.700], df[0.281,0.101], g[1.438,0.102]
1/1 [=====] - 0s 72ms/step
>1928, dr[0.774,0.965], df[0.594,0.207], g[1.265,0.068]
1/1 [=====] - 0s 78ms/step
>1929, dr[0.369,0.285], df[0.663,0.128], g[1.875,0.125]
1/1 [=====] - 0s 70ms/step
>1930, dr[0.495,0.932], df[0.362,0.027], g[1.677,0.177]
1/1 [=====] - 0s 82ms/step
>1931, dr[0.663,1.128], df[0.757,0.343], g[1.783,0.089]
1/1 [=====] - 0s 87ms/step
>1932, dr[0.480,0.868], df[0.244,0.058], g[1.386,0.047]
1/1 [=====] - 0s 71ms/step
>1933, dr[0.350,0.512], df[0.915,0.308], g[1.961,0.114]
1/1 [=====] - 0s 85ms/step
>1934, dr[0.408,0.615], df[0.500,0.079], g[2.121,0.134]
1/1 [=====] - 0s 69ms/step
>1935, dr[0.559,0.464], df[0.501,0.092], g[2.239,0.100]
1/1 [=====] - 0s 80ms/step
>1936, dr[0.451,0.394], df[0.446,0.170], g[2.042,0.138]
1/1 [=====] - 0s 74ms/step
>1937, dr[0.587,0.294], df[0.457,0.073], g[1.609,0.123]
1/1 [=====] - 0s 70ms/step
>1938, dr[0.439,0.693], df[0.540,0.169], g[1.701,0.078]
1/1 [=====] - 0s 69ms/step
>1939, dr[0.376,0.980], df[0.663,0.291], g[2.030,0.101]
1/1 [=====] - 0s 71ms/step
>1940, dr[0.352,0.717], df[0.172,0.039], g[1.668,0.083]
1/1 [=====] - 0s 70ms/step
>1941, dr[0.532,0.359], df[0.373,0.174], g[1.407,0.198]
1/1 [=====] - 0s 79ms/step
>1942, dr[0.252,0.773], df[0.337,0.096], g[1.487,0.173]
1/1 [=====] - 0s 81ms/step
>1943, dr[0.345,1.119], df[0.583,0.161], g[1.846,0.089]
1/1 [=====] - 0s 75ms/step
>1944, dr[0.510,1.037], df[0.505,0.159], g[1.473,0.070]
1/1 [=====] - 0s 74ms/step
>1945, dr[0.443,0.974], df[0.686,0.099], g[1.709,0.122]
1/1 [=====] - 0s 69ms/step
```

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>1946, dr[0.706,0.546], df[0.892,0.096], g[1.916,0.097]
1/1 [=====] - 0s 80ms/step
>1947, dr[0.540,0.594], df[0.371,0.037], g[1.891,0.102]
1/1 [=====] - 0s 70ms/step
>1948, dr[0.595,0.715], df[0.754,0.066], g[1.661,0.091]
1/1 [=====] - 0s 75ms/step
>1949, dr[0.883,0.746], df[0.562,0.153], g[1.505,0.046]
1/1 [=====] - 0s 74ms/step
>1950, dr[0.530,0.566], df[0.657,0.176], g[1.581,0.143]
1/1 [=====] - 0s 79ms/step
>1951, dr[0.631,0.616], df[0.732,0.172], g[1.758,0.073]
1/1 [=====] - 0s 79ms/step
>1952, dr[0.592,0.637], df[0.355,0.090], g[1.502,0.147]
1/1 [=====] - 0s 75ms/step
>1953, dr[0.561,0.547], df[0.612,0.093], g[1.861,0.076]
1/1 [=====] - 0s 78ms/step
>1954, dr[0.347,0.345], df[0.539,0.083], g[1.657,0.127]
1/1 [=====] - 0s 72ms/step
>1955, dr[0.590,0.619], df[0.368,0.106], g[2.029,0.115]
1/1 [=====] - 0s 78ms/step
>1956, dr[0.633,0.755], df[0.450,0.100], g[1.591,0.222]
1/1 [=====] - 0s 73ms/step
>1957, dr[0.403,0.745], df[0.406,0.109], g[1.742,0.162]
1/1 [=====] - 0s 75ms/step
>1958, dr[0.307,0.376], df[0.435,0.176], g[1.676,0.066]
1/1 [=====] - 0s 77ms/step
>1959, dr[0.361,0.719], df[0.279,0.253], g[1.600,0.093]
1/1 [=====] - 0s 73ms/step
>1960, dr[0.681,0.285], df[0.678,0.185], g[1.314,0.117]
1/1 [=====] - 0s 76ms/step
>1961, dr[0.322,0.519], df[0.768,0.108], g[1.536,0.105]
1/1 [=====] - 0s 72ms/step
>1962, dr[0.622,0.649], df[0.812,0.355], g[2.037,0.145]
1/1 [=====] - 0s 84ms/step
>1963, dr[0.581,0.675], df[0.449,0.184], g[1.956,0.120]
1/1 [=====] - 0s 72ms/step
>1964, dr[0.570,0.518], df[0.438,0.079], g[1.468,0.189]
1/1 [=====] - 0s 75ms/step
>1965, dr[0.809,0.835], df[0.521,0.060], g[1.546,0.125]
1/1 [=====] - 0s 69ms/step
>1966, dr[0.518,0.820], df[0.699,0.099], g[1.425,0.191]
1/1 [=====] - 0s 73ms/step
>1967, dr[0.255,0.915], df[0.486,0.077], g[1.678,0.096]
1/1 [=====] - 0s 73ms/step
>1968, dr[0.656,0.912], df[0.488,0.064], g[1.883,0.113]
1/1 [=====] - 0s 73ms/step
>1969, dr[0.397,0.573], df[0.347,0.049], g[1.703,0.155]
1/1 [=====] - 0s 72ms/step
>1970, dr[0.715,0.955], df[0.567,0.222], g[1.507,0.101]
1/1 [=====] - 0s 70ms/step
>1971, dr[0.378,0.706], df[0.596,0.125], g[1.655,0.087]
1/1 [=====] - 0s 73ms/step
>1972, dr[0.509,0.469], df[0.327,0.043], g[1.647,0.126]
1/1 [=====] - 0s 71ms/step
>1973, dr[0.557,1.037], df[0.613,0.076], g[1.633,0.105]
1/1 [=====] - 0s 75ms/step
>1974, dr[0.317,0.348], df[0.305,0.082], g[1.174,0.139]
1/1 [=====] - 0s 70ms/step
>1975, dr[0.641,0.745], df[0.554,0.219], g[1.277,0.071]
1/1 [=====] - 0s 73ms/step
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>1976, dr[0.562,0.695], df[0.737,0.055], g[1.486,0.141]
1/1 [=====] - 0s 69ms/step
>1977, dr[0.418,0.504], df[0.809,0.103], g[1.935,0.124]
1/1 [=====] - 0s 74ms/step
>1978, dr[0.918,0.392], df[0.542,0.096], g[1.702,0.076]
1/1 [=====] - 0s 70ms/step
>1979, dr[0.408,0.572], df[0.577,0.095], g[1.623,0.087]
1/1 [=====] - 0s 78ms/step
>1980, dr[0.615,0.889], df[0.404,0.221], g[1.518,0.148]
1/1 [=====] - 0s 70ms/step
>1981, dr[0.592,0.514], df[0.777,0.160], g[1.322,0.165]
1/1 [=====] - 0s 70ms/step
>1982, dr[0.333,0.655], df[0.514,0.209], g[2.008,0.089]
1/1 [=====] - 0s 70ms/step
>1983, dr[0.700,0.511], df[0.417,0.087], g[1.804,0.215]
1/1 [=====] - 0s 72ms/step
>1984, dr[0.416,0.621], df[0.742,0.089], g[1.660,0.132]
1/1 [=====] - 0s 76ms/step
>1985, dr[0.709,0.783], df[0.398,0.182], g[1.713,0.117]
1/1 [=====] - 0s 69ms/step
>1986, dr[0.555,1.070], df[0.466,0.138], g[1.090,0.119]
1/1 [=====] - 0s 76ms/step
>1987, dr[0.407,0.776], df[0.504,0.286], g[1.373,0.088]
1/1 [=====] - 0s 70ms/step
>1988, dr[0.492,0.891], df[0.663,0.148], g[1.716,0.067]
1/1 [=====] - 0s 73ms/step
>1989, dr[0.363,0.771], df[0.366,0.090], g[1.910,0.036]
1/1 [=====] - 0s 68ms/step
>1990, dr[0.717,1.206], df[0.314,0.132], g[1.391,0.140]
1/1 [=====] - 0s 78ms/step
>1991, dr[0.438,0.408], df[0.645,0.097], g[1.079,0.221]
1/1 [=====] - 0s 71ms/step
>1992, dr[0.599,0.583], df[0.635,0.241], g[1.581,0.158]
1/1 [=====] - 0s 74ms/step
>1993, dr[0.693,0.381], df[0.651,0.126], g[1.432,0.149]
1/1 [=====] - 0s 68ms/step
>1994, dr[0.632,0.816], df[0.508,0.089], g[1.585,0.119]
1/1 [=====] - 0s 70ms/step
>1995, dr[0.573,1.299], df[0.491,0.124], g[1.243,0.187]
1/1 [=====] - 0s 70ms/step
>1996, dr[0.356,0.692], df[0.778,0.146], g[1.511,0.136]
1/1 [=====] - 0s 70ms/step
>1997, dr[0.661,0.656], df[0.617,0.183], g[1.629,0.131]
1/1 [=====] - 0s 74ms/step
>1998, dr[0.420,1.166], df[0.526,0.101], g[1.719,0.057]
1/1 [=====] - 0s 74ms/step
>1999, dr[0.553,0.779], df[0.358,0.150], g[1.764,0.088]
1/1 [=====] - 0s 75ms/step
>2000, dr[0.467,0.785], df[0.481,0.071], g[1.568,0.086]
1/1 [=====] - 0s 70ms/step
>2001, dr[0.733,0.260], df[0.839,0.052], g[1.593,0.097]
1/1 [=====] - 0s 74ms/step
>2002, dr[0.571,1.029], df[0.527,0.146], g[1.388,0.170]
1/1 [=====] - 0s 68ms/step
>2003, dr[0.458,0.906], df[0.494,0.402], g[1.843,0.109]
1/1 [=====] - 0s 78ms/step
>2004, dr[0.551,0.821], df[0.537,0.092], g[1.584,0.084]
1/1 [=====] - 0s 69ms/step
>2005, dr[0.456,0.500], df[0.490,0.138], g[1.954,0.087]
1/1 [=====] - 0s 76ms/step
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>2006, dr[0.606,0.869], df[0.553,0.112], g[1.596,0.075]
1/1 [=====] - 0s 68ms/step
>2007, dr[0.337,0.423], df[0.699,0.144], g[1.790,0.179]
1/1 [=====] - 0s 77ms/step
>2008, dr[0.508,0.929], df[0.309,0.067], g[1.971,0.097]
1/1 [=====] - 0s 76ms/step
>2009, dr[0.499,0.480], df[0.525,0.426], g[1.470,0.114]
1/1 [=====] - 0s 70ms/step
>2010, dr[0.366,0.626], df[0.394,0.186], g[1.752,0.069]
1/1 [=====] - 0s 79ms/step
>2011, dr[0.536,0.228], df[0.597,0.081], g[1.757,0.070]
1/1 [=====] - 0s 69ms/step
>2012, dr[0.637,0.613], df[0.425,0.085], g[1.819,0.166]
1/1 [=====] - 0s 73ms/step
>2013, dr[0.386,0.543], df[0.550,0.175], g[1.948,0.082]
1/1 [=====] - 0s 73ms/step
>2014, dr[0.413,0.655], df[0.360,0.069], g[1.574,0.188]
1/1 [=====] - 0s 76ms/step
>2015, dr[0.455,0.954], df[0.506,0.174], g[1.655,0.135]
1/1 [=====] - 0s 70ms/step
>2016, dr[0.483,0.620], df[0.450,0.077], g[1.592,0.163]
1/1 [=====] - 0s 68ms/step
>2017, dr[0.340,0.464], df[0.683,0.168], g[1.845,0.069]
1/1 [=====] - 0s 70ms/step
>2018, dr[0.435,0.471], df[0.209,0.051], g[1.556,0.159]
1/1 [=====] - 0s 74ms/step
>2019, dr[0.432,0.530], df[0.780,0.054], g[1.598,0.112]
1/1 [=====] - 0s 77ms/step
>2020, dr[0.551,0.714], df[0.376,0.087], g[2.066,0.120]
1/1 [=====] - 0s 69ms/step
>2021, dr[0.636,0.271], df[0.551,0.234], g[1.922,0.065]
1/1 [=====] - 0s 75ms/step
>2022, dr[0.468,1.176], df[0.604,0.258], g[1.871,0.095]
1/1 [=====] - 0s 69ms/step
>2023, dr[0.438,0.890], df[0.470,0.204], g[2.148,0.186]
1/1 [=====] - 0s 87ms/step
>2024, dr[0.569,1.185], df[0.512,0.197], g[1.887,0.163]
1/1 [=====] - 0s 70ms/step
>2025, dr[0.615,0.445], df[0.686,0.315], g[1.555,0.121]
1/1 [=====] - 0s 75ms/step
>2026, dr[0.371,0.497], df[0.561,0.085], g[1.939,0.111]
1/1 [=====] - 0s 81ms/step
>2027, dr[0.724,0.791], df[0.490,0.100], g[1.681,0.068]
1/1 [=====] - 0s 72ms/step
>2028, dr[0.459,0.699], df[0.572,0.173], g[1.997,0.068]
1/1 [=====] - 0s 72ms/step
>2029, dr[0.504,0.386], df[0.540,0.096], g[2.185,0.179]
1/1 [=====] - 0s 73ms/step
>2030, dr[0.701,0.552], df[0.273,0.114], g[1.594,0.123]
1/1 [=====] - 0s 68ms/step
>2031, dr[0.449,0.579], df[0.452,0.259], g[1.230,0.125]
1/1 [=====] - 0s 78ms/step
>2032, dr[0.575,0.395], df[0.402,0.062], g[1.193,0.087]
1/1 [=====] - 0s 70ms/step
>2033, dr[0.442,0.608], df[0.659,0.146], g[1.195,0.145]
1/1 [=====] - 0s 77ms/step
>2034, dr[0.436,0.893], df[0.581,0.050], g[1.618,0.130]
1/1 [=====] - 0s 77ms/step
>2035, dr[0.711,0.624], df[0.562,0.064], g[1.679,0.070]
1/1 [=====] - 0s 75ms/step
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>2036, dr[0.557,0.413], df[0.533,0.118], g[1.513,0.375]
1/1 [=====] - 0s 71ms/step
>2037, dr[0.452,0.729], df[0.655,0.168], g[1.961,0.058]
1/1 [=====] - 0s 82ms/step
>2038, dr[0.585,0.788], df[0.473,0.112], g[1.631,0.098]
1/1 [=====] - 0s 68ms/step
>2039, dr[0.564,0.707], df[0.642,0.055], g[1.585,0.085]
1/1 [=====] - 0s 76ms/step
>2040, dr[0.401,1.491], df[0.357,0.081], g[1.761,0.144]
1/1 [=====] - 0s 74ms/step
>2041, dr[0.429,0.514], df[0.578,0.166], g[1.745,0.109]
1/1 [=====] - 0s 72ms/step
>2042, dr[0.680,0.340], df[0.328,0.143], g[1.691,0.046]
1/1 [=====] - 0s 79ms/step
>2043, dr[0.680,0.768], df[0.595,0.228], g[1.163,0.133]
1/1 [=====] - 0s 74ms/step
>2044, dr[0.368,0.508], df[0.744,0.114], g[1.661,0.033]
1/1 [=====] - 0s 73ms/step
>2045, dr[0.611,0.617], df[0.246,0.059], g[1.319,0.140]
1/1 [=====] - 0s 72ms/step
>2046, dr[0.573,0.888], df[0.799,0.068], g[1.353,0.098]
1/1 [=====] - 0s 81ms/step
>2047, dr[0.467,0.557], df[0.473,0.068], g[1.198,0.161]
1/1 [=====] - 0s 72ms/step
>2048, dr[0.572,0.647], df[0.714,0.145], g[1.504,0.180]
1/1 [=====] - 0s 74ms/step
>2049, dr[0.601,0.570], df[0.560,0.075], g[1.475,0.059]
1/1 [=====] - 0s 72ms/step
>2050, dr[0.484,0.530], df[0.565,0.075], g[1.655,0.056]
1/1 [=====] - 0s 74ms/step
>2051, dr[0.389,0.118], df[0.322,0.150], g[1.447,0.103]
1/1 [=====] - 0s 82ms/step
>2052, dr[0.521,0.803], df[0.756,0.030], g[1.457,0.143]
1/1 [=====] - 0s 77ms/step
>2053, dr[0.562,0.890], df[0.387,0.025], g[1.312,0.086]
1/1 [=====] - 0s 76ms/step
>2054, dr[0.544,1.094], df[0.554,0.054], g[1.198,0.098]
1/1 [=====] - 0s 71ms/step
>2055, dr[0.531,0.536], df[0.456,0.073], g[1.304,0.147]
1/1 [=====] - 0s 81ms/step
>2056, dr[0.226,0.735], df[0.473,0.105], g[1.516,0.217]
1/1 [=====] - 0s 70ms/step
>2057, dr[0.719,0.717], df[0.593,0.224], g[1.770,0.119]
1/1 [=====] - 0s 73ms/step
>2058, dr[0.350,0.696], df[0.450,0.105], g[2.308,0.099]
1/1 [=====] - 0s 70ms/step
>2059, dr[0.623,0.700], df[0.509,0.046], g[1.945,0.074]
1/1 [=====] - 0s 72ms/step
>2060, dr[0.445,0.479], df[0.426,0.028], g[1.610,0.200]
1/1 [=====] - 0s 75ms/step
>2061, dr[0.630,0.913], df[0.616,0.136], g[1.794,0.198]
1/1 [=====] - 0s 72ms/step
>2062, dr[0.360,0.474], df[0.498,0.105], g[1.527,0.095]
1/1 [=====] - 0s 75ms/step
>2063, dr[0.620,0.872], df[0.492,0.054], g[1.616,0.132]
1/1 [=====] - 0s 70ms/step
>2064, dr[0.521,0.343], df[0.495,0.080], g[1.541,0.141]
1/1 [=====] - 0s 79ms/step
>2065, dr[0.446,0.228], df[0.268,0.261], g[1.791,0.130]
1/1 [=====] - 0s 75ms/step
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>2066, dr[0.399,0.520], df[0.532,0.223], g[1.561,0.133]
1/1 [=====] - 0s 77ms/step
>2067, dr[0.526,0.807], df[0.246,0.075], g[1.820,0.150]
1/1 [=====] - 0s 73ms/step
>2068, dr[0.331,0.560], df[0.475,0.074], g[1.500,0.094]
1/1 [=====] - 0s 74ms/step
>2069, dr[0.634,0.680], df[0.373,0.057], g[1.253,0.121]
1/1 [=====] - 0s 71ms/step
>2070, dr[0.464,0.556], df[0.690,0.131], g[1.172,0.091]
1/1 [=====] - 0s 71ms/step
>2071, dr[0.387,0.250], df[0.780,0.035], g[1.984,0.087]
1/1 [=====] - 0s 76ms/step
>2072, dr[0.476,0.590], df[0.391,0.079], g[1.702,0.088]
1/1 [=====] - 0s 74ms/step
>2073, dr[0.576,0.300], df[0.489,0.071], g[1.460,0.048]
1/1 [=====] - 0s 77ms/step
>2074, dr[0.529,0.529], df[0.476,0.100], g[1.447,0.153]
1/1 [=====] - 0s 71ms/step
>2075, dr[0.360,1.048], df[0.498,0.117], g[1.614,0.154]
1/1 [=====] - 0s 70ms/step
>2076, dr[0.560,0.943], df[0.583,0.115], g[1.340,0.129]
1/1 [=====] - 0s 69ms/step
>2077, dr[0.358,0.851], df[0.569,0.241], g[1.779,0.078]
1/1 [=====] - 0s 69ms/step
>2078, dr[0.470,0.765], df[0.469,0.058], g[1.554,0.054]
1/1 [=====] - 0s 79ms/step
>2079, dr[0.376,0.703], df[0.669,0.048], g[1.842,0.057]
1/1 [=====] - 0s 76ms/step
>2080, dr[0.558,0.557], df[0.478,0.125], g[1.829,0.091]
1/1 [=====] - 0s 77ms/step
>2081, dr[0.497,0.587], df[0.884,0.044], g[1.818,0.143]
1/1 [=====] - 0s 71ms/step
>2082, dr[0.693,0.873], df[0.469,0.077], g[1.728,0.114]
1/1 [=====] - 0s 76ms/step
>2083, dr[0.531,0.517], df[0.470,0.123], g[1.465,0.129]
1/1 [=====] - 0s 70ms/step
>2084, dr[0.460,0.832], df[0.672,0.072], g[1.966,0.126]
1/1 [=====] - 0s 73ms/step
>2085, dr[0.920,0.622], df[0.531,0.109], g[1.598,0.098]
1/1 [=====] - 0s 72ms/step
>2086, dr[0.532,0.530], df[0.361,0.272], g[1.695,0.098]
1/1 [=====] - 0s 72ms/step
>2087, dr[0.550,0.368], df[0.807,0.065], g[1.819,0.139]
1/1 [=====] - 0s 76ms/step
>2088, dr[0.906,0.967], df[0.359,0.046], g[1.622,0.095]
1/1 [=====] - 0s 70ms/step
>2089, dr[0.561,0.765], df[0.919,0.041], g[1.394,0.074]
1/1 [=====] - 0s 76ms/step
>2090, dr[0.426,0.942], df[0.294,0.104], g[1.769,0.055]
1/1 [=====] - 0s 73ms/step
>2091, dr[0.405,0.711], df[0.487,0.157], g[1.709,0.153]
1/1 [=====] - 0s 78ms/step
>2092, dr[0.495,0.390], df[0.549,0.297], g[1.416,0.144]
1/1 [=====] - 0s 77ms/step
>2093, dr[0.483,0.762], df[0.671,0.168], g[1.384,0.046]
1/1 [=====] - 0s 72ms/step
>2094, dr[0.428,0.829], df[0.606,0.041], g[1.578,0.158]
1/1 [=====] - 0s 72ms/step
>2095, dr[0.533,0.689], df[0.521,0.275], g[1.635,0.109]
1/1 [=====] - 0s 70ms/step
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>2096, dr[0.488,0.226], df[0.574,0.062], g[1.562,0.067]
1/1 [=====] - 0s 75ms/step
>2097, dr[0.615,0.556], df[0.358,0.050], g[1.266,0.057]
1/1 [=====] - 0s 69ms/step
>2098, dr[0.365,0.307], df[0.407,0.149], g[1.019,0.154]
1/1 [=====] - 0s 83ms/step
>2099, dr[0.339,0.626], df[0.661,0.273], g[1.516,0.185]
1/1 [=====] - 0s 70ms/step
>2100, dr[0.309,0.452], df[0.414,0.186], g[1.735,0.075]
1/1 [=====] - 0s 76ms/step
>2101, dr[0.474,0.466], df[0.414,0.093], g[1.534,0.113]
1/1 [=====] - 0s 72ms/step
>2102, dr[0.706,0.962], df[0.406,0.054], g[1.185,0.085]
1/1 [=====] - 0s 71ms/step
>2103, dr[0.361,0.948], df[0.433,0.047], g[1.246,0.065]
1/1 [=====] - 0s 74ms/step
>2104, dr[0.349,0.871], df[0.845,0.033], g[1.932,0.099]
1/1 [=====] - 0s 72ms/step
>2105, dr[0.388,0.810], df[0.470,0.172], g[2.320,0.104]
1/1 [=====] - 0s 84ms/step
>2106, dr[0.700,0.523], df[0.387,0.167], g[1.498,0.118]
1/1 [=====] - 0s 70ms/step
>2107, dr[0.664,0.581], df[0.389,0.281], g[1.497,0.041]
1/1 [=====] - 0s 76ms/step
>2108, dr[0.580,0.348], df[0.519,0.051], g[1.445,0.103]
1/1 [=====] - 0s 73ms/step
>2109, dr[0.570,0.373], df[0.580,0.046], g[1.277,0.117]
1/1 [=====] - 0s 81ms/step
>2110, dr[0.406,0.398], df[0.601,0.191], g[1.721,0.085]
1/1 [=====] - 0s 74ms/step
>2111, dr[0.409,0.496], df[0.397,0.025], g[1.694,0.067]
1/1 [=====] - 0s 76ms/step
>2112, dr[0.577,0.375], df[0.470,0.064], g[1.814,0.107]
1/1 [=====] - 0s 70ms/step
>2113, dr[0.559,0.391], df[0.444,0.047], g[1.280,0.087]
1/1 [=====] - 0s 74ms/step
>2114, dr[0.608,0.842], df[0.627,0.031], g[1.038,0.075]
1/1 [=====] - 0s 76ms/step
>2115, dr[0.372,0.666], df[0.366,0.027], g[1.158,0.125]
1/1 [=====] - 0s 69ms/step
>2116, dr[0.506,0.456], df[0.613,0.219], g[1.429,0.071]
1/1 [=====] - 0s 76ms/step
>2117, dr[0.577,0.835], df[0.548,0.112], g[1.382,0.083]
1/1 [=====] - 0s 81ms/step
>2118, dr[0.386,0.560], df[0.768,0.079], g[1.415,0.078]
1/1 [=====] - 0s 90ms/step
>2119, dr[0.525,0.509], df[0.320,0.075], g[1.840,0.065]
1/1 [=====] - 0s 77ms/step
>2120, dr[0.595,0.423], df[0.597,0.155], g[1.421,0.051]
1/1 [=====] - 0s 77ms/step
>2121, dr[0.526,1.040], df[0.238,0.119], g[1.334,0.118]
1/1 [=====] - 0s 81ms/step
>2122, dr[0.346,1.351], df[0.689,0.195], g[1.317,0.039]
1/1 [=====] - 0s 82ms/step
>2123, dr[0.415,0.443], df[0.602,0.043], g[1.471,0.064]
1/1 [=====] - 0s 80ms/step
>2124, dr[0.698,0.496], df[0.622,0.168], g[1.650,0.143]
1/1 [=====] - 0s 81ms/step
>2125, dr[0.462,0.406], df[0.406,0.123], g[1.465,0.115]
1/1 [=====] - 0s 74ms/step
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>2126, dr[0.490,0.461], df[0.343,0.046], g[1.269,0.106]
1/1 [=====] - 0s 74ms/step
>2127, dr[0.241,0.775], df[0.697,0.282], g[1.732,0.049]
1/1 [=====] - 0s 76ms/step
>2128, dr[0.405,0.558], df[0.325,0.094], g[1.485,0.064]
1/1 [=====] - 0s 81ms/step
>2129, dr[0.481,0.418], df[0.577,0.230], g[1.660,0.065]
1/1 [=====] - 0s 71ms/step
>2130, dr[0.696,0.391], df[0.277,0.066], g[1.331,0.085]
1/1 [=====] - 0s 88ms/step
>2131, dr[0.290,0.576], df[0.549,0.084], g[1.221,0.061]
1/1 [=====] - 0s 72ms/step
>2132, dr[0.409,0.673], df[0.368,0.081], g[1.403,0.080]
1/1 [=====] - 0s 78ms/step
>2133, dr[0.375,0.373], df[0.512,0.047], g[1.272,0.079]
1/1 [=====] - 0s 70ms/step
>2134, dr[0.393,0.541], df[0.582,0.059], g[1.403,0.041]
1/1 [=====] - 0s 87ms/step
>2135, dr[0.488,0.459], df[0.551,0.043], g[1.140,0.064]
1/1 [=====] - 0s 72ms/step
>2136, dr[0.442,0.285], df[0.430,0.028], g[1.333,0.107]
1/1 [=====] - 0s 68ms/step
>2137, dr[0.761,0.670], df[0.526,0.041], g[1.444,0.214]
1/1 [=====] - 0s 80ms/step
>2138, dr[0.465,0.464], df[0.582,0.055], g[1.484,0.092]
1/1 [=====] - 0s 71ms/step
>2139, dr[0.436,0.433], df[0.640,0.053], g[1.667,0.075]
1/1 [=====] - 0s 84ms/step
>2140, dr[0.542,1.024], df[0.550,0.046], g[1.432,0.082]
1/1 [=====] - 0s 70ms/step
>2141, dr[0.704,0.877], df[0.505,0.068], g[1.370,0.063]
1/1 [=====] - 0s 78ms/step
>2142, dr[0.689,0.964], df[0.341,0.033], g[1.061,0.120]
1/1 [=====] - 0s 70ms/step
>2143, dr[0.335,0.614], df[0.859,0.036], g[1.409,0.080]
1/1 [=====] - 0s 71ms/step
>2144, dr[0.365,0.548], df[0.398,0.069], g[1.505,0.051]
1/1 [=====] - 0s 72ms/step
>2145, dr[0.378,0.461], df[0.759,0.046], g[2.033,0.086]
1/1 [=====] - 0s 72ms/step
>2146, dr[0.602,0.550], df[0.503,0.039], g[1.644,0.135]
1/1 [=====] - 0s 72ms/step
>2147, dr[0.436,0.998], df[0.603,0.288], g[1.737,0.081]
1/1 [=====] - 0s 70ms/step
>2148, dr[0.526,0.543], df[0.438,0.089], g[1.711,0.067]
1/1 [=====] - 0s 79ms/step
>2149, dr[0.621,0.674], df[0.568,0.058], g[1.476,0.100]
1/1 [=====] - 0s 77ms/step
>2150, dr[0.250,0.517], df[0.335,0.134], g[1.368,0.140]
1/1 [=====] - 0s 77ms/step
>2151, dr[0.470,0.492], df[0.695,0.035], g[1.554,0.077]
1/1 [=====] - 0s 71ms/step
>2152, dr[0.487,0.537], df[0.497,0.020], g[1.775,0.119]
1/1 [=====] - 0s 74ms/step
>2153, dr[0.586,0.579], df[0.578,0.053], g[1.480,0.068]
1/1 [=====] - 0s 73ms/step
>2154, dr[0.511,0.462], df[0.560,0.081], g[1.900,0.085]
1/1 [=====] - 0s 73ms/step
>2155, dr[0.602,0.560], df[0.457,0.139], g[1.771,0.086]
1/1 [=====] - 0s 72ms/step
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>2156, dr[0.530,0.355], df[0.472,0.131], g[1.802,0.168]
1/1 [=====] - 0s 73ms/step
>2157, dr[0.558,0.330], df[0.356,0.028], g[1.792,0.119]
1/1 [=====] - 0s 81ms/step
>2158, dr[0.578,0.352], df[0.592,0.141], g[1.296,0.122]
1/1 [=====] - 0s 69ms/step
>2159, dr[0.255,0.649], df[0.644,0.144], g[1.557,0.066]
1/1 [=====] - 0s 78ms/step
>2160, dr[0.567,0.984], df[0.496,0.038], g[1.647,0.070]
1/1 [=====] - 0s 72ms/step
>2161, dr[0.695,0.483], df[0.432,0.102], g[1.428,0.111]
1/1 [=====] - 0s 91ms/step
>2162, dr[0.755,0.682], df[0.605,0.033], g[1.069,0.052]
1/1 [=====] - 0s 75ms/step
>2163, dr[0.190,0.329], df[0.766,0.095], g[1.349,0.303]
1/1 [=====] - 0s 77ms/step
>2164, dr[0.501,0.692], df[0.372,0.019], g[1.516,0.064]
1/1 [=====] - 0s 85ms/step
>2165, dr[0.337,0.983], df[0.306,0.038], g[1.581,0.060]
1/1 [=====] - 0s 83ms/step
>2166, dr[0.705,0.732], df[0.782,0.145], g[1.441,0.082]
1/1 [=====] - 0s 82ms/step
>2167, dr[0.383,0.407], df[0.536,0.128], g[1.192,0.089]
1/1 [=====] - 0s 76ms/step
>2168, dr[0.434,0.816], df[0.511,0.080], g[1.455,0.200]
1/1 [=====] - 0s 81ms/step
>2169, dr[0.436,0.588], df[0.619,0.135], g[1.835,0.099]
1/1 [=====] - 0s 81ms/step
>2170, dr[0.428,0.703], df[0.421,0.078], g[1.835,0.152]
1/1 [=====] - 0s 73ms/step
>2171, dr[0.525,0.653], df[0.262,0.128], g[1.494,0.169]
1/1 [=====] - 0s 80ms/step
>2172, dr[0.384,0.405], df[0.461,0.034], g[1.270,0.112]
1/1 [=====] - 0s 75ms/step
>2173, dr[0.328,0.518], df[0.458,0.069], g[1.410,0.224]
1/1 [=====] - 0s 75ms/step
>2174, dr[0.634,0.578], df[0.445,0.093], g[1.348,0.124]
1/1 [=====] - 0s 82ms/step
>2175, dr[0.445,0.496], df[0.438,0.113], g[1.212,0.121]
1/1 [=====] - 0s 83ms/step
>2176, dr[0.466,0.567], df[0.376,0.023], g[1.318,0.106]
1/1 [=====] - 0s 81ms/step
>2177, dr[0.537,0.868], df[0.487,0.041], g[1.095,0.143]
1/1 [=====] - 0s 73ms/step
>2178, dr[0.358,0.840], df[0.616,0.095], g[1.192,0.140]
1/1 [=====] - 0s 82ms/step
>2179, dr[0.564,0.457], df[0.490,0.056], g[1.435,0.153]
1/1 [=====] - 0s 78ms/step
>2180, dr[0.345,0.740], df[0.650,0.162], g[1.339,0.074]
1/1 [=====] - 0s 79ms/step
>2181, dr[0.409,0.799], df[0.773,0.120], g[1.793,0.063]
1/1 [=====] - 0s 89ms/step
>2182, dr[0.814,0.443], df[0.442,0.087], g[1.675,0.111]
1/1 [=====] - 0s 81ms/step
>2183, dr[0.714,0.452], df[0.751,0.219], g[1.493,0.122]
1/1 [=====] - 0s 85ms/step
>2184, dr[0.539,0.777], df[0.575,0.073], g[1.585,0.091]
1/1 [=====] - 0s 76ms/step
>2185, dr[0.489,0.594], df[0.431,0.129], g[1.552,0.096]
1/1 [=====] - 0s 80ms/step
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>2186, dr[0.311,0.407], df[0.403,0.040], g[1.503,0.265]
1/1 [=====] - 0s 80ms/step
>2187, dr[0.742,0.911], df[0.341,0.163], g[1.238,0.110]
1/1 [=====] - 0s 77ms/step
>2188, dr[0.403,0.629], df[0.608,0.059], g[1.070,0.121]
1/1 [=====] - 0s 89ms/step
>2189, dr[0.378,0.652], df[0.538,0.071], g[1.320,0.060]
1/1 [=====] - 0s 78ms/step
>2190, dr[0.524,0.412], df[0.484,0.050], g[1.151,0.147]
1/1 [=====] - 0s 81ms/step
>2191, dr[0.553,0.349], df[0.442,0.121], g[1.496,0.240]
1/1 [=====] - 0s 80ms/step
>2192, dr[0.460,0.682], df[0.422,0.045], g[1.473,0.209]
1/1 [=====] - 0s 77ms/step
>2193, dr[0.410,0.729], df[0.607,0.047], g[1.542,0.261]
1/1 [=====] - 0s 82ms/step
>2194, dr[0.437,0.568], df[0.386,0.056], g[1.647,0.123]
1/1 [=====] - 0s 77ms/step
>2195, dr[0.672,0.525], df[0.679,0.221], g[1.472,0.088]
1/1 [=====] - 0s 82ms/step
>2196, dr[0.551,0.721], df[0.589,0.053], g[1.418,0.147]
1/1 [=====] - 0s 77ms/step
>2197, dr[0.760,0.661], df[0.484,0.038], g[1.242,0.046]
1/1 [=====] - 0s 84ms/step
>2198, dr[0.479,1.219], df[0.615,0.076], g[1.451,0.142]
1/1 [=====] - 0s 78ms/step
>2199, dr[0.558,0.619], df[0.653,0.066], g[1.418,0.088]
1/1 [=====] - 0s 80ms/step
>2200, dr[0.462,0.401], df[0.546,0.023], g[1.530,0.297]
1/1 [=====] - 0s 83ms/step
>2201, dr[0.420,0.779], df[0.363,0.040], g[1.659,0.121]
1/1 [=====] - 0s 77ms/step
>2202, dr[0.562,0.595], df[0.426,0.044], g[1.569,0.047]
1/1 [=====] - 0s 81ms/step
>2203, dr[0.513,0.855], df[0.737,0.216], g[1.486,0.078]
1/1 [=====] - 0s 74ms/step
>2204, dr[0.412,0.154], df[0.481,0.084], g[1.477,0.082]
1/1 [=====] - 0s 78ms/step
>2205, dr[0.886,0.408], df[0.631,0.047], g[1.421,0.083]
1/1 [=====] - 0s 80ms/step
>2206, dr[0.622,0.719], df[0.533,0.074], g[1.444,0.111]
1/1 [=====] - 0s 87ms/step
>2207, dr[0.508,0.239], df[0.702,0.092], g[1.388,0.091]
1/1 [=====] - 0s 96ms/step
>2208, dr[0.457,0.683], df[0.869,0.207], g[1.641,0.078]
1/1 [=====] - 0s 77ms/step
>2209, dr[0.546,0.650], df[0.438,0.095], g[1.989,0.190]
1/1 [=====] - 0s 86ms/step
>2210, dr[0.502,0.379], df[0.443,0.146], g[1.569,0.175]
1/1 [=====] - 0s 87ms/step
>2211, dr[0.654,0.577], df[0.439,0.095], g[1.380,0.104]
1/1 [=====] - 0s 70ms/step
>2212, dr[0.398,0.477], df[0.610,0.121], g[1.549,0.096]
1/1 [=====] - 0s 79ms/step
>2213, dr[0.505,0.343], df[0.480,0.091], g[1.998,0.110]
1/1 [=====] - 0s 72ms/step
>2214, dr[0.708,0.732], df[0.616,0.089], g[1.612,0.079]
1/1 [=====] - 0s 81ms/step
>2215, dr[0.707,0.552], df[0.692,0.079], g[1.690,0.184]
1/1 [=====] - 0s 113ms/step
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>2216, dr[0.443,0.439], df[0.347,0.039], g[1.526,0.113]
1/1 [=====] - 0s 73ms/step
>2217, dr[0.489,0.851], df[0.547,0.222], g[1.382,0.237]
1/1 [=====] - 0s 77ms/step
>2218, dr[0.347,0.531], df[0.350,0.023], g[1.370,0.101]
1/1 [=====] - 0s 76ms/step
>2219, dr[0.471,0.449], df[0.597,0.039], g[1.684,0.102]
1/1 [=====] - 0s 79ms/step
>2220, dr[0.372,0.278], df[0.457,0.078], g[1.805,0.123]
1/1 [=====] - 0s 81ms/step
>2221, dr[0.618,0.290], df[0.494,0.031], g[1.534,0.062]
1/1 [=====] - 0s 78ms/step
>2222, dr[0.448,0.557], df[0.609,0.170], g[1.747,0.183]
1/1 [=====] - 0s 73ms/step
>2223, dr[0.639,0.308], df[0.323,0.169], g[1.584,0.080]
1/1 [=====] - 0s 73ms/step
>2224, dr[0.350,0.581], df[0.360,0.080], g[1.574,0.067]
1/1 [=====] - 0s 73ms/step
>2225, dr[0.443,0.892], df[0.373,0.090], g[1.156,0.090]
1/1 [=====] - 0s 73ms/step
>2226, dr[0.465,0.525], df[0.505,0.049], g[1.312,0.055]
1/1 [=====] - 0s 80ms/step
>2227, dr[0.438,0.290], df[0.599,0.134], g[1.627,0.083]
1/1 [=====] - 0s 89ms/step
>2228, dr[0.550,0.740], df[0.856,0.069], g[1.950,0.076]
1/1 [=====] - 0s 79ms/step
>2229, dr[0.821,0.301], df[0.436,0.101], g[2.140,0.185]
1/1 [=====] - 0s 69ms/step
>2230, dr[0.669,0.956], df[0.625,0.234], g[1.394,0.166]
1/1 [=====] - 0s 77ms/step
>2231, dr[0.574,0.473], df[0.525,0.040], g[1.522,0.090]
1/1 [=====] - 0s 70ms/step
>2232, dr[0.629,0.623], df[0.727,0.100], g[1.556,0.233]
1/1 [=====] - 0s 70ms/step
>2233, dr[0.686,1.025], df[0.659,0.127], g[1.271,0.173]
1/1 [=====] - 0s 70ms/step
>2234, dr[0.496,0.495], df[0.491,0.093], g[1.515,0.110]
1/1 [=====] - 0s 70ms/step
>2235, dr[0.311,0.504], df[0.471,0.136], g[1.755,0.141]
1/1 [=====] - 0s 82ms/step
>2236, dr[0.596,0.434], df[0.515,0.297], g[1.662,0.109]
1/1 [=====] - 0s 74ms/step
>2237, dr[0.833,0.459], df[0.666,0.083], g[1.330,0.083]
1/1 [=====] - 0s 81ms/step
>2238, dr[0.509,0.334], df[0.640,0.120], g[1.413,0.091]
1/1 [=====] - 0s 69ms/step
>2239, dr[0.465,0.767], df[0.608,0.105], g[1.605,0.105]
1/1 [=====] - 0s 82ms/step
>2240, dr[0.435,0.864], df[0.438,0.153], g[1.755,0.114]
1/1 [=====] - 0s 71ms/step
>2241, dr[0.810,0.643], df[0.426,0.047], g[1.352,0.106]
1/1 [=====] - 0s 74ms/step
>2242, dr[0.625,0.879], df[0.683,0.031], g[1.368,0.080]
1/1 [=====] - 0s 69ms/step
>2243, dr[0.406,0.737], df[0.437,0.173], g[1.724,0.089]
1/1 [=====] - 0s 70ms/step
>2244, dr[0.629,0.707], df[0.731,0.045], g[1.820,0.037]
1/1 [=====] - 0s 75ms/step
>2245, dr[0.372,0.752], df[0.413,0.092], g[1.634,0.093]
1/1 [=====] - 0s 71ms/step
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>2246, dr[0.595,0.484], df[0.610,0.254], g[1.730,0.092]
1/1 [=====] - 0s 75ms/step
>2247, dr[0.512,0.494], df[0.627,0.074], g[1.824,0.041]
1/1 [=====] - 0s 71ms/step
>2248, dr[0.721,0.691], df[0.480,0.074], g[1.394,0.054]
1/1 [=====] - 0s 78ms/step
>2249, dr[0.439,0.653], df[0.473,0.032], g[1.657,0.090]
1/1 [=====] - 0s 73ms/step
>2250, dr[0.357,1.681], df[0.661,0.077], g[1.550,0.063]
1/1 [=====] - 0s 77ms/step
>2251, dr[0.360,0.409], df[0.346,0.175], g[1.752,0.110]
1/1 [=====] - 0s 73ms/step
>2252, dr[0.792,0.715], df[0.582,0.094], g[1.549,0.078]
1/1 [=====] - 0s 74ms/step
>2253, dr[0.597,0.450], df[0.615,0.206], g[1.218,0.113]
1/1 [=====] - 0s 82ms/step
>2254, dr[0.393,0.604], df[0.465,0.125], g[1.363,0.132]
1/1 [=====] - 0s 70ms/step
>2255, dr[0.351,0.540], df[0.447,0.162], g[1.680,0.055]
1/1 [=====] - 0s 74ms/step
>2256, dr[0.564,0.356], df[0.658,0.079], g[1.654,0.072]
1/1 [=====] - 0s 69ms/step
>2257, dr[0.827,0.712], df[0.470,0.160], g[1.357,0.045]
1/1 [=====] - 0s 74ms/step
>2258, dr[0.564,0.282], df[0.701,0.085], g[1.300,0.078]
1/1 [=====] - 0s 71ms/step
>2259, dr[0.488,0.581], df[0.515,0.124], g[1.510,0.058]
1/1 [=====] - 0s 70ms/step
>2260, dr[0.575,0.529], df[0.485,0.064], g[1.338,0.261]
1/1 [=====] - 0s 72ms/step
>2261, dr[0.368,0.442], df[0.583,0.073], g[1.409,0.058]
1/1 [=====] - 0s 70ms/step
>2262, dr[0.550,0.554], df[0.469,0.027], g[1.509,0.153]
1/1 [=====] - 0s 78ms/step
>2263, dr[0.541,0.296], df[0.404,0.062], g[1.478,0.194]
1/1 [=====] - 0s 70ms/step
>2264, dr[0.725,1.045], df[0.586,0.050], g[1.479,0.032]
1/1 [=====] - 0s 77ms/step
>2265, dr[0.468,0.578], df[0.608,0.109], g[1.393,0.057]
1/1 [=====] - 0s 72ms/step
>2266, dr[0.756,0.898], df[0.708,0.019], g[1.192,0.181]
1/1 [=====] - 0s 85ms/step
>2267, dr[0.493,0.662], df[0.649,0.082], g[1.404,0.088]
1/1 [=====] - 0s 73ms/step
>2268, dr[0.519,0.474], df[0.553,0.061], g[1.596,0.095]
1/1 [=====] - 0s 72ms/step
>2269, dr[0.520,0.635], df[0.492,0.089], g[1.359,0.046]
1/1 [=====] - 0s 72ms/step
>2270, dr[0.678,0.902], df[0.724,0.237], g[1.413,0.123]
1/1 [=====] - 0s 72ms/step
>2271, dr[0.555,0.385], df[0.537,0.094], g[1.344,0.091]
1/1 [=====] - 0s 74ms/step
>2272, dr[0.519,1.049], df[0.403,0.034], g[1.399,0.141]
1/1 [=====] - 0s 76ms/step
>2273, dr[0.290,0.498], df[0.664,0.111], g[1.294,0.029]
1/1 [=====] - 0s 84ms/step
>2274, dr[0.517,0.319], df[0.430,0.066], g[1.769,0.036]
1/1 [=====] - 0s 70ms/step
>2275, dr[0.458,0.652], df[0.641,0.099], g[1.536,0.046]
1/1 [=====] - 0s 80ms/step
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>2276, dr[0.447,0.733], df[0.566,0.055], g[1.680,0.099]
1/1 [=====] - 0s 71ms/step
>2277, dr[0.712,0.858], df[0.574,0.138], g[1.507,0.068]
1/1 [=====] - 0s 81ms/step
>2278, dr[0.442,0.578], df[0.354,0.036], g[1.625,0.077]
1/1 [=====] - 0s 69ms/step
>2279, dr[0.363,0.634], df[0.452,0.059], g[1.533,0.191]
1/1 [=====] - 0s 71ms/step
>2280, dr[0.503,0.478], df[0.667,0.102], g[1.683,0.104]
1/1 [=====] - 0s 75ms/step
>2281, dr[0.505,0.729], df[0.378,0.170], g[1.272,0.079]
1/1 [=====] - 0s 75ms/step
>2282, dr[0.511,0.995], df[0.601,0.149], g[1.436,0.104]
1/1 [=====] - 0s 73ms/step
>2283, dr[0.378,0.611], df[0.429,0.030], g[1.403,0.077]
1/1 [=====] - 0s 74ms/step
>2284, dr[0.693,1.140], df[0.685,0.243], g[1.663,0.042]
1/1 [=====] - 0s 77ms/step
>2285, dr[0.563,0.499], df[0.581,0.126], g[1.398,0.052]
1/1 [=====] - 0s 75ms/step
>2286, dr[0.700,0.468], df[0.600,0.026], g[1.531,0.092]
1/1 [=====] - 0s 80ms/step
>2287, dr[0.435,0.433], df[0.610,0.090], g[1.858,0.041]
1/1 [=====] - 0s 70ms/step
>2288, dr[0.547,0.268], df[0.423,0.178], g[1.524,0.081]
1/1 [=====] - 0s 76ms/step
>2289, dr[0.755,0.603], df[0.500,0.094], g[1.258,0.076]
1/1 [=====] - 0s 70ms/step
>2290, dr[0.410,0.495], df[0.776,0.227], g[1.602,0.147]
1/1 [=====] - 0s 69ms/step
>2291, dr[0.434,0.488], df[0.497,0.115], g[1.475,0.161]
1/1 [=====] - 0s 74ms/step
>2292, dr[0.438,0.587], df[0.564,0.056], g[1.845,0.182]
1/1 [=====] - 0s 71ms/step
>2293, dr[0.624,0.692], df[0.455,0.264], g[1.540,0.140]
1/1 [=====] - 0s 75ms/step
>2294, dr[0.577,1.308], df[0.511,0.105], g[1.268,0.062]
1/1 [=====] - 0s 69ms/step
>2295, dr[0.447,0.748], df[0.572,0.082], g[1.446,0.106]
1/1 [=====] - 0s 78ms/step
>2296, dr[0.517,0.650], df[0.467,0.024], g[1.535,0.180]
1/1 [=====] - 0s 70ms/step
>2297, dr[0.334,0.443], df[0.386,0.058], g[1.907,0.139]
1/1 [=====] - 0s 75ms/step
>2298, dr[0.508,0.547], df[0.517,0.199], g[1.532,0.053]
1/1 [=====] - 0s 77ms/step
>2299, dr[0.451,0.353], df[0.401,0.102], g[1.801,0.083]
1/1 [=====] - 0s 75ms/step
>2300, dr[0.596,0.667], df[0.533,0.045], g[1.662,0.035]
1/1 [=====] - 0s 76ms/step
>2301, dr[0.427,0.995], df[0.395,0.073], g[1.351,0.102]
1/1 [=====] - 0s 71ms/step
>2302, dr[0.468,0.283], df[0.742,0.115], g[1.695,0.061]
1/1 [=====] - 0s 77ms/step
>2303, dr[0.727,0.624], df[0.479,0.121], g[1.422,0.116]
1/1 [=====] - 0s 70ms/step
>2304, dr[0.478,0.362], df[0.307,0.046], g[1.544,0.051]
1/1 [=====] - 0s 81ms/step
>2305, dr[0.651,0.870], df[0.493,0.037], g[1.300,0.182]
1/1 [=====] - 0s 70ms/step
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>2306, dr[0.359,0.311], df[0.847,0.120], g[1.138,0.147]
1/1 [=====] - 0s 78ms/step
>2307, dr[0.403,0.433], df[0.724,0.304], g[1.679,0.127]
1/1 [=====] - 0s 69ms/step
>2308, dr[0.624,0.307], df[0.487,0.093], g[1.723,0.049]
1/1 [=====] - 0s 80ms/step
>2309, dr[0.551,0.470], df[0.378,0.115], g[1.720,0.052]
1/1 [=====] - 0s 72ms/step
>2310, dr[0.432,0.769], df[0.498,0.054], g[1.461,0.095]
1/1 [=====] - 0s 74ms/step
>2311, dr[0.595,0.900], df[0.455,0.110], g[1.516,0.072]
1/1 [=====] - 0s 76ms/step
>2312, dr[0.744,0.963], df[0.820,0.178], g[1.283,0.086]
1/1 [=====] - 0s 72ms/step
>2313, dr[0.449,1.257], df[0.582,0.059], g[1.596,0.144]
1/1 [=====] - 0s 78ms/step
>2314, dr[0.395,0.463], df[0.315,0.123], g[1.445,0.160]
1/1 [=====] - 0s 72ms/step
>2315, dr[0.526,0.557], df[0.579,0.146], g[1.399,0.107]
1/1 [=====] - 0s 80ms/step
>2316, dr[0.237,0.584], df[0.719,0.079], g[1.696,0.067]
1/1 [=====] - 0s 76ms/step
>2317, dr[0.715,0.803], df[0.655,0.087], g[1.753,0.141]
1/1 [=====] - 0s 71ms/step
>2318, dr[0.681,0.698], df[0.578,0.068], g[1.385,0.123]
1/1 [=====] - 0s 72ms/step
>2319, dr[0.590,0.534], df[0.479,0.062], g[1.105,0.086]
1/1 [=====] - 0s 70ms/step
>2320, dr[0.519,0.594], df[0.746,0.210], g[1.488,0.076]
1/1 [=====] - 0s 72ms/step
>2321, dr[0.626,0.687], df[0.498,0.027], g[1.589,0.128]
1/1 [=====] - 0s 70ms/step
>2322, dr[0.504,0.641], df[0.397,0.047], g[1.366,0.088]
1/1 [=====] - 0s 83ms/step
>2323, dr[0.543,0.456], df[0.519,0.113], g[1.465,0.055]
1/1 [=====] - 0s 71ms/step
>2324, dr[0.455,0.481], df[0.396,0.051], g[1.664,0.174]
1/1 [=====] - 0s 77ms/step
>2325, dr[0.516,0.912], df[0.525,0.067], g[1.415,0.150]
1/1 [=====] - 0s 70ms/step
>2326, dr[0.409,0.882], df[0.497,0.150], g[1.703,0.143]
1/1 [=====] - 0s 75ms/step
>2327, dr[0.510,0.825], df[0.392,0.062], g[1.307,0.047]
1/1 [=====] - 0s 71ms/step
>2328, dr[0.386,0.478], df[0.426,0.065], g[1.651,0.077]
1/1 [=====] - 0s 76ms/step
>2329, dr[0.388,0.506], df[0.575,0.218], g[1.763,0.120]
1/1 [=====] - 0s 78ms/step
>2330, dr[0.672,0.308], df[0.347,0.069], g[1.512,0.095]
1/1 [=====] - 0s 76ms/step
>2331, dr[0.496,0.681], df[0.638,0.041], g[1.537,0.055]
1/1 [=====] - 0s 79ms/step
>2332, dr[0.724,0.388], df[0.528,0.076], g[1.526,0.113]
1/1 [=====] - 0s 77ms/step
>2333, dr[0.441,0.311], df[0.575,0.066], g[1.375,0.107]
1/1 [=====] - 0s 81ms/step
>2334, dr[0.439,0.712], df[0.411,0.025], g[1.427,0.092]
1/1 [=====] - 0s 73ms/step
>2335, dr[0.554,0.696], df[0.542,0.156], g[1.501,0.053]
1/1 [=====] - 0s 78ms/step
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>2336, dr[0.417,0.570], df[0.703,0.148], g[1.853,0.142]
1/1 [=====] - 0s 72ms/step
>2337, dr[0.602,0.393], df[0.403,0.060], g[1.687,0.067]
1/1 [=====] - 0s 72ms/step
>2338, dr[0.502,0.614], df[0.662,0.116], g[1.748,0.130]
1/1 [=====] - 0s 75ms/step
>2339, dr[0.600,0.674], df[0.540,0.072], g[1.658,0.065]
1/1 [=====] - 0s 71ms/step
>2340, dr[0.508,0.831], df[0.732,0.042], g[1.816,0.043]
1/1 [=====] - 0s 78ms/step
>2341, dr[0.667,1.059], df[0.692,0.156], g[1.719,0.059]
1/1 [=====] - 0s 71ms/step
>2342, dr[0.838,0.689], df[0.387,0.305], g[1.561,0.069]
1/1 [=====] - 0s 78ms/step
>2343, dr[0.437,0.492], df[0.650,0.103], g[1.571,0.037]
1/1 [=====] - 0s 87ms/step
>2344, dr[0.425,1.127], df[0.658,0.089], g[1.170,0.062]
1/1 [=====] - 0s 109ms/step
>2345, dr[0.547,0.413], df[0.529,0.111], g[1.430,0.115]
1/1 [=====] - 0s 82ms/step
>2346, dr[0.351,0.509], df[0.667,0.094], g[1.762,0.077]
1/1 [=====] - 0s 90ms/step
>2347, dr[0.594,1.099], df[0.538,0.026], g[1.667,0.069]
1/1 [=====] - 0s 73ms/step
>2348, dr[0.456,0.718], df[0.351,0.139], g[1.393,0.150]
1/1 [=====] - 0s 95ms/step
>2349, dr[0.495,0.458], df[0.499,0.102], g[1.436,0.155]
1/1 [=====] - 0s 83ms/step
>2350, dr[0.335,0.556], df[0.460,0.109], g[1.588,0.071]
1/1 [=====] - 0s 83ms/step
>2351, dr[0.428,0.492], df[0.379,0.045], g[1.459,0.034]
1/1 [=====] - 0s 77ms/step
>2352, dr[0.650,0.768], df[0.716,0.031], g[1.444,0.138]
1/1 [=====] - 0s 82ms/step
>2353, dr[0.476,0.695], df[0.489,0.144], g[1.308,0.067]
1/1 [=====] - 0s 69ms/step
>2354, dr[0.479,1.053], df[0.486,0.114], g[1.495,0.060]
1/1 [=====] - 0s 73ms/step
>2355, dr[0.476,0.514], df[0.677,0.103], g[1.275,0.124]
1/1 [=====] - 0s 74ms/step
>2356, dr[0.523,0.872], df[0.535,0.098], g[1.605,0.140]
1/1 [=====] - 0s 75ms/step
>2357, dr[0.474,0.618], df[0.549,0.139], g[1.349,0.189]
1/1 [=====] - 0s 76ms/step
>2358, dr[0.541,0.544], df[0.474,0.033], g[1.400,0.078]
1/1 [=====] - 0s 75ms/step
>2359, dr[0.561,0.833], df[0.720,0.153], g[1.586,0.160]
1/1 [=====] - 0s 78ms/step
>2360, dr[0.439,0.575], df[0.426,0.184], g[1.844,0.162]
1/1 [=====] - 0s 73ms/step
>2361, dr[0.561,0.605], df[0.443,0.038], g[1.553,0.055]
1/1 [=====] - 0s 83ms/step
>2362, dr[0.582,0.493], df[0.556,0.027], g[1.309,0.060]
1/1 [=====] - 0s 70ms/step
>2363, dr[0.373,0.697], df[0.551,0.115], g[1.414,0.081]
1/1 [=====] - 0s 72ms/step
>2364, dr[0.482,0.585], df[0.676,0.064], g[1.622,0.054]
1/1 [=====] - 0s 75ms/step
>2365, dr[0.569,0.909], df[0.538,0.071], g[1.543,0.121]
1/1 [=====] - 0s 78ms/step
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>2366, dr[0.615,0.494], df[0.413,0.096], g[1.736,0.076]
1/1 [=====] - 0s 79ms/step
>2367, dr[0.635,0.549], df[0.833,0.111], g[1.366,0.102]
1/1 [=====] - 0s 71ms/step
>2368, dr[0.578,0.629], df[0.685,0.038], g[1.776,0.114]
1/1 [=====] - 0s 76ms/step
>2369, dr[0.555,0.666], df[0.455,0.016], g[1.724,0.047]
1/1 [=====] - 0s 70ms/step
>2370, dr[0.484,0.810], df[0.411,0.164], g[1.768,0.080]
1/1 [=====] - 0s 80ms/step
>2371, dr[0.468,0.519], df[0.381,0.077], g[1.349,0.045]
1/1 [=====] - 0s 70ms/step
>2372, dr[0.479,0.945], df[0.642,0.130], g[1.569,0.063]
1/1 [=====] - 0s 71ms/step
>2373, dr[0.355,0.805], df[0.435,0.110], g[1.777,0.051]
1/1 [=====] - 0s 72ms/step
>2374, dr[0.530,0.614], df[0.473,0.191], g[1.616,0.093]
1/1 [=====] - 0s 70ms/step
>2375, dr[0.625,0.377], df[0.494,0.147], g[1.531,0.074]
1/1 [=====] - 0s 78ms/step
>2376, dr[0.488,0.713], df[0.482,0.080], g[1.339,0.056]
1/1 [=====] - 0s 69ms/step
>2377, dr[0.491,0.289], df[0.759,0.053], g[1.350,0.099]
1/1 [=====] - 0s 76ms/step
>2378, dr[0.416,0.835], df[0.767,0.055], g[1.678,0.132]
1/1 [=====] - 0s 74ms/step
>2379, dr[0.687,0.435], df[0.535,0.103], g[1.463,0.091]
1/1 [=====] - 0s 81ms/step
>2380, dr[0.490,0.290], df[0.459,0.106], g[1.276,0.063]
1/1 [=====] - 0s 71ms/step
>2381, dr[0.475,0.111], df[0.646,0.122], g[1.440,0.096]
1/1 [=====] - 0s 71ms/step
>2382, dr[0.443,0.953], df[0.512,0.090], g[1.467,0.082]
1/1 [=====] - 0s 72ms/step
>2383, dr[0.584,0.333], df[0.485,0.060], g[1.624,0.062]
1/1 [=====] - 0s 77ms/step
>2384, dr[0.499,0.497], df[0.675,0.139], g[1.611,0.081]
1/1 [=====] - 0s 75ms/step
>2385, dr[0.573,0.605], df[0.469,0.117], g[1.489,0.191]
1/1 [=====] - 0s 70ms/step
>2386, dr[0.430,0.852], df[0.623,0.197], g[1.554,0.120]
1/1 [=====] - 0s 78ms/step
>2387, dr[0.590,0.448], df[0.474,0.069], g[1.458,0.174]
1/1 [=====] - 0s 71ms/step
>2388, dr[0.501,0.725], df[0.485,0.152], g[1.524,0.069]
1/1 [=====] - 0s 78ms/step
>2389, dr[0.634,0.361], df[0.378,0.083], g[1.075,0.117]
1/1 [=====] - 0s 70ms/step
>2390, dr[0.559,0.803], df[0.636,0.031], g[1.132,0.133]
1/1 [=====] - 0s 74ms/step
>2391, dr[0.276,0.377], df[0.554,0.039], g[1.553,0.115]
1/1 [=====] - 0s 70ms/step
>2392, dr[0.559,0.454], df[0.357,0.058], g[1.425,0.160]
1/1 [=====] - 0s 72ms/step
>2393, dr[0.546,0.464], df[0.581,0.030], g[1.282,0.087]
1/1 [=====] - 0s 77ms/step
>2394, dr[0.481,0.856], df[0.643,0.030], g[1.380,0.090]
1/1 [=====] - 0s 77ms/step
>2395, dr[0.588,0.433], df[0.558,0.147], g[1.516,0.102]
1/1 [=====] - 0s 74ms/step
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>2396, dr[0.642,0.407], df[0.625,0.074], g[1.512,0.191]
1/1 [=====] - 0s 76ms/step
>2397, dr[0.546,0.941], df[0.513,0.035], g[1.266,0.179]
1/1 [=====] - 0s 78ms/step
>2398, dr[0.454,0.580], df[0.620,0.058], g[1.417,0.156]
1/1 [=====] - 0s 72ms/step
>2399, dr[0.487,0.329], df[0.397,0.059], g[1.449,0.115]
1/1 [=====] - 0s 75ms/step
>2400, dr[0.433,0.405], df[0.704,0.104], g[1.615,0.194]
1/1 [=====] - 0s 72ms/step
>2401, dr[0.893,0.533], df[0.587,0.046], g[1.378,0.104]
1/1 [=====] - 0s 80ms/step
>2402, dr[0.459,0.397], df[0.752,0.243], g[1.563,0.078]
1/1 [=====] - 0s 76ms/step
>2403, dr[0.701,0.756], df[0.640,0.034], g[1.764,0.110]
1/1 [=====] - 0s 73ms/step
>2404, dr[0.478,0.464], df[0.442,0.039], g[1.425,0.152]
1/1 [=====] - 0s 71ms/step
>2405, dr[0.651,0.703], df[0.519,0.053], g[1.427,0.090]
1/1 [=====] - 0s 72ms/step
>2406, dr[0.536,0.673], df[0.610,0.084], g[1.530,0.114]
1/1 [=====] - 0s 76ms/step
>2407, dr[0.430,0.417], df[0.599,0.131], g[1.335,0.094]
1/1 [=====] - 0s 71ms/step
>2408, dr[0.454,1.093], df[0.432,0.040], g[1.679,0.094]
1/1 [=====] - 0s 79ms/step
>2409, dr[0.428,0.690], df[0.525,0.059], g[1.746,0.109]
1/1 [=====] - 0s 69ms/step
>2410, dr[0.601,0.901], df[0.390,0.078], g[1.579,0.133]
1/1 [=====] - 0s 77ms/step
>2411, dr[0.685,0.674], df[0.558,0.048], g[1.162,0.041]
1/1 [=====] - 0s 71ms/step
>2412, dr[0.232,0.644], df[0.775,0.117], g[1.502,0.042]
1/1 [=====] - 0s 73ms/step
>2413, dr[0.705,0.498], df[0.585,0.045], g[1.672,0.051]
1/1 [=====] - 0s 71ms/step
>2414, dr[0.622,0.281], df[0.632,0.268], g[2.091,0.137]
1/1 [=====] - 0s 70ms/step
>2415, dr[0.705,0.690], df[0.465,0.068], g[1.480,0.123]
1/1 [=====] - 0s 74ms/step
>2416, dr[0.597,0.386], df[0.547,0.042], g[1.348,0.103]
1/1 [=====] - 0s 72ms/step
>2417, dr[0.407,0.777], df[0.658,0.060], g[1.683,0.035]
1/1 [=====] - 0s 80ms/step
>2418, dr[0.480,1.268], df[0.485,0.037], g[1.522,0.095]
1/1 [=====] - 0s 70ms/step
>2419, dr[0.525,0.655], df[0.631,0.164], g[1.455,0.067]
1/1 [=====] - 0s 76ms/step
>2420, dr[0.601,0.564], df[0.739,0.350], g[1.524,0.107]
1/1 [=====] - 0s 70ms/step
>2421, dr[0.509,0.980], df[0.465,0.051], g[1.399,0.131]
1/1 [=====] - 0s 79ms/step
>2422, dr[0.528,0.443], df[0.339,0.082], g[1.658,0.120]
1/1 [=====] - 0s 73ms/step
>2423, dr[0.866,1.153], df[0.600,0.112], g[1.121,0.048]
1/1 [=====] - 0s 71ms/step
>2424, dr[0.520,0.381], df[0.814,0.113], g[1.671,0.094]
1/1 [=====] - 0s 72ms/step
>2425, dr[0.520,0.504], df[0.645,0.172], g[1.281,0.100]
1/1 [=====] - 0s 69ms/step
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>2426, dr[0.369,0.614], df[0.574,0.057], g[1.878,0.081]
1/1 [=====] - 0s 79ms/step
>2427, dr[0.455,0.629], df[0.600,0.060], g[1.450,0.219]
1/1 [=====] - 0s 70ms/step
>2428, dr[0.675,0.540], df[0.621,0.049], g[1.742,0.089]
1/1 [=====] - 0s 77ms/step
>2429, dr[0.441,0.232], df[0.588,0.041], g[1.899,0.096]
1/1 [=====] - 0s 69ms/step
>2430, dr[0.739,1.165], df[0.545,0.207], g[1.333,0.088]
1/1 [=====] - 0s 77ms/step
>2431, dr[0.806,0.495], df[0.601,0.065], g[1.548,0.063]
1/1 [=====] - 0s 70ms/step
>2432, dr[0.451,0.612], df[0.489,0.147], g[1.257,0.107]
1/1 [=====] - 0s 73ms/step
>2433, dr[0.533,1.034], df[0.640,0.092], g[1.364,0.075]
1/1 [=====] - 0s 75ms/step
>2434, dr[0.690,0.830], df[0.583,0.097], g[1.289,0.107]
1/1 [=====] - 0s 71ms/step
>2435, dr[0.444,0.405], df[0.466,0.057], g[1.315,0.136]
1/1 [=====] - 0s 72ms/step
>2436, dr[0.542,0.546], df[0.620,0.014], g[1.268,0.153]
1/1 [=====] - 0s 70ms/step
>2437, dr[0.424,0.658], df[0.728,0.075], g[1.414,0.059]
1/1 [=====] - 0s 80ms/step
>2438, dr[0.589,0.798], df[0.694,0.085], g[1.624,0.077]
1/1 [=====] - 0s 71ms/step
>2439, dr[0.414,0.318], df[0.449,0.041], g[1.817,0.058]
1/1 [=====] - 0s 80ms/step
>2440, dr[0.736,0.446], df[0.519,0.065], g[1.714,0.068]
1/1 [=====] - 0s 71ms/step
>2441, dr[0.600,0.530], df[0.704,0.035], g[1.651,0.096]
1/1 [=====] - 0s 83ms/step
>2442, dr[0.459,0.320], df[0.515,0.144], g[1.762,0.103]
1/1 [=====] - 0s 79ms/step
>2443, dr[0.620,0.754], df[0.374,0.163], g[1.784,0.099]
1/1 [=====] - 0s 74ms/step
>2444, dr[0.510,0.676], df[0.687,0.141], g[1.873,0.097]
1/1 [=====] - 0s 77ms/step
>2445, dr[0.811,0.565], df[0.606,0.033], g[1.757,0.189]
1/1 [=====] - 0s 75ms/step
>2446, dr[0.576,0.323], df[0.687,0.094], g[1.773,0.133]
1/1 [=====] - 0s 83ms/step
>2447, dr[0.454,0.555], df[0.473,0.066], g[1.775,0.053]
1/1 [=====] - 0s 79ms/step
>2448, dr[0.677,0.588], df[0.404,0.063], g[1.592,0.152]
1/1 [=====] - 0s 81ms/step
>2449, dr[0.595,0.471], df[0.646,0.126], g[1.372,0.084]
1/1 [=====] - 0s 77ms/step
>2450, dr[0.554,0.609], df[0.528,0.025], g[1.550,0.057]
1/1 [=====] - 0s 75ms/step
>2451, dr[0.579,0.619], df[0.704,0.055], g[1.577,0.041]
1/1 [=====] - 0s 121ms/step
>2452, dr[0.481,0.450], df[0.350,0.037], g[1.634,0.045]
1/1 [=====] - 0s 75ms/step
>2453, dr[0.595,0.895], df[0.471,0.024], g[1.361,0.045]
1/1 [=====] - 0s 75ms/step
>2454, dr[0.473,0.606], df[0.420,0.035], g[1.187,0.062]
1/1 [=====] - 0s 117ms/step
>2455, dr[0.482,0.868], df[0.766,0.116], g[1.264,0.204]
1/1 [=====] - 0s 81ms/step
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>2456, dr[0.514,0.489], df[0.525,0.096], g[1.420,0.073]
1/1 [=====] - 0s 87ms/step
>2457, dr[0.632,0.309], df[0.556,0.054], g[1.286,0.109]
1/1 [=====] - 0s 151ms/step
>2458, dr[0.523,0.697], df[0.553,0.151], g[1.361,0.074]
1/1 [=====] - 0s 99ms/step
>2459, dr[0.457,0.421], df[0.455,0.033], g[1.419,0.180]
1/1 [=====] - 0s 111ms/step
>2460, dr[0.412,0.571], df[0.676,0.125], g[1.758,0.066]
1/1 [=====] - 0s 88ms/step
>2461, dr[0.645,0.376], df[0.517,0.083], g[1.486,0.016]
1/1 [=====] - 0s 91ms/step
>2462, dr[0.683,0.404], df[0.366,0.038], g[1.607,0.091]
1/1 [=====] - 0s 79ms/step
>2463, dr[0.451,0.476], df[0.686,0.051], g[1.543,0.049]
1/1 [=====] - 0s 73ms/step
>2464, dr[0.571,0.989], df[0.505,0.076], g[1.537,0.039]
1/1 [=====] - 0s 82ms/step
>2465, dr[0.536,0.260], df[0.556,0.102], g[1.412,0.083]
1/1 [=====] - 0s 71ms/step
>2466, dr[0.434,0.547], df[0.614,0.019], g[1.367,0.185]
1/1 [=====] - 0s 74ms/step
>2467, dr[0.528,0.918], df[0.642,0.231], g[1.605,0.059]
1/1 [=====] - 0s 75ms/step
>2468, dr[0.440,0.373], df[0.356,0.056], g[1.663,0.054]
1/1 [=====] - 0s 77ms/step
>2469, dr[0.613,0.529], df[0.507,0.070], g[1.576,0.023]
1/1 [=====] - 0s 81ms/step
>2470, dr[0.640,0.523], df[0.619,0.105], g[1.492,0.076]
1/1 [=====] - 0s 74ms/step
>2471, dr[0.652,0.721], df[0.592,0.089], g[1.180,0.053]
1/1 [=====] - 0s 82ms/step
>2472, dr[0.442,0.286], df[0.777,0.089], g[1.250,0.192]
1/1 [=====] - 0s 77ms/step
>2473, dr[0.489,0.360], df[0.530,0.062], g[1.370,0.040]
1/1 [=====] - 0s 87ms/step
>2474, dr[0.530,0.407], df[0.407,0.192], g[1.770,0.064]
1/1 [=====] - 0s 92ms/step
>2475, dr[0.610,0.682], df[0.599,0.075], g[1.189,0.059]
1/1 [=====] - 0s 84ms/step
>2476, dr[0.522,0.593], df[0.596,0.119], g[1.318,0.115]
1/1 [=====] - 0s 78ms/step
>2477, dr[0.438,0.531], df[0.618,0.240], g[1.538,0.062]
1/1 [=====] - 0s 77ms/step
>2478, dr[0.499,0.417], df[0.698,0.044], g[1.937,0.031]
1/1 [=====] - 0s 83ms/step
>2479, dr[0.504,0.529], df[0.375,0.063], g[1.603,0.102]
1/1 [=====] - 0s 81ms/step
>2480, dr[0.686,0.788], df[0.433,0.084], g[1.432,0.099]
1/1 [=====] - 0s 82ms/step
>2481, dr[0.434,0.897], df[0.513,0.056], g[1.330,0.064]
1/1 [=====] - 0s 91ms/step
>2482, dr[0.584,0.500], df[0.575,0.106], g[1.050,0.179]
1/1 [=====] - 0s 70ms/step
>2483, dr[0.426,0.376], df[0.540,0.151], g[1.275,0.074]
1/1 [=====] - 0s 96ms/step
>2484, dr[0.402,0.737], df[0.466,0.039], g[1.635,0.182]
1/1 [=====] - 0s 73ms/step
>2485, dr[0.445,0.606], df[0.499,0.084], g[1.673,0.045]
1/1 [=====] - 0s 82ms/step
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>2486, dr[0.484,0.794], df[0.604,0.067], g[1.215,0.068]
1/1 [=====] - 0s 81ms/step
>2487, dr[0.527,0.504], df[0.478,0.144], g[1.497,0.089]
1/1 [=====] - 0s 71ms/step
>2488, dr[0.483,0.657], df[0.587,0.191], g[1.548,0.082]
1/1 [=====] - 0s 81ms/step
>2489, dr[0.519,0.783], df[0.426,0.066], g[1.488,0.083]
1/1 [=====] - 0s 76ms/step
>2490, dr[0.587,1.017], df[0.601,0.083], g[1.346,0.094]
1/1 [=====] - 0s 77ms/step
>2491, dr[0.406,0.771], df[0.373,0.151], g[1.535,0.080]
1/1 [=====] - 0s 75ms/step
>2492, dr[0.570,0.447], df[0.678,0.034], g[1.450,0.079]
1/1 [=====] - 0s 73ms/step
>2493, dr[0.649,1.440], df[0.678,0.075], g[1.645,0.048]
1/1 [=====] - 0s 77ms/step
>2494, dr[0.619,0.237], df[0.483,0.196], g[1.605,0.113]
1/1 [=====] - 0s 70ms/step
>2495, dr[0.491,0.500], df[0.351,0.042], g[1.380,0.117]
1/1 [=====] - 0s 78ms/step
>2496, dr[0.460,0.437], df[0.704,0.103], g[1.535,0.132]
1/1 [=====] - 0s 73ms/step
>2497, dr[0.594,1.015], df[0.337,0.117], g[1.354,0.130]
1/1 [=====] - 0s 75ms/step
>2498, dr[0.584,0.337], df[0.836,0.138], g[1.121,0.076]
1/1 [=====] - 0s 72ms/step
>2499, dr[0.677,0.783], df[0.453,0.032], g[1.234,0.086]
1/1 [=====] - 0s 77ms/step
>2500, dr[0.414,0.584], df[0.716,0.121], g[1.429,0.063]
1/1 [=====] - 0s 69ms/step
>2501, dr[0.514,0.727], df[0.555,0.065], g[1.290,0.105]
1/1 [=====] - 0s 72ms/step
>2502, dr[0.517,0.409], df[0.431,0.052], g[1.531,0.079]
1/1 [=====] - 0s 69ms/step
>2503, dr[0.517,0.780], df[0.560,0.046], g[1.610,0.109]
1/1 [=====] - 0s 68ms/step
>2504, dr[0.544,0.937], df[0.522,0.087], g[1.329,0.054]
1/1 [=====] - 0s 69ms/step
>2505, dr[0.334,0.567], df[0.648,0.249], g[1.444,0.123]
1/1 [=====] - 0s 71ms/step
>2506, dr[0.645,0.894], df[0.644,0.083], g[1.583,0.059]
1/1 [=====] - 0s 74ms/step
>2507, dr[0.549,0.418], df[0.556,0.096], g[1.759,0.121]
1/1 [=====] - 0s 74ms/step
>2508, dr[0.482,0.469], df[0.476,0.191], g[1.666,0.083]
1/1 [=====] - 0s 76ms/step
>2509, dr[0.509,0.436], df[0.652,0.104], g[1.542,0.133]
1/1 [=====] - 0s 69ms/step
>2510, dr[0.771,0.674], df[0.380,0.149], g[1.373,0.035]
1/1 [=====] - 0s 78ms/step
>2511, dr[0.479,0.528], df[0.706,0.121], g[1.199,0.164]
1/1 [=====] - 0s 73ms/step
>2512, dr[0.387,0.416], df[0.684,0.044], g[1.656,0.059]
1/1 [=====] - 0s 74ms/step
>2513, dr[0.386,0.489], df[0.426,0.025], g[1.506,0.126]
1/1 [=====] - 0s 70ms/step
>2514, dr[0.482,0.333], df[0.556,0.043], g[1.766,0.261]
1/1 [=====] - 0s 70ms/step
>2515, dr[0.599,0.555], df[0.629,0.107], g[1.708,0.044]
1/1 [=====] - 0s 73ms/step
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>2516, dr[0.800,0.580], df[0.607,0.070], g[1.152,0.152]
1/1 [=====] - 0s 69ms/step
>2517, dr[0.511,0.725], df[0.757,0.136], g[1.544,0.097]
1/1 [=====] - 0s 75ms/step
>2518, dr[0.812,0.665], df[0.625,0.029], g[1.365,0.111]
1/1 [=====] - 0s 71ms/step
>2519, dr[0.600,0.325], df[0.579,0.119], g[1.511,0.043]
1/1 [=====] - 0s 76ms/step
>2520, dr[0.551,0.879], df[0.527,0.172], g[1.198,0.091]
1/1 [=====] - 0s 70ms/step
>2521, dr[0.509,0.644], df[0.812,0.041], g[1.677,0.166]
1/1 [=====] - 0s 76ms/step
>2522, dr[0.595,0.586], df[0.502,0.168], g[1.739,0.048]
1/1 [=====] - 0s 71ms/step
>2523, dr[0.799,0.690], df[0.731,0.033], g[1.192,0.141]
1/1 [=====] - 0s 75ms/step
>2524, dr[0.510,0.497], df[0.710,0.134], g[1.462,0.042]
1/1 [=====] - 0s 70ms/step
>2525, dr[0.823,0.759], df[0.683,0.074], g[1.239,0.253]
1/1 [=====] - 0s 78ms/step
>2526, dr[0.657,0.956], df[0.519,0.100], g[1.306,0.114]
1/1 [=====] - 0s 73ms/step
>2527, dr[0.403,0.628], df[0.624,0.041], g[1.289,0.073]
1/1 [=====] - 0s 76ms/step
>2528, dr[0.501,0.732], df[0.462,0.085], g[1.614,0.109]
1/1 [=====] - 0s 76ms/step
>2529, dr[0.669,0.910], df[0.599,0.061], g[1.265,0.121]
1/1 [=====] - 0s 70ms/step
>2530, dr[0.647,0.625], df[0.480,0.084], g[1.421,0.080]
1/1 [=====] - 0s 78ms/step
>2531, dr[0.359,0.743], df[0.557,0.071], g[1.405,0.129]
1/1 [=====] - 0s 75ms/step
>2532, dr[0.476,0.588], df[0.482,0.027], g[1.449,0.106]
1/1 [=====] - 0s 76ms/step
>2533, dr[0.661,0.634], df[0.589,0.065], g[1.189,0.137]
1/1 [=====] - 0s 69ms/step
>2534, dr[0.560,0.960], df[0.675,0.045], g[1.236,0.132]
1/1 [=====] - 0s 77ms/step
>2535, dr[0.446,0.462], df[0.517,0.167], g[1.176,0.059]
1/1 [=====] - 0s 70ms/step
>2536, dr[0.490,0.545], df[0.675,0.073], g[1.706,0.103]
1/1 [=====] - 0s 70ms/step
>2537, dr[0.533,0.444], df[0.498,0.144], g[1.482,0.065]
1/1 [=====] - 0s 74ms/step
>2538, dr[0.624,0.685], df[0.441,0.073], g[1.677,0.044]
1/1 [=====] - 0s 72ms/step
>2539, dr[0.599,1.057], df[0.490,0.072], g[1.145,0.107]
1/1 [=====] - 0s 71ms/step
>2540, dr[0.456,0.415], df[0.746,0.077], g[1.246,0.096]
1/1 [=====] - 0s 69ms/step
>2541, dr[0.432,0.556], df[0.556,0.053], g[1.537,0.105]
1/1 [=====] - 0s 75ms/step
>2542, dr[0.615,0.313], df[0.516,0.146], g[1.755,0.058]
1/1 [=====] - 0s 74ms/step
>2543, dr[0.573,0.604], df[0.523,0.152], g[1.350,0.114]
1/1 [=====] - 0s 74ms/step
>2544, dr[0.477,0.477], df[0.582,0.174], g[1.343,0.149]
1/1 [=====] - 0s 71ms/step
>2545, dr[0.437,0.276], df[0.612,0.134], g[1.776,0.058]
1/1 [=====] - 0s 76ms/step
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>2546, dr[0.679,0.588], df[0.501,0.237], g[1.537,0.058]
1/1 [=====] - 0s 74ms/step
>2547, dr[0.487,0.322], df[0.419,0.045], g[1.609,0.128]
1/1 [=====] - 0s 79ms/step
>2548, dr[0.532,0.835], df[0.417,0.172], g[1.451,0.063]
1/1 [=====] - 0s 71ms/step
>2549, dr[0.525,1.167], df[0.581,0.155], g[1.446,0.186]
1/1 [=====] - 0s 74ms/step
>2550, dr[0.492,0.862], df[0.511,0.095], g[1.647,0.168]
1/1 [=====] - 0s 70ms/step
>2551, dr[0.683,0.791], df[0.473,0.065], g[1.233,0.077]
1/1 [=====] - 0s 75ms/step
>2552, dr[0.464,1.041], df[0.690,0.060], g[1.341,0.080]
1/1 [=====] - 0s 71ms/step
>2553, dr[0.688,1.120], df[0.592,0.049], g[1.260,0.095]
1/1 [=====] - 0s 70ms/step
>2554, dr[0.431,0.377], df[0.528,0.114], g[1.528,0.068]
1/1 [=====] - 0s 77ms/step
>2555, dr[0.589,0.893], df[0.539,0.049], g[1.430,0.082]
1/1 [=====] - 0s 69ms/step
>2556, dr[0.476,0.372], df[0.534,0.497], g[1.647,0.053]
1/1 [=====] - 0s 76ms/step
>2557, dr[0.594,0.424], df[0.666,0.179], g[1.667,0.121]
1/1 [=====] - 0s 82ms/step
>2558, dr[0.558,0.697], df[0.395,0.035], g[1.439,0.096]
1/1 [=====] - 0s 75ms/step
>2559, dr[0.493,0.352], df[0.547,0.023], g[1.492,0.105]
1/1 [=====] - 0s 73ms/step
>2560, dr[0.401,0.498], df[0.528,0.052], g[1.663,0.189]
1/1 [=====] - 0s 78ms/step
>2561, dr[0.432,1.014], df[0.462,0.093], g[1.487,0.080]
1/1 [=====] - 0s 76ms/step
>2562, dr[0.464,0.892], df[0.498,0.139], g[1.648,0.078]
1/1 [=====] - 0s 71ms/step
>2563, dr[0.476,0.671], df[0.504,0.064], g[1.558,0.122]
1/1 [=====] - 0s 80ms/step
>2564, dr[0.553,0.475], df[0.616,0.085], g[1.583,0.092]
1/1 [=====] - 0s 82ms/step
>2565, dr[0.569,0.616], df[0.514,0.155], g[1.510,0.168]
1/1 [=====] - 0s 74ms/step
>2566, dr[0.613,0.474], df[0.458,0.036], g[1.432,0.064]
1/1 [=====] - 0s 74ms/step
>2567, dr[0.461,0.537], df[0.565,0.046], g[1.285,0.122]
1/1 [=====] - 0s 76ms/step
>2568, dr[0.431,0.557], df[0.596,0.030], g[1.560,0.054]
1/1 [=====] - 0s 84ms/step
>2569, dr[0.507,0.612], df[0.404,0.038], g[1.273,0.102]
1/1 [=====] - 0s 73ms/step
>2570, dr[0.495,0.385], df[0.494,0.097], g[1.477,0.175]
1/1 [=====] - 0s 73ms/step
>2571, dr[0.563,0.640], df[0.648,0.061], g[1.293,0.183]
1/1 [=====] - 0s 71ms/step
>2572, dr[0.721,0.800], df[0.645,0.156], g[1.366,0.135]
1/1 [=====] - 0s 77ms/step
>2573, dr[0.541,0.575], df[0.899,0.455], g[1.661,0.106]
1/1 [=====] - 0s 70ms/step
>2574, dr[0.562,1.325], df[0.407,0.066], g[1.437,0.125]
1/1 [=====] - 0s 82ms/step
>2575, dr[0.636,0.784], df[0.543,0.056], g[1.322,0.085]
1/1 [=====] - 0s 70ms/step
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>2576, dr[0.527,0.665], df[0.600,0.086], g[1.209,0.111]
1/1 [=====] - 0s 79ms/step
>2577, dr[0.454,1.319], df[0.601,0.275], g[1.314,0.198]
1/1 [=====] - 0s 75ms/step
>2578, dr[0.495,0.673], df[0.569,0.146], g[1.661,0.071]
1/1 [=====] - 0s 76ms/step
>2579, dr[0.680,0.422], df[0.654,0.088], g[1.522,0.085]
1/1 [=====] - 0s 70ms/step
>2580, dr[0.446,0.337], df[0.565,0.281], g[1.581,0.039]
1/1 [=====] - 0s 69ms/step
>2581, dr[0.544,0.492], df[0.710,0.103], g[1.414,0.047]
1/1 [=====] - 0s 74ms/step
>2582, dr[0.632,0.412], df[0.513,0.072], g[1.600,0.061]
1/1 [=====] - 0s 69ms/step
>2583, dr[0.690,0.412], df[0.459,0.047], g[1.339,0.050]
1/1 [=====] - 0s 79ms/step
>2584, dr[0.431,0.435], df[0.618,0.176], g[1.552,0.059]
1/1 [=====] - 0s 71ms/step
>2585, dr[0.572,0.539], df[0.558,0.028], g[1.540,0.136]
1/1 [=====] - 0s 81ms/step
>2586, dr[0.744,0.383], df[0.367,0.039], g[1.376,0.040]
1/1 [=====] - 0s 72ms/step
>2587, dr[0.386,0.211], df[0.551,0.055], g[1.247,0.070]
1/1 [=====] - 0s 74ms/step
>2588, dr[0.419,0.757], df[0.714,0.054], g[1.319,0.080]
1/1 [=====] - 0s 71ms/step
>2589, dr[0.411,0.237], df[0.429,0.051], g[1.799,0.097]
1/1 [=====] - 0s 71ms/step
>2590, dr[0.735,0.661], df[0.415,0.268], g[1.639,0.061]
1/1 [=====] - 0s 72ms/step
>2591, dr[0.599,0.372], df[0.749,0.094], g[1.512,0.064]
1/1 [=====] - 0s 71ms/step
>2592, dr[0.550,0.313], df[0.553,0.059], g[1.095,0.124]
1/1 [=====] - 0s 75ms/step
>2593, dr[0.382,0.297], df[0.603,0.057], g[1.674,0.164]
1/1 [=====] - 0s 76ms/step
>2594, dr[0.456,0.441], df[0.496,0.136], g[1.583,0.067]
1/1 [=====] - 0s 76ms/step
>2595, dr[0.753,0.572], df[0.618,0.079], g[1.279,0.058]
1/1 [=====] - 0s 72ms/step
>2596, dr[0.613,0.557], df[0.756,0.308], g[1.462,0.103]
1/1 [=====] - 0s 80ms/step
>2597, dr[0.733,0.434], df[0.646,0.082], g[1.493,0.047]
1/1 [=====] - 0s 70ms/step
>2598, dr[0.586,0.698], df[0.505,0.090], g[1.526,0.122]
1/1 [=====] - 0s 76ms/step
>2599, dr[0.622,0.930], df[0.498,0.184], g[1.228,0.130]
1/1 [=====] - 0s 71ms/step
>2600, dr[0.552,0.316], df[0.764,0.058], g[1.373,0.103]
1/1 [=====] - 0s 77ms/step
>2601, dr[0.594,0.527], df[0.716,0.110], g[1.498,0.103]
1/1 [=====] - 0s 71ms/step
>2602, dr[0.587,0.830], df[0.528,0.022], g[1.460,0.077]
1/1 [=====] - 0s 84ms/step
>2603, dr[0.543,0.380], df[0.542,0.031], g[1.463,0.035]
1/1 [=====] - 0s 71ms/step
>2604, dr[0.685,0.623], df[0.487,0.070], g[1.354,0.043]
1/1 [=====] - 0s 78ms/step
>2605, dr[0.470,0.677], df[0.523,0.070], g[1.419,0.059]
1/1 [=====] - 0s 71ms/step
```

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>2606, dr[0.729,0.538], df[0.466,0.035], g[1.216,0.087]
1/1 [=====] - 0s 70ms/step
>2607, dr[0.438,0.209], df[0.584,0.102], g[1.002,0.064]
1/1 [=====] - 0s 70ms/step
>2608, dr[0.604,0.621], df[0.695,0.076], g[1.395,0.108]
1/1 [=====] - 0s 71ms/step
>2609, dr[0.678,0.457], df[0.617,0.031], g[1.412,0.064]
1/1 [=====] - 0s 77ms/step
>2610, dr[0.725,0.664], df[0.580,0.237], g[1.220,0.046]
1/1 [=====] - 0s 68ms/step
>2611, dr[0.534,0.649], df[0.631,0.077], g[1.367,0.150]
1/1 [=====] - 0s 77ms/step
>2612, dr[0.532,0.729], df[0.424,0.048], g[1.491,0.084]
1/1 [=====] - 0s 72ms/step
>2613, dr[0.435,0.540], df[0.683,0.243], g[1.233,0.047]
1/1 [=====] - 0s 77ms/step
>2614, dr[0.440,0.424], df[0.613,0.057], g[1.574,0.144]
1/1 [=====] - 0s 71ms/step
>2615, dr[0.780,0.312], df[0.427,0.042], g[1.601,0.049]
1/1 [=====] - 0s 76ms/step
>2616, dr[0.592,0.489], df[0.672,0.032], g[1.546,0.033]
1/1 [=====] - 0s 70ms/step
>2617, dr[0.444,0.727], df[0.498,0.054], g[1.681,0.124]
1/1 [=====] - 0s 72ms/step
>2618, dr[0.729,0.901], df[0.589,0.069], g[1.631,0.055]
1/1 [=====] - 0s 73ms/step
>2619, dr[0.338,0.595], df[0.485,0.036], g[1.637,0.062]
1/1 [=====] - 0s 72ms/step
>2620, dr[0.585,0.642], df[0.619,0.115], g[1.392,0.060]
1/1 [=====] - 0s 73ms/step
>2621, dr[0.754,0.691], df[0.582,0.061], g[1.320,0.095]
1/1 [=====] - 0s 73ms/step
>2622, dr[0.457,0.560], df[0.537,0.205], g[1.424,0.090]
1/1 [=====] - 0s 78ms/step
>2623, dr[0.524,0.591], df[0.514,0.478], g[1.258,0.037]
1/1 [=====] - 0s 72ms/step
>2624, dr[0.646,0.678], df[0.479,0.079], g[1.168,0.137]
1/1 [=====] - 0s 76ms/step
>2625, dr[0.374,0.306], df[0.839,0.076], g[1.601,0.039]
1/1 [=====] - 0s 72ms/step
>2626, dr[0.578,0.516], df[0.456,0.056], g[1.262,0.042]
1/1 [=====] - 0s 76ms/step
>2627, dr[0.429,0.259], df[0.765,0.149], g[1.363,0.050]
1/1 [=====] - 0s 71ms/step
>2628, dr[0.652,0.294], df[0.449,0.066], g[1.472,0.051]
1/1 [=====] - 0s 71ms/step
>2629, dr[0.781,0.649], df[0.640,0.174], g[1.148,0.077]
1/1 [=====] - 0s 70ms/step
>2630, dr[0.521,0.883], df[0.970,0.050], g[1.475,0.080]
1/1 [=====] - 0s 69ms/step
>2631, dr[0.429,0.373], df[0.556,0.097], g[1.545,0.069]
1/1 [=====] - 0s 73ms/step
>2632, dr[0.816,0.712], df[0.431,0.107], g[1.409,0.049]
1/1 [=====] - 0s 70ms/step
>2633, dr[0.405,0.468], df[0.699,0.117], g[1.390,0.096]
1/1 [=====] - 0s 77ms/step
>2634, dr[0.466,0.601], df[0.733,0.041], g[1.665,0.121]
1/1 [=====] - 0s 69ms/step
>2635, dr[0.550,0.618], df[0.620,0.140], g[1.608,0.096]
1/1 [=====] - 0s 78ms/step
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>2636, dr[0.780,0.706], df[0.415,0.036], g[1.812,0.130]
1/1 [=====] - 0s 95ms/step
>2637, dr[0.555,0.316], df[0.485,0.027], g[1.192,0.155]
1/1 [=====] - 0s 228ms/step
>2638, dr[0.432,0.514], df[0.429,0.032], g[1.488,0.047]
1/1 [=====] - 0s 304ms/step
>2639, dr[0.508,0.666], df[0.533,0.055], g[1.154,0.059]
1/1 [=====] - 0s 217ms/step
>2640, dr[0.456,0.997], df[0.769,0.180], g[1.588,0.078]
1/1 [=====] - 0s 126ms/step
>2641, dr[0.788,0.634], df[0.493,0.043], g[1.206,0.097]
1/1 [=====] - 0s 483ms/step
>2642, dr[0.481,0.928], df[0.648,0.070], g[1.188,0.089]
1/1 [=====] - 0s 169ms/step
>2643, dr[0.499,0.710], df[0.766,0.017], g[1.140,0.067]
1/1 [=====] - 0s 149ms/step
>2644, dr[0.591,0.520], df[0.604,0.200], g[1.384,0.088]
1/1 [=====] - 0s 122ms/step
>2645, dr[0.539,0.637], df[0.440,0.030], g[1.344,0.097]
1/1 [=====] - 0s 105ms/step
>2646, dr[0.447,0.551], df[0.537,0.053], g[1.393,0.056]
1/1 [=====] - 0s 119ms/step
>2647, dr[0.531,0.753], df[0.744,0.027], g[1.654,0.047]
1/1 [=====] - 0s 100ms/step
>2648, dr[0.678,0.220], df[0.543,0.070], g[1.728,0.076]
1/1 [=====] - 0s 108ms/step
>2649, dr[0.514,0.763], df[0.555,0.069], g[1.402,0.057]
1/1 [=====] - 0s 95ms/step
>2650, dr[0.658,0.390], df[0.445,0.044], g[1.511,0.130]
1/1 [=====] - 0s 97ms/step
>2651, dr[0.586,0.513], df[0.570,0.094], g[1.483,0.082]
1/1 [=====] - 0s 84ms/step
>2652, dr[0.369,0.793], df[0.591,0.202], g[1.514,0.078]
1/1 [=====] - 0s 102ms/step
>2653, dr[0.374,0.553], df[0.445,0.154], g[1.630,0.128]
1/1 [=====] - 0s 73ms/step
>2654, dr[0.722,1.296], df[0.452,0.071], g[1.482,0.068]
1/1 [=====] - 0s 86ms/step
>2655, dr[0.546,0.588], df[0.416,0.095], g[1.101,0.104]
1/1 [=====] - 0s 96ms/step
>2656, dr[0.425,0.363], df[0.473,0.054], g[1.113,0.111]
1/1 [=====] - 0s 82ms/step
>2657, dr[0.512,0.336], df[0.610,0.104], g[0.900,0.031]
1/1 [=====] - 0s 82ms/step
>2658, dr[0.493,0.400], df[0.654,0.105], g[1.418,0.097]
1/1 [=====] - 0s 77ms/step
>2659, dr[0.665,0.620], df[0.460,0.050], g[1.316,0.100]
1/1 [=====] - 0s 81ms/step
>2660, dr[0.667,0.687], df[0.577,0.147], g[1.043,0.174]
1/1 [=====] - 0s 79ms/step
>2661, dr[0.732,0.683], df[0.673,0.123], g[1.085,0.042]
1/1 [=====] - 0s 93ms/step
>2662, dr[0.587,0.226], df[0.861,0.172], g[1.542,0.039]
1/1 [=====] - 0s 76ms/step
>2663, dr[0.515,0.755], df[0.633,0.069], g[1.397,0.097]
1/1 [=====] - 0s 77ms/step
>2664, dr[0.722,0.485], df[0.610,0.089], g[1.275,0.072]
1/1 [=====] - 0s 82ms/step
>2665, dr[0.446,0.631], df[0.508,0.161], g[1.455,0.077]
1/1 [=====] - 0s 76ms/step
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>2666, dr[0.628,0.191], df[0.452,0.110], g[1.389,0.057]
1/1 [=====] - 0s 79ms/step
>2667, dr[0.473,0.333], df[0.706,0.217], g[1.600,0.077]
1/1 [=====] - 0s 71ms/step
>2668, dr[0.682,0.747], df[0.463,0.030], g[1.291,0.155]
1/1 [=====] - 0s 74ms/step
>2669, dr[0.476,0.400], df[0.543,0.023], g[1.373,0.087]
1/1 [=====] - 0s 78ms/step
>2670, dr[0.564,0.457], df[0.568,0.029], g[1.369,0.057]
1/1 [=====] - 0s 78ms/step
>2671, dr[0.541,0.491], df[0.611,0.055], g[1.620,0.066]
1/1 [=====] - 0s 78ms/step
>2672, dr[0.782,1.016], df[0.530,0.136], g[1.093,0.093]
1/1 [=====] - 0s 72ms/step
>2673, dr[0.353,0.659], df[0.699,0.068], g[1.320,0.076]
1/1 [=====] - 0s 75ms/step
>2674, dr[0.335,0.489], df[0.618,0.073], g[1.767,0.094]
1/1 [=====] - 0s 73ms/step
>2675, dr[0.495,0.485], df[0.542,0.299], g[1.538,0.036]
1/1 [=====] - 0s 76ms/step
>2676, dr[0.595,0.844], df[0.252,0.101], g[1.517,0.195]
1/1 [=====] - 0s 76ms/step
>2677, dr[0.698,0.720], df[0.575,0.225], g[1.190,0.165]
1/1 [=====] - 0s 83ms/step
>2678, dr[0.506,0.798], df[0.422,0.081], g[0.903,0.182]
1/1 [=====] - 0s 84ms/step
>2679, dr[0.403,0.410], df[0.626,0.071], g[1.131,0.088]
1/1 [=====] - 0s 76ms/step
>2680, dr[0.491,0.989], df[0.769,0.296], g[1.511,0.030]
1/1 [=====] - 0s 77ms/step
>2681, dr[0.484,0.701], df[0.448,0.106], g[1.540,0.105]
1/1 [=====] - 0s 71ms/step
>2682, dr[0.610,0.364], df[0.770,0.223], g[1.398,0.105]
1/1 [=====] - 0s 70ms/step
>2683, dr[0.669,0.453], df[0.578,0.134], g[1.585,0.069]
1/1 [=====] - 0s 78ms/step
>2684, dr[0.386,0.191], df[0.453,0.155], g[1.394,0.094]
1/1 [=====] - 0s 73ms/step
>2685, dr[0.536,0.573], df[0.482,0.044], g[1.404,0.044]
1/1 [=====] - 0s 76ms/step
>2686, dr[0.609,0.465], df[0.630,0.099], g[1.416,0.147]
1/1 [=====] - 0s 71ms/step
>2687, dr[1.006,0.612], df[0.410,0.075], g[1.372,0.028]
1/1 [=====] - 0s 72ms/step
>2688, dr[0.568,0.868], df[0.592,0.173], g[1.156,0.104]
1/1 [=====] - 0s 71ms/step
>2689, dr[0.292,0.704], df[0.485,0.062], g[1.424,0.064]
1/1 [=====] - 0s 78ms/step
>2690, dr[0.523,0.337], df[0.520,0.060], g[1.284,0.081]
1/1 [=====] - 0s 86ms/step
>2691, dr[0.660,0.588], df[0.584,0.052], g[1.271,0.103]
1/1 [=====] - 0s 74ms/step
>2692, dr[0.399,1.145], df[0.583,0.108], g[1.497,0.107]
1/1 [=====] - 0s 75ms/step
>2693, dr[0.432,0.368], df[0.563,0.098], g[1.591,0.170]
1/1 [=====] - 0s 77ms/step
>2694, dr[0.867,0.494], df[0.514,0.065], g[1.464,0.075]
1/1 [=====] - 0s 78ms/step
>2695, dr[0.517,0.389], df[0.533,0.121], g[1.537,0.075]
1/1 [=====] - 0s 77ms/step
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>2696, dr[0.457,0.485], df[0.612,0.144], g[1.312,0.060]
1/1 [=====] - 0s 74ms/step
>2697, dr[0.579,0.753], df[0.523,0.069], g[1.438,0.058]
1/1 [=====] - 0s 74ms/step
>2698, dr[0.458,0.775], df[0.693,0.051], g[1.677,0.073]
1/1 [=====] - 0s 73ms/step
>2699, dr[0.666,0.754], df[0.379,0.064], g[1.336,0.101]
1/1 [=====] - 0s 73ms/step
>2700, dr[0.621,0.463], df[0.575,0.088], g[1.160,0.090]
1/1 [=====] - 0s 74ms/step
>2701, dr[0.460,0.317], df[0.483,0.032], g[1.100,0.144]
1/1 [=====] - 0s 74ms/step
>2702, dr[0.372,0.402], df[0.708,0.182], g[1.507,0.135]
1/1 [=====] - 0s 80ms/step
>2703, dr[0.718,1.045], df[0.622,0.059], g[1.110,0.119]
1/1 [=====] - 0s 72ms/step
>2704, dr[0.465,0.311], df[0.367,0.039], g[1.225,0.047]
1/1 [=====] - 0s 75ms/step
>2705, dr[0.636,0.306], df[0.565,0.038], g[1.136,0.164]
1/1 [=====] - 0s 73ms/step
>2706, dr[0.405,0.463], df[0.614,0.067], g[1.186,0.102]
1/1 [=====] - 0s 84ms/step
>2707, dr[0.410,0.388], df[0.631,0.191], g[1.451,0.026]
1/1 [=====] - 0s 76ms/step
>2708, dr[0.601,0.693], df[0.444,0.022], g[1.455,0.123]
1/1 [=====] - 0s 78ms/step
>2709, dr[0.508,0.537], df[0.624,0.024], g[1.484,0.063]
1/1 [=====] - 0s 83ms/step
>2710, dr[0.454,0.757], df[0.661,0.034], g[1.572,0.118]
1/1 [=====] - 0s 81ms/step
>2711, dr[0.633,0.318], df[0.458,0.140], g[1.645,0.062]
1/1 [=====] - 0s 76ms/step
>2712, dr[0.657,0.489], df[0.475,0.066], g[1.300,0.101]
1/1 [=====] - 0s 79ms/step
>2713, dr[0.650,0.588], df[0.427,0.056], g[1.344,0.110]
1/1 [=====] - 0s 88ms/step
>2714, dr[0.610,0.736], df[0.610,0.043], g[1.232,0.108]
1/1 [=====] - 0s 82ms/step
>2715, dr[0.412,0.574], df[0.762,0.094], g[1.375,0.145]
1/1 [=====] - 0s 73ms/step
>2716, dr[0.486,0.440], df[0.624,0.207], g[1.417,0.048]
1/1 [=====] - 0s 78ms/step
>2717, dr[0.467,0.550], df[0.345,0.067], g[1.547,0.127]
1/1 [=====] - 0s 77ms/step
>2718, dr[0.650,0.631], df[0.607,0.041], g[1.342,0.078]
1/1 [=====] - 0s 76ms/step
>2719, dr[0.509,0.426], df[0.398,0.109], g[1.625,0.063]
1/1 [=====] - 0s 85ms/step
>2720, dr[0.636,0.657], df[0.695,0.048], g[1.388,0.104]
1/1 [=====] - 0s 74ms/step
>2721, dr[0.549,0.560], df[0.756,0.062], g[1.446,0.114]
1/1 [=====] - 0s 76ms/step
>2722, dr[0.563,0.494], df[0.706,0.077], g[1.091,0.165]
1/1 [=====] - 0s 72ms/step
>2723, dr[0.430,0.954], df[0.562,0.097], g[1.347,0.176]
1/1 [=====] - 0s 71ms/step
>2724, dr[0.744,0.555], df[0.474,0.043], g[1.284,0.079]
1/1 [=====] - 0s 83ms/step
>2725, dr[0.535,0.664], df[0.672,0.098], g[1.242,0.114]
1/1 [=====] - 0s 78ms/step
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>2726, dr[0.372,0.440], df[0.517,0.032], g[1.320,0.110]
1/1 [=====] - 0s 78ms/step
>2727, dr[0.598,0.552], df[0.625,0.068], g[1.358,0.032]
1/1 [=====] - 0s 73ms/step
>2728, dr[0.491,0.474], df[0.472,0.030], g[1.650,0.089]
1/1 [=====] - 0s 78ms/step
>2729, dr[0.518,0.645], df[0.546,0.075], g[1.354,0.157]
1/1 [=====] - 0s 80ms/step
>2730, dr[0.547,0.482], df[0.481,0.071], g[1.290,0.073]
1/1 [=====] - 0s 73ms/step
>2731, dr[0.469,0.426], df[0.593,0.124], g[1.327,0.038]
1/1 [=====] - 0s 76ms/step
>2732, dr[0.438,0.503], df[0.518,0.042], g[1.498,0.041]
1/1 [=====] - 0s 77ms/step
>2733, dr[0.517,0.401], df[0.716,0.057], g[1.534,0.070]
1/1 [=====] - 0s 77ms/step
>2734, dr[0.588,0.717], df[0.536,0.085], g[1.408,0.136]
1/1 [=====] - 0s 72ms/step
>2735, dr[0.760,0.787], df[0.361,0.056], g[1.390,0.077]
1/1 [=====] - 0s 73ms/step
>2736, dr[0.377,0.122], df[0.738,0.111], g[1.451,0.047]
1/1 [=====] - 0s 77ms/step
>2737, dr[0.585,0.321], df[0.611,0.158], g[1.524,0.096]
1/1 [=====] - 0s 78ms/step
>2738, dr[0.600,0.757], df[0.391,0.153], g[1.233,0.077]
1/1 [=====] - 0s 79ms/step
>2739, dr[0.389,0.288], df[0.533,0.081], g[1.273,0.117]
1/1 [=====] - 0s 82ms/step
>2740, dr[0.686,0.491], df[0.594,0.028], g[1.354,0.064]
1/1 [=====] - 0s 81ms/step
>2741, dr[0.742,0.576], df[0.649,0.068], g[1.197,0.073]
1/1 [=====] - 0s 82ms/step
>2742, dr[0.526,0.556], df[0.553,0.090], g[1.405,0.074]
1/1 [=====] - 0s 79ms/step
>2743, dr[0.401,0.541], df[0.512,0.025], g[1.489,0.064]
1/1 [=====] - 0s 85ms/step
>2744, dr[0.592,0.203], df[0.654,0.089], g[1.469,0.076]
1/1 [=====] - 0s 83ms/step
>2745, dr[0.533,0.656], df[0.551,0.061], g[1.536,0.044]
1/1 [=====] - 0s 82ms/step
>2746, dr[0.560,0.703], df[0.597,0.079], g[1.341,0.159]
1/1 [=====] - 0s 77ms/step
>2747, dr[0.639,0.601], df[0.782,0.062], g[1.434,0.031]
1/1 [=====] - 0s 89ms/step
>2748, dr[0.864,0.947], df[0.673,0.013], g[1.285,0.052]
1/1 [=====] - 0s 75ms/step
>2749, dr[0.448,0.387], df[0.675,0.042], g[1.360,0.163]
1/1 [=====] - 0s 72ms/step
>2750, dr[0.577,0.804], df[0.425,0.088], g[1.446,0.152]
1/1 [=====] - 0s 71ms/step
>2751, dr[0.465,0.599], df[0.579,0.084], g[1.394,0.076]
1/1 [=====] - 0s 74ms/step
>2752, dr[0.501,0.328], df[0.554,0.056], g[1.454,0.058]
1/1 [=====] - 0s 74ms/step
>2753, dr[0.590,0.345], df[0.595,0.083], g[1.346,0.161]
1/1 [=====] - 0s 80ms/step
>2754, dr[0.380,0.491], df[0.423,0.020], g[1.606,0.043]
1/1 [=====] - 0s 84ms/step
>2755, dr[0.700,0.814], df[0.471,0.044], g[1.369,0.058]
1/1 [=====] - 0s 80ms/step
```

```
>2756, dr[0.437,0.752], df[0.730,0.098], g[1.387,0.076]
1/1 [=====] - 0s 79ms/step
>2757, dr[0.576,0.799], df[0.580,0.086], g[1.307,0.050]
1/1 [=====] - 0s 82ms/step
>2758, dr[0.690,0.360], df[0.771,0.024], g[1.131,0.143]
1/1 [=====] - 0s 78ms/step
>2759, dr[0.631,0.387], df[0.833,0.072], g[1.164,0.057]
1/1 [=====] - 0s 80ms/step
>2760, dr[0.477,0.355], df[0.499,0.025], g[1.509,0.084]
1/1 [=====] - 0s 85ms/step
>2761, dr[0.574,0.270], df[0.472,0.080], g[1.445,0.047]
1/1 [=====] - 0s 85ms/step
>2762, dr[0.599,0.603], df[0.601,0.060], g[1.683,0.066]
1/1 [=====] - 0s 79ms/step
>2763, dr[0.611,0.509], df[0.527,0.076], g[1.302,0.074]
1/1 [=====] - 0s 76ms/step
>2764, dr[0.634,0.356], df[0.759,0.070], g[1.311,0.092]
1/1 [=====] - 0s 75ms/step
>2765, dr[0.629,0.538], df[0.443,0.110], g[1.573,0.036]
1/1 [=====] - 0s 88ms/step
>2766, dr[0.590,0.755], df[0.602,0.048], g[1.193,0.121]
1/1 [=====] - 0s 71ms/step
>2767, dr[0.416,0.400], df[0.728,0.201], g[1.563,0.066]
1/1 [=====] - 0s 85ms/step
>2768, dr[0.641,0.977], df[0.437,0.046], g[1.232,0.082]
1/1 [=====] - 0s 72ms/step
>2769, dr[0.625,0.472], df[0.529,0.050], g[1.519,0.070]
1/1 [=====] - 0s 74ms/step
>2770, dr[0.497,0.521], df[0.590,0.113], g[1.319,0.053]
1/1 [=====] - 0s 73ms/step
>2771, dr[0.501,0.481], df[0.372,0.028], g[1.291,0.077]
1/1 [=====] - 0s 74ms/step
>2772, dr[0.592,0.895], df[0.629,0.082], g[1.028,0.104]
1/1 [=====] - 0s 81ms/step
>2773, dr[0.486,0.670], df[0.616,0.034], g[1.214,0.105]
1/1 [=====] - 0s 75ms/step
>2774, dr[0.664,0.540], df[0.715,0.154], g[1.258,0.048]
1/1 [=====] - 0s 79ms/step
>2775, dr[0.486,0.687], df[0.547,0.116], g[1.477,0.093]
1/1 [=====] - 0s 72ms/step
>2776, dr[0.626,0.239], df[0.486,0.078], g[1.123,0.171]
1/1 [=====] - 0s 73ms/step
>2777, dr[0.480,0.683], df[0.630,0.069], g[1.375,0.071]
1/1 [=====] - 0s 72ms/step
>2778, dr[0.679,0.616], df[0.500,0.076], g[1.478,0.091]
1/1 [=====] - 0s 75ms/step
>2779, dr[0.694,0.789], df[0.839,0.044], g[1.339,0.061]
1/1 [=====] - 0s 85ms/step
>2780, dr[0.465,0.312], df[0.590,0.039], g[1.663,0.066]
1/1 [=====] - 0s 86ms/step
>2781, dr[0.666,0.789], df[0.635,0.061], g[1.542,0.071]
1/1 [=====] - 0s 80ms/step
>2782, dr[0.505,0.712], df[0.444,0.066], g[1.478,0.057]
1/1 [=====] - 0s 77ms/step
>2783, dr[0.516,0.413], df[0.425,0.017], g[1.447,0.095]
1/1 [=====] - 0s 82ms/step
>2784, dr[0.506,0.471], df[0.386,0.116], g[1.265,0.104]
1/1 [=====] - 0s 93ms/step
>2785, dr[0.428,0.222], df[0.653,0.086], g[1.168,0.051]
1/1 [=====] - 0s 73ms/step
```

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>2786, dr[0.594,0.484], df[0.588,0.079], g[1.367,0.043]
1/1 [=====] - 0s 85ms/step
>2787, dr[0.506,0.420], df[0.666,0.157], g[1.136,0.110]
1/1 [=====] - 0s 73ms/step
>2788, dr[0.527,0.564], df[0.436,0.025], g[1.531,0.115]
1/1 [=====] - 0s 82ms/step
>2789, dr[0.678,0.402], df[0.529,0.136], g[1.028,0.066]
1/1 [=====] - 0s 71ms/step
>2790, dr[0.346,0.821], df[0.571,0.077], g[1.243,0.049]
1/1 [=====] - 0s 84ms/step
>2791, dr[0.395,0.715], df[0.624,0.080], g[1.664,0.080]
1/1 [=====] - 0s 78ms/step
>2792, dr[0.687,0.654], df[0.565,0.124], g[1.578,0.069]
1/1 [=====] - 0s 77ms/step
>2793, dr[0.631,0.334], df[0.555,0.102], g[1.468,0.059]
1/1 [=====] - 0s 78ms/step
>2794, dr[0.518,0.975], df[0.706,0.045], g[1.549,0.025]
1/1 [=====] - 0s 71ms/step
>2795, dr[0.479,0.676], df[0.353,0.119], g[1.294,0.062]
1/1 [=====] - 0s 77ms/step
>2796, dr[0.548,0.571], df[0.535,0.218], g[1.142,0.081]
1/1 [=====] - 0s 75ms/step
>2797, dr[0.536,0.405], df[0.433,0.197], g[1.505,0.061]
1/1 [=====] - 0s 70ms/step
>2798, dr[0.562,0.749], df[0.515,0.042], g[1.245,0.069]
1/1 [=====] - 0s 73ms/step
>2799, dr[0.472,0.939], df[0.745,0.089], g[1.259,0.093]
1/1 [=====] - 0s 76ms/step
>2800, dr[0.552,0.544], df[0.546,0.117], g[1.262,0.145]
1/1 [=====] - 0s 79ms/step
>2801, dr[0.496,0.889], df[0.596,0.082], g[1.269,0.120]
1/1 [=====] - 0s 73ms/step
>2802, dr[0.745,0.667], df[0.405,0.067], g[1.082,0.145]
1/1 [=====] - 0s 78ms/step
>2803, dr[0.481,0.261], df[0.415,0.045], g[1.220,0.218]
1/1 [=====] - 0s 77ms/step
>2804, dr[0.503,0.460], df[0.633,0.043], g[1.184,0.086]
1/1 [=====] - 0s 74ms/step
>2805, dr[0.513,0.308], df[0.813,0.075], g[1.229,0.082]
1/1 [=====] - 0s 79ms/step
>2806, dr[0.673,0.628], df[0.437,0.056], g[1.174,0.053]
1/1 [=====] - 0s 72ms/step
>2807, dr[0.668,0.587], df[0.587,0.108], g[1.346,0.072]
1/1 [=====] - 0s 76ms/step
>2808, dr[0.385,0.453], df[0.654,0.203], g[1.334,0.052]
1/1 [=====] - 0s 79ms/step
>2809, dr[0.668,0.606], df[0.495,0.024], g[1.432,0.138]
1/1 [=====] - 0s 80ms/step
>2810, dr[0.728,1.372], df[0.482,0.036], g[1.402,0.074]
1/1 [=====] - 0s 73ms/step
>2811, dr[0.355,0.525], df[0.454,0.094], g[1.110,0.185]
4/4 [=====] - 0s 48ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_2811.png and model_2811.h5
1/1 [=====] - 0s 83ms/step
>2812, dr[0.538,0.557], df[0.557,0.049], g[1.097,0.060]
1/1 [=====] - 0s 81ms/step
>2813, dr[0.493,0.579], df[0.710,0.110], g[1.620,0.105]
1/1 [=====] - 0s 73ms/step

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>2814, dr[0.562,0.710], df[0.732,0.076], g[1.448,0.039]
1/1 [=====] - 0s 81ms/step
>2815, dr[0.671,0.719], df[0.437,0.060], g[1.180,0.075]
1/1 [=====] - 0s 85ms/step
>2816, dr[0.672,0.808], df[0.755,0.115], g[1.275,0.078]
1/1 [=====] - 0s 89ms/step
>2817, dr[0.674,0.663], df[0.667,0.130], g[0.953,0.132]
1/1 [=====] - 0s 79ms/step
>2818, dr[0.437,0.512], df[0.733,0.062], g[1.257,0.113]
1/1 [=====] - 0s 73ms/step
>2819, dr[0.517,0.496], df[0.555,0.106], g[1.242,0.062]
1/1 [=====] - 0s 72ms/step
>2820, dr[0.569,0.649], df[0.440,0.053], g[1.492,0.074]
1/1 [=====] - 0s 80ms/step
>2821, dr[0.602,0.306], df[0.567,0.096], g[1.156,0.093]
1/1 [=====] - 0s 73ms/step
>2822, dr[0.575,0.450], df[0.676,0.049], g[1.312,0.032]
1/1 [=====] - 0s 84ms/step
>2823, dr[0.418,0.693], df[0.650,0.059], g[1.373,0.112]
1/1 [=====] - 0s 72ms/step
>2824, dr[0.404,0.463], df[0.477,0.039], g[1.623,0.046]
1/1 [=====] - 0s 77ms/step
>2825, dr[0.736,0.881], df[0.506,0.086], g[1.296,0.123]
1/1 [=====] - 0s 72ms/step
>2826, dr[0.619,0.770], df[0.582,0.026], g[1.210,0.111]
1/1 [=====] - 0s 104ms/step
>2827, dr[0.517,0.834], df[0.581,0.122], g[1.174,0.070]
1/1 [=====] - 0s 78ms/step
>2828, dr[0.391,0.479], df[0.644,0.063], g[1.259,0.139]
1/1 [=====] - 0s 72ms/step
>2829, dr[0.546,0.566], df[0.721,0.097], g[1.438,0.046]
1/1 [=====] - 0s 82ms/step
>2830, dr[0.672,0.530], df[0.474,0.029], g[1.424,0.089]
1/1 [=====] - 0s 72ms/step
>2831, dr[0.771,0.370], df[0.598,0.300], g[1.243,0.053]
1/1 [=====] - 0s 81ms/step
>2832, dr[0.410,0.415], df[0.476,0.095], g[1.350,0.052]
1/1 [=====] - 0s 74ms/step
>2833, dr[0.527,0.279], df[0.596,0.051], g[1.211,0.070]
1/1 [=====] - 0s 75ms/step
>2834, dr[0.607,0.258], df[0.724,0.152], g[1.108,0.097]
1/1 [=====] - 0s 72ms/step
>2835, dr[0.559,0.887], df[0.516,0.197], g[1.409,0.146]
1/1 [=====] - 0s 74ms/step
>2836, dr[0.615,0.684], df[0.611,0.131], g[1.082,0.071]
1/1 [=====] - 0s 80ms/step
>2837, dr[0.504,0.390], df[0.582,0.065], g[1.158,0.147]
1/1 [=====] - 0s 74ms/step
>2838, dr[0.520,0.582], df[0.539,0.144], g[1.243,0.084]
1/1 [=====] - 0s 77ms/step
>2839, dr[0.535,0.655], df[0.577,0.106], g[1.306,0.095]
1/1 [=====] - 0s 71ms/step
>2840, dr[0.604,0.664], df[0.578,0.111], g[1.279,0.080]
1/1 [=====] - 0s 74ms/step
>2841, dr[0.742,0.388], df[0.778,0.041], g[1.426,0.076]
1/1 [=====] - 0s 77ms/step
>2842, dr[0.475,0.902], df[0.536,0.107], g[1.511,0.062]
1/1 [=====] - 0s 72ms/step
>2843, dr[0.565,0.521], df[0.410,0.061], g[1.567,0.039]
1/1 [=====] - 0s 77ms/step
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>2844, dr[0.621,0.486], df[0.508,0.210], g[1.294,0.170]
1/1 [=====] - 0s 73ms/step
>2845, dr[0.456,0.323], df[0.773,0.051], g[1.434,0.018]
1/1 [=====] - 0s 76ms/step
>2846, dr[0.640,0.872], df[0.521,0.047], g[1.428,0.041]
1/1 [=====] - 0s 75ms/step
>2847, dr[0.579,0.578], df[0.582,0.107], g[1.457,0.099]
1/1 [=====] - 0s 77ms/step
>2848, dr[0.503,0.717], df[0.618,0.050], g[1.173,0.084]
1/1 [=====] - 0s 73ms/step
>2849, dr[0.602,0.384], df[0.675,0.088], g[1.422,0.098]
1/1 [=====] - 0s 77ms/step
>2850, dr[0.648,0.655], df[0.437,0.047], g[1.386,0.076]
1/1 [=====] - 0s 76ms/step
>2851, dr[0.548,1.000], df[0.652,0.044], g[1.359,0.102]
1/1 [=====] - 0s 73ms/step
>2852, dr[0.548,0.598], df[0.533,0.030], g[1.443,0.040]
1/1 [=====] - 0s 83ms/step
>2853, dr[0.958,0.968], df[0.691,0.038], g[1.171,0.064]
1/1 [=====] - 0s 78ms/step
>2854, dr[0.536,0.655], df[0.691,0.035], g[1.196,0.028]
1/1 [=====] - 0s 80ms/step
>2855, dr[0.396,0.948], df[0.463,0.100], g[1.394,0.071]
1/1 [=====] - 0s 72ms/step
>2856, dr[0.662,0.398], df[0.715,0.108], g[1.297,0.070]
1/1 [=====] - 0s 79ms/step
>2857, dr[0.474,0.871], df[0.625,0.027], g[1.349,0.045]
1/1 [=====] - 0s 73ms/step
>2858, dr[0.432,0.604], df[0.627,0.073], g[1.536,0.060]
1/1 [=====] - 0s 72ms/step
>2859, dr[0.694,0.792], df[0.539,0.017], g[1.466,0.043]
1/1 [=====] - 0s 76ms/step
>2860, dr[0.538,0.502], df[0.547,0.031], g[1.181,0.162]
1/1 [=====] - 0s 73ms/step
>2861, dr[0.343,0.667], df[0.519,0.082], g[1.451,0.180]
1/1 [=====] - 0s 78ms/step
>2862, dr[0.582,0.910], df[0.516,0.031], g[1.385,0.097]
1/1 [=====] - 0s 74ms/step
>2863, dr[0.605,0.724], df[0.513,0.028], g[1.483,0.094]
1/1 [=====] - 0s 85ms/step
>2864, dr[0.605,1.313], df[0.484,0.132], g[1.362,0.124]
1/1 [=====] - 0s 74ms/step
>2865, dr[0.597,0.801], df[0.562,0.044], g[1.334,0.051]
1/1 [=====] - 0s 81ms/step
>2866, dr[0.397,0.498], df[0.604,0.025], g[1.339,0.066]
1/1 [=====] - 0s 72ms/step
>2867, dr[0.709,0.718], df[0.551,0.057], g[1.394,0.066]
1/1 [=====] - 0s 74ms/step
>2868, dr[0.838,0.669], df[0.746,0.062], g[1.123,0.092]
1/1 [=====] - 0s 78ms/step
>2869, dr[0.467,0.775], df[0.797,0.389], g[1.639,0.137]
1/1 [=====] - 0s 73ms/step
>2870, dr[0.509,0.473], df[0.740,0.179], g[1.607,0.103]
1/1 [=====] - 0s 80ms/step
>2871, dr[0.513,0.957], df[0.553,0.037], g[1.720,0.061]
1/1 [=====] - 0s 90ms/step
>2872, dr[0.647,0.259], df[0.628,0.039], g[1.633,0.092]
1/1 [=====] - 0s 73ms/step
>2873, dr[0.725,0.499], df[0.366,0.078], g[1.387,0.064]
1/1 [=====] - 0s 86ms/step
```

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>2874, dr[0.661,0.529], df[0.606,0.031], g[1.347,0.029]
1/1 [=====] - 0s 80ms/step
>2875, dr[0.543,0.486], df[0.641,0.096], g[1.313,0.053]
1/1 [=====] - 0s 90ms/step
>2876, dr[0.586,0.397], df[0.445,0.079], g[1.341,0.088]
1/1 [=====] - 0s 82ms/step
>2877, dr[0.782,0.782], df[0.838,0.034], g[1.078,0.117]
1/1 [=====] - 0s 75ms/step
>2878, dr[0.415,0.395], df[0.667,0.038], g[1.212,0.050]
1/1 [=====] - 0s 80ms/step
>2879, dr[0.734,0.386], df[0.600,0.028], g[1.314,0.056]
1/1 [=====] - 0s 81ms/step
>2880, dr[0.425,0.434], df[0.578,0.041], g[1.312,0.215]
1/1 [=====] - 0s 83ms/step
>2881, dr[0.628,0.680], df[0.643,0.055], g[1.481,0.181]
1/1 [=====] - 0s 74ms/step
>2882, dr[0.622,0.331], df[0.486,0.128], g[1.441,0.059]
1/1 [=====] - 0s 74ms/step
>2883, dr[0.528,0.903], df[0.833,0.029], g[1.618,0.061]
1/1 [=====] - 0s 82ms/step
>2884, dr[0.626,0.525], df[0.606,0.100], g[1.524,0.106]
1/1 [=====] - 0s 70ms/step
>2885, dr[0.618,0.704], df[0.489,0.086], g[1.536,0.079]
1/1 [=====] - 0s 75ms/step
>2886, dr[0.498,0.748], df[0.605,0.071], g[1.563,0.126]
1/1 [=====] - 0s 72ms/step
>2887, dr[0.907,0.771], df[0.370,0.145], g[1.507,0.137]
1/1 [=====] - 0s 83ms/step
>2888, dr[0.671,0.644], df[0.577,0.087], g[1.150,0.044]
1/1 [=====] - 0s 73ms/step
>2889, dr[0.590,0.711], df[0.769,0.068], g[1.166,0.142]
1/1 [=====] - 0s 79ms/step
>2890, dr[0.298,0.570], df[0.470,0.047], g[1.467,0.135]
1/1 [=====] - 0s 75ms/step
>2891, dr[0.543,0.493], df[0.656,0.098], g[1.416,0.059]
1/1 [=====] - 0s 75ms/step
>2892, dr[0.479,0.565], df[0.421,0.183], g[1.190,0.162]
1/1 [=====] - 0s 80ms/step
>2893, dr[0.509,0.452], df[0.462,0.063], g[1.328,0.073]
1/1 [=====] - 0s 72ms/step
>2894, dr[0.658,0.369], df[0.580,0.027], g[1.322,0.114]
1/1 [=====] - 0s 79ms/step
>2895, dr[0.418,0.356], df[0.549,0.153], g[1.525,0.221]
1/1 [=====] - 0s 73ms/step
>2896, dr[0.615,0.405], df[0.654,0.045], g[1.259,0.067]
1/1 [=====] - 0s 75ms/step
>2897, dr[0.441,0.358], df[0.534,0.119], g[1.536,0.085]
1/1 [=====] - 0s 71ms/step
>2898, dr[0.620,0.526], df[0.328,0.068], g[1.142,0.076]
1/1 [=====] - 0s 73ms/step
>2899, dr[0.568,0.873], df[0.650,0.103], g[1.244,0.103]
1/1 [=====] - 0s 78ms/step
>2900, dr[0.552,0.717], df[0.621,0.045], g[1.298,0.076]
1/1 [=====] - 0s 75ms/step
>2901, dr[0.656,0.355], df[0.588,0.108], g[1.456,0.091]
1/1 [=====] - 0s 82ms/step
>2902, dr[0.545,0.376], df[0.558,0.039], g[1.279,0.117]
1/1 [=====] - 0s 73ms/step
>2903, dr[0.642,0.653], df[0.633,0.039], g[1.406,0.050]
1/1 [=====] - 0s 83ms/step
```

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>2904, dr[0.610,0.179], df[0.700,0.060], g[1.516,0.114]
1/1 [=====] - 0s 74ms/step
>2905, dr[0.677,1.235], df[0.468,0.035], g[1.178,0.043]
1/1 [=====] - 0s 72ms/step
>2906, dr[0.424,0.587], df[0.538,0.042], g[1.268,0.087]
1/1 [=====] - 0s 75ms/step
>2907, dr[0.451,0.461], df[0.733,0.244], g[1.491,0.094]
1/1 [=====] - 0s 86ms/step
>2908, dr[0.503,0.266], df[0.474,0.105], g[1.546,0.102]
1/1 [=====] - 0s 77ms/step
>2909, dr[0.620,0.417], df[0.371,0.062], g[1.457,0.059]
1/1 [=====] - 0s 72ms/step
>2910, dr[0.491,0.250], df[0.454,0.039], g[1.298,0.191]
1/1 [=====] - 0s 81ms/step
>2911, dr[0.598,0.527], df[0.616,0.078], g[1.151,0.085]
1/1 [=====] - 0s 74ms/step
>2912, dr[0.393,0.672], df[0.513,0.056], g[1.528,0.053]
1/1 [=====] - 0s 77ms/step
>2913, dr[0.671,1.026], df[0.418,0.023], g[1.195,0.112]
1/1 [=====] - 0s 73ms/step
>2914, dr[0.344,0.352], df[0.587,0.057], g[1.532,0.118]
1/1 [=====] - 0s 73ms/step
>2915, dr[0.544,0.541], df[0.414,0.048], g[1.212,0.142]
1/1 [=====] - 0s 72ms/step
>2916, dr[0.630,0.494], df[0.631,0.061], g[1.339,0.108]
1/1 [=====] - 0s 74ms/step
>2917, dr[0.539,0.388], df[0.613,0.029], g[1.452,0.084]
1/1 [=====] - 0s 82ms/step
>2918, dr[0.411,0.431], df[0.519,0.042], g[1.190,0.063]
1/1 [=====] - 0s 71ms/step
>2919, dr[0.722,0.516], df[0.826,0.093], g[1.261,0.055]
1/1 [=====] - 0s 77ms/step
>2920, dr[0.653,1.079], df[0.556,0.032], g[1.044,0.097]
1/1 [=====] - 0s 74ms/step
>2921, dr[0.487,0.673], df[0.703,0.047], g[1.217,0.053]
1/1 [=====] - 0s 77ms/step
>2922, dr[0.594,0.322], df[0.565,0.120], g[1.344,0.099]
1/1 [=====] - 0s 81ms/step
>2923, dr[0.490,0.645], df[0.407,0.063], g[1.210,0.065]
1/1 [=====] - 0s 73ms/step
>2924, dr[0.564,0.531], df[0.564,0.219], g[1.254,0.141]
1/1 [=====] - 0s 84ms/step
>2925, dr[0.439,0.350], df[0.607,0.134], g[1.565,0.032]
1/1 [=====] - 0s 76ms/step
>2926, dr[0.670,0.514], df[0.534,0.085], g[1.316,0.080]
1/1 [=====] - 0s 78ms/step
>2927, dr[0.605,0.298], df[0.604,0.027], g[1.239,0.136]
1/1 [=====] - 0s 71ms/step
>2928, dr[0.618,0.504], df[0.824,0.071], g[1.333,0.086]
1/1 [=====] - 0s 71ms/step
>2929, dr[0.572,0.605], df[0.350,0.032], g[1.268,0.108]
1/1 [=====] - 0s 72ms/step
>2930, dr[0.433,0.336], df[0.404,0.151], g[1.343,0.109]
1/1 [=====] - 0s 74ms/step
>2931, dr[0.503,0.478], df[0.682,0.068], g[1.331,0.063]
1/1 [=====] - 0s 79ms/step
>2932, dr[0.519,0.409], df[0.579,0.071], g[1.571,0.097]
1/1 [=====] - 0s 77ms/step
>2933, dr[0.521,0.543], df[0.391,0.086], g[1.149,0.056]
1/1 [=====] - 0s 80ms/step
```

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>2934, dr[0.579,0.368], df[0.700,0.062], g[1.352,0.064]
1/1 [=====] - 0s 73ms/step
>2935, dr[0.528,0.847], df[0.401,0.059], g[1.232,0.072]
1/1 [=====] - 0s 74ms/step
>2936, dr[0.436,0.589], df[0.595,0.021], g[1.143,0.067]
1/1 [=====] - 0s 74ms/step
>2937, dr[0.502,0.595], df[0.388,0.120], g[1.171,0.097]
1/1 [=====] - 0s 72ms/step
>2938, dr[0.558,0.474], df[0.477,0.027], g[1.294,0.175]
1/1 [=====] - 0s 78ms/step
>2939, dr[0.475,0.301], df[0.453,0.057], g[1.305,0.055]
1/1 [=====] - 0s 80ms/step
>2940, dr[0.411,0.707], df[0.520,0.052], g[1.572,0.053]
1/1 [=====] - 0s 78ms/step
>2941, dr[0.546,0.336], df[0.506,0.063], g[1.331,0.091]
1/1 [=====] - 0s 73ms/step
>2942, dr[0.667,0.387], df[0.583,0.082], g[1.096,0.064]
1/1 [=====] - 0s 80ms/step
>2943, dr[0.458,0.447], df[0.566,0.082], g[1.069,0.110]
1/1 [=====] - 0s 86ms/step
>2944, dr[0.473,0.334], df[0.712,0.158], g[1.363,0.088]
1/1 [=====] - 0s 73ms/step
>2945, dr[0.579,0.889], df[0.440,0.042], g[1.498,0.057]
1/1 [=====] - 0s 91ms/step
>2946, dr[0.441,0.274], df[0.548,0.102], g[1.330,0.057]
1/1 [=====] - 0s 82ms/step
>2947, dr[0.628,0.661], df[0.631,0.044], g[1.360,0.114]
1/1 [=====] - 0s 79ms/step
>2948, dr[0.588,0.610], df[0.545,0.114], g[1.335,0.108]
1/1 [=====] - 0s 95ms/step
>2949, dr[0.599,0.266], df[0.659,0.109], g[1.273,0.151]
1/1 [=====] - 0s 90ms/step
>2950, dr[0.682,0.339], df[0.539,0.102], g[1.401,0.147]
1/1 [=====] - 0s 90ms/step
>2951, dr[0.400,0.569], df[0.516,0.110], g[1.294,0.021]
1/1 [=====] - 0s 91ms/step
>2952, dr[0.549,0.434], df[0.418,0.049], g[1.292,0.048]
1/1 [=====] - 0s 87ms/step
>2953, dr[0.405,0.812], df[0.539,0.093], g[1.560,0.047]
1/1 [=====] - 0s 93ms/step
>2954, dr[0.659,0.474], df[0.677,0.061], g[1.189,0.158]
1/1 [=====] - 0s 85ms/step
>2955, dr[0.515,0.092], df[0.594,0.097], g[1.366,0.150]
1/1 [=====] - 0s 85ms/step
>2956, dr[0.678,0.421], df[0.742,0.120], g[1.510,0.033]
1/1 [=====] - 0s 106ms/step
>2957, dr[0.682,0.337], df[0.578,0.065], g[1.664,0.060]
1/1 [=====] - 0s 76ms/step
>2958, dr[0.579,0.434], df[0.430,0.025], g[1.169,0.118]
1/1 [=====] - 0s 88ms/step
>2959, dr[0.528,0.522], df[0.750,0.061], g[1.329,0.103]
1/1 [=====] - 0s 95ms/step
>2960, dr[0.564,0.528], df[0.458,0.021], g[1.125,0.089]
1/1 [=====] - 0s 93ms/step
>2961, dr[0.745,0.302], df[0.617,0.031], g[1.300,0.103]
1/1 [=====] - 0s 89ms/step
>2962, dr[0.640,0.594], df[0.739,0.103], g[1.210,0.073]
1/1 [=====] - 0s 89ms/step
>2963, dr[0.489,0.299], df[0.633,0.060], g[1.288,0.166]
1/1 [=====] - 0s 86ms/step
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>2964, dr[0.482,0.536], df[0.444,0.057], g[1.294,0.062]
1/1 [=====] - 0s 81ms/step
>2965, dr[0.554,0.927], df[0.584,0.052], g[1.496,0.075]
1/1 [=====] - 0s 84ms/step
>2966, dr[0.620,0.823], df[0.345,0.051], g[1.143,0.039]
1/1 [=====] - 0s 75ms/step
>2967, dr[0.670,0.529], df[0.790,0.137], g[1.225,0.104]
1/1 [=====] - 0s 85ms/step
>2968, dr[0.500,0.742], df[0.648,0.080], g[1.315,0.086]
1/1 [=====] - 0s 78ms/step
>2969, dr[0.651,0.494], df[0.493,0.101], g[1.111,0.075]
1/1 [=====] - 0s 75ms/step
>2970, dr[0.750,0.568], df[0.575,0.119], g[1.248,0.072]
1/1 [=====] - 0s 75ms/step
>2971, dr[0.355,0.207], df[0.543,0.049], g[1.323,0.059]
1/1 [=====] - 0s 78ms/step
>2972, dr[0.521,0.677], df[0.631,0.090], g[1.295,0.060]
1/1 [=====] - 0s 102ms/step
>2973, dr[0.510,0.776], df[0.647,0.031], g[1.323,0.082]
1/1 [=====] - 0s 85ms/step
>2974, dr[0.759,0.522], df[0.527,0.200], g[1.330,0.083]
1/1 [=====] - 0s 85ms/step
>2975, dr[0.448,0.566], df[0.523,0.182], g[1.167,0.173]
1/1 [=====] - 0s 78ms/step
>2976, dr[0.421,0.813], df[0.522,0.083], g[1.120,0.107]
1/1 [=====] - 0s 74ms/step
>2977, dr[0.484,0.366], df[0.495,0.087], g[1.715,0.058]
1/1 [=====] - 0s 83ms/step
>2978, dr[0.492,0.382], df[0.561,0.055], g[1.491,0.099]
1/1 [=====] - 0s 73ms/step
>2979, dr[0.664,0.478], df[0.596,0.032], g[1.500,0.040]
1/1 [=====] - 0s 77ms/step
>2980, dr[0.735,0.675], df[0.729,0.048], g[1.404,0.077]
1/1 [=====] - 0s 75ms/step
>2981, dr[0.714,0.378], df[0.665,0.051], g[1.400,0.116]
1/1 [=====] - 0s 73ms/step
>2982, dr[0.769,0.442], df[0.604,0.069], g[1.254,0.088]
1/1 [=====] - 0s 77ms/step
>2983, dr[0.459,0.658], df[0.568,0.047], g[1.406,0.063]
1/1 [=====] - 0s 73ms/step
>2984, dr[0.639,0.539], df[0.694,0.025], g[1.468,0.051]
1/1 [=====] - 0s 79ms/step
>2985, dr[0.609,0.895], df[0.593,0.119], g[1.374,0.104]
1/1 [=====] - 0s 75ms/step
>2986, dr[0.612,0.448], df[0.524,0.060], g[1.375,0.057]
1/1 [=====] - 0s 76ms/step
>2987, dr[0.518,0.394], df[0.507,0.039], g[1.244,0.036]
1/1 [=====] - 0s 71ms/step
>2988, dr[0.531,0.731], df[0.559,0.078], g[1.223,0.031]
1/1 [=====] - 0s 72ms/step
>2989, dr[0.423,0.619], df[0.690,0.052], g[1.420,0.080]
1/1 [=====] - 0s 80ms/step
>2990, dr[0.563,0.416], df[0.441,0.084], g[1.229,0.037]
1/1 [=====] - 0s 73ms/step
>2991, dr[0.520,1.078], df[0.407,0.017], g[1.158,0.116]
1/1 [=====] - 0s 89ms/step
>2992, dr[0.624,0.468], df[0.916,0.051], g[1.140,0.050]
1/1 [=====] - 0s 76ms/step
>2993, dr[0.640,0.285], df[0.520,0.026], g[1.190,0.087]
1/1 [=====] - 0s 75ms/step
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>2994, dr[0.554,0.308], df[0.702,0.127], g[1.140,0.123]
1/1 [=====] - 0s 73ms/step
>2995, dr[0.491,0.772], df[0.624,0.152], g[1.327,0.195]
1/1 [=====] - 0s 74ms/step
>2996, dr[0.795,0.313], df[0.570,0.102], g[1.039,0.090]
1/1 [=====] - 0s 75ms/step
>2997, dr[0.608,0.528], df[0.819,0.020], g[1.351,0.079]
1/1 [=====] - 0s 74ms/step
>2998, dr[0.663,0.612], df[0.590,0.056], g[1.169,0.182]
1/1 [=====] - 0s 78ms/step
>2999, dr[0.458,0.833], df[0.542,0.073], g[1.474,0.062]
1/1 [=====] - 0s 75ms/step
>3000, dr[0.561,0.739], df[0.560,0.052], g[1.462,0.083]
1/1 [=====] - 0s 79ms/step
>3001, dr[0.515,0.761], df[0.562,0.074], g[1.438,0.105]
1/1 [=====] - 0s 73ms/step
>3002, dr[0.674,0.646], df[0.583,0.041], g[1.392,0.053]
1/1 [=====] - 0s 73ms/step
>3003, dr[0.435,0.145], df[0.545,0.082], g[1.547,0.045]
1/1 [=====] - 0s 75ms/step
>3004, dr[0.824,0.782], df[0.450,0.056], g[1.048,0.090]
1/1 [=====] - 0s 73ms/step
>3005, dr[0.503,0.717], df[0.558,0.101], g[1.057,0.033]
1/1 [=====] - 0s 94ms/step
>3006, dr[0.545,0.733], df[0.590,0.032], g[1.013,0.087]
1/1 [=====] - 0s 86ms/step
>3007, dr[0.523,0.423], df[0.709,0.179], g[1.137,0.093]
1/1 [=====] - 0s 73ms/step
>3008, dr[0.642,0.393], df[0.548,0.072], g[1.330,0.082]
1/1 [=====] - 0s 94ms/step
>3009, dr[0.455,0.283], df[0.642,0.069], g[1.193,0.054]
1/1 [=====] - 0s 75ms/step
>3010, dr[0.566,0.492], df[0.798,0.032], g[1.408,0.093]
1/1 [=====] - 0s 79ms/step
>3011, dr[0.674,0.674], df[0.742,0.059], g[1.346,0.092]
1/1 [=====] - 0s 73ms/step
>3012, dr[0.634,0.742], df[0.663,0.105], g[1.458,0.050]
1/1 [=====] - 0s 74ms/step
>3013, dr[0.597,0.559], df[0.457,0.067], g[1.375,0.097]
1/1 [=====] - 0s 73ms/step
>3014, dr[0.498,0.390], df[0.611,0.123], g[1.224,0.055]
1/1 [=====] - 0s 76ms/step
>3015, dr[0.486,0.599], df[0.578,0.065], g[1.452,0.071]
1/1 [=====] - 0s 80ms/step
>3016, dr[0.548,0.737], df[0.537,0.109], g[1.489,0.071]
1/1 [=====] - 0s 72ms/step
>3017, dr[0.654,0.386], df[0.434,0.155], g[1.451,0.082]
1/1 [=====] - 0s 77ms/step
>3018, dr[0.620,0.427], df[0.687,0.072], g[1.127,0.057]
1/1 [=====] - 0s 77ms/step
>3019, dr[0.413,0.639], df[0.370,0.029], g[1.282,0.045]
1/1 [=====] - 0s 79ms/step
>3020, dr[0.560,0.302], df[0.613,0.116], g[1.045,0.079]
1/1 [=====] - 0s 75ms/step
>3021, dr[0.462,0.457], df[0.609,0.045], g[1.287,0.112]
1/1 [=====] - 0s 82ms/step
>3022, dr[0.632,0.594], df[0.555,0.071], g[1.304,0.083]
1/1 [=====] - 0s 82ms/step
>3023, dr[0.478,0.300], df[0.636,0.124], g[1.194,0.217]
1/1 [=====] - 0s 76ms/step
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>3024, dr[0.577,0.257], df[0.722,0.042], g[1.425,0.036]
1/1 [=====] - 0s 78ms/step
>3025, dr[0.558,0.582], df[0.807,0.046], g[1.309,0.069]
1/1 [=====] - 0s 74ms/step
>3026, dr[0.698,0.473], df[0.486,0.031], g[1.413,0.098]
1/1 [=====] - 0s 79ms/step
>3027, dr[0.660,0.334], df[0.639,0.062], g[1.742,0.073]
1/1 [=====] - 0s 74ms/step
>3028, dr[0.533,0.480], df[0.546,0.116], g[1.362,0.054]
1/1 [=====] - 0s 71ms/step
>3029, dr[0.644,0.550], df[0.588,0.054], g[1.240,0.115]
1/1 [=====] - 0s 73ms/step
>3030, dr[0.719,0.224], df[0.387,0.029], g[1.118,0.106]
1/1 [=====] - 0s 74ms/step
>3031, dr[0.377,0.844], df[0.736,0.088], g[1.205,0.096]
1/1 [=====] - 0s 79ms/step
>3032, dr[0.712,0.896], df[0.659,0.095], g[1.185,0.106]
1/1 [=====] - 0s 76ms/step
>3033, dr[0.536,0.703], df[0.624,0.061], g[1.224,0.053]
1/1 [=====] - 0s 79ms/step
>3034, dr[0.552,0.493], df[0.679,0.118], g[1.359,0.075]
1/1 [=====] - 0s 73ms/step
>3035, dr[0.406,0.597], df[0.544,0.149], g[1.408,0.089]
1/1 [=====] - 0s 72ms/step
>3036, dr[0.566,0.574], df[0.515,0.065], g[1.428,0.027]
1/1 [=====] - 0s 76ms/step
>3037, dr[0.697,0.620], df[0.503,0.044], g[1.526,0.113]
1/1 [=====] - 0s 74ms/step
>3038, dr[0.546,0.488], df[0.628,0.050], g[1.335,0.073]
1/1 [=====] - 0s 84ms/step
>3039, dr[0.452,0.476], df[0.553,0.125], g[1.307,0.062]
1/1 [=====] - 0s 74ms/step
>3040, dr[0.641,0.696], df[0.458,0.023], g[1.211,0.096]
1/1 [=====] - 0s 79ms/step
>3041, dr[0.541,0.533], df[0.513,0.129], g[1.300,0.100]
1/1 [=====] - 0s 74ms/step
>3042, dr[0.592,0.626], df[0.571,0.041], g[1.367,0.060]
1/1 [=====] - 0s 73ms/step
>3043, dr[0.695,0.324], df[0.561,0.028], g[0.957,0.072]
1/1 [=====] - 0s 73ms/step
>3044, dr[0.430,0.140], df[0.547,0.182], g[1.362,0.038]
1/1 [=====] - 0s 72ms/step
>3045, dr[0.531,0.348], df[0.540,0.084], g[1.053,0.036]
1/1 [=====] - 0s 81ms/step
>3046, dr[0.531,0.699], df[0.651,0.103], g[1.185,0.065]
1/1 [=====] - 0s 72ms/step
>3047, dr[0.501,0.379], df[0.645,0.067], g[1.404,0.047]
1/1 [=====] - 0s 77ms/step
>3048, dr[0.851,0.837], df[0.591,0.091], g[1.408,0.090]
1/1 [=====] - 0s 80ms/step
>3049, dr[0.516,0.690], df[0.479,0.047], g[1.376,0.113]
1/1 [=====] - 0s 73ms/step
>3050, dr[0.546,0.526], df[0.705,0.017], g[1.065,0.068]
1/1 [=====] - 0s 74ms/step
>3051, dr[0.430,0.343], df[0.620,0.044], g[1.430,0.036]
1/1 [=====] - 0s 72ms/step
>3052, dr[0.556,0.512], df[0.525,0.026], g[1.387,0.108]
1/1 [=====] - 0s 82ms/step
>3053, dr[0.541,0.340], df[0.364,0.011], g[1.439,0.045]
1/1 [=====] - 0s 77ms/step
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>3054, dr[0.564,0.286], df[0.486,0.056], g[1.484,0.031]
1/1 [=====] - 0s 78ms/step
>3055, dr[0.588,0.402], df[0.598,0.050], g[1.352,0.095]
1/1 [=====] - 0s 73ms/step
>3056, dr[0.636,0.456], df[0.574,0.119], g[1.374,0.088]
1/1 [=====] - 0s 79ms/step
>3057, dr[0.506,0.686], df[0.680,0.091], g[1.445,0.052]
1/1 [=====] - 0s 75ms/step
>3058, dr[0.480,0.783], df[0.592,0.040], g[1.373,0.049]
1/1 [=====] - 0s 72ms/step
>3059, dr[0.792,0.634], df[0.590,0.037], g[1.340,0.160]
1/1 [=====] - 0s 76ms/step
>3060, dr[0.625,0.664], df[0.513,0.193], g[1.069,0.111]
1/1 [=====] - 0s 72ms/step
>3061, dr[0.719,0.700], df[0.763,0.057], g[1.119,0.045]
1/1 [=====] - 0s 77ms/step
>3062, dr[0.470,0.892], df[0.587,0.100], g[1.311,0.034]
1/1 [=====] - 0s 72ms/step
>3063, dr[0.601,1.205], df[0.737,0.149], g[1.173,0.076]
1/1 [=====] - 0s 78ms/step
>3064, dr[0.617,0.474], df[0.413,0.047], g[1.130,0.044]
1/1 [=====] - 0s 72ms/step
>3065, dr[0.476,0.485], df[0.679,0.081], g[1.311,0.060]
1/1 [=====] - 0s 76ms/step
>3066, dr[0.777,0.513], df[0.605,0.054], g[1.286,0.083]
1/1 [=====] - 0s 90ms/step
>3067, dr[0.462,0.500], df[0.703,0.092], g[1.361,0.088]
1/1 [=====] - 0s 83ms/step
>3068, dr[0.544,0.208], df[0.721,0.142], g[1.533,0.084]
1/1 [=====] - 0s 91ms/step
>3069, dr[0.457,0.145], df[0.448,0.126], g[1.800,0.061]
1/1 [=====] - 0s 103ms/step
>3070, dr[0.643,0.709], df[0.695,0.082], g[1.376,0.040]
1/1 [=====] - 0s 85ms/step
>3071, dr[0.537,0.443], df[0.691,0.153], g[1.703,0.066]
1/1 [=====] - 0s 74ms/step
>3072, dr[0.645,0.606], df[0.645,0.107], g[1.595,0.108]
1/1 [=====] - 0s 111ms/step
>3073, dr[0.557,0.275], df[0.438,0.130], g[1.654,0.051]
1/1 [=====] - 0s 129ms/step
>3074, dr[0.592,0.433], df[0.519,0.083], g[1.449,0.069]
1/1 [=====] - 0s 90ms/step
>3075, dr[0.533,0.431], df[0.577,0.104], g[1.238,0.068]
1/1 [=====] - 0s 85ms/step
>3076, dr[0.780,1.050], df[0.697,0.083], g[1.107,0.094]
1/1 [=====] - 0s 95ms/step
>3077, dr[0.437,0.519], df[0.468,0.075], g[1.392,0.089]
1/1 [=====] - 0s 78ms/step
>3078, dr[0.781,0.784], df[0.667,0.060], g[1.032,0.054]
1/1 [=====] - 0s 79ms/step
>3079, dr[0.496,0.787], df[0.762,0.039], g[1.168,0.146]
1/1 [=====] - 0s 101ms/step
>3080, dr[0.571,0.649], df[0.667,0.136], g[1.204,0.124]
1/1 [=====] - 0s 79ms/step
>3081, dr[0.454,0.501], df[0.469,0.061], g[1.426,0.037]
1/1 [=====] - 0s 88ms/step
>3082, dr[0.640,0.842], df[0.617,0.103], g[1.295,0.088]
1/1 [=====] - 0s 81ms/step
>3083, dr[0.719,0.495], df[0.502,0.084], g[1.229,0.114]
1/1 [=====] - 0s 72ms/step
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>3084, dr[0.581,0.861], df[0.685,0.077], g[1.187,0.059]
1/1 [=====] - 0s 75ms/step
>3085, dr[0.471,0.609], df[0.448,0.105], g[1.113,0.067]
1/1 [=====] - 0s 78ms/step
>3086, dr[0.495,0.542], df[0.638,0.152], g[1.280,0.102]
1/1 [=====] - 0s 72ms/step
>3087, dr[0.570,0.944], df[0.509,0.044], g[1.225,0.080]
1/1 [=====] - 0s 74ms/step
>3088, dr[0.645,0.536], df[0.714,0.082], g[1.285,0.102]
1/1 [=====] - 0s 72ms/step
>3089, dr[0.429,0.588], df[0.517,0.035], g[1.090,0.081]
1/1 [=====] - 0s 80ms/step
>3090, dr[0.555,0.415], df[0.506,0.017], g[1.192,0.106]
1/1 [=====] - 0s 74ms/step
>3091, dr[0.483,0.573], df[0.565,0.037], g[1.234,0.061]
1/1 [=====] - 0s 80ms/step
>3092, dr[0.655,0.310], df[0.598,0.129], g[1.203,0.096]
1/1 [=====] - 0s 74ms/step
>3093, dr[0.595,0.544], df[0.650,0.028], g[1.090,0.110]
1/1 [=====] - 0s 72ms/step
>3094, dr[0.645,0.573], df[0.655,0.068], g[1.229,0.072]
1/1 [=====] - 0s 78ms/step
>3095, dr[0.582,0.849], df[0.507,0.140], g[1.352,0.105]
1/1 [=====] - 0s 75ms/step
>3096, dr[0.503,0.568], df[0.455,0.100], g[1.124,0.149]
1/1 [=====] - 0s 79ms/step
>3097, dr[0.607,0.812], df[0.925,0.040], g[1.189,0.102]
1/1 [=====] - 0s 73ms/step
>3098, dr[0.468,0.700], df[0.568,0.132], g[1.589,0.087]
1/1 [=====] - 0s 79ms/step
>3099, dr[0.597,0.278], df[0.536,0.041], g[1.439,0.179]
1/1 [=====] - 0s 74ms/step
>3100, dr[0.473,0.445], df[0.410,0.028], g[1.446,0.068]
1/1 [=====] - 0s 84ms/step
>3101, dr[0.535,0.374], df[0.641,0.146], g[1.406,0.091]
1/1 [=====] - 0s 76ms/step
>3102, dr[0.530,0.500], df[0.568,0.039], g[1.231,0.079]
1/1 [=====] - 0s 73ms/step
>3103, dr[0.615,0.536], df[0.379,0.055], g[1.153,0.035]
1/1 [=====] - 0s 80ms/step
>3104, dr[0.787,0.411], df[0.519,0.035], g[1.248,0.047]
1/1 [=====] - 0s 73ms/step
>3105, dr[0.443,0.594], df[0.636,0.163], g[1.078,0.035]
1/1 [=====] - 0s 77ms/step
>3106, dr[0.560,0.565], df[0.545,0.062], g[1.176,0.073]
1/1 [=====] - 0s 73ms/step
>3107, dr[0.447,0.608], df[0.612,0.020], g[1.310,0.088]
1/1 [=====] - 0s 79ms/step
>3108, dr[0.516,0.959], df[0.525,0.061], g[1.298,0.082]
1/1 [=====] - 0s 73ms/step
>3109, dr[0.465,0.215], df[0.541,0.081], g[1.234,0.084]
1/1 [=====] - 0s 73ms/step
>3110, dr[0.583,0.328], df[0.534,0.035], g[1.248,0.070]
1/1 [=====] - 0s 73ms/step
>3111, dr[0.483,0.649], df[0.625,0.061], g[1.542,0.162]
1/1 [=====] - 0s 73ms/step
>3112, dr[0.552,0.634], df[0.524,0.069], g[1.431,0.083]
1/1 [=====] - 0s 81ms/step
>3113, dr[0.699,0.472], df[0.484,0.074], g[1.265,0.126]
1/1 [=====] - 0s 73ms/step
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>3114, dr[0.629,0.648], df[0.489,0.180], g[1.248,0.078]
1/1 [=====] - 0s 78ms/step
>3115, dr[0.427,0.590], df[0.608,0.137], g[1.190,0.052]
1/1 [=====] - 0s 73ms/step
>3116, dr[0.449,0.700], df[0.559,0.037], g[1.418,0.057]
1/1 [=====] - 0s 73ms/step
>3117, dr[0.679,0.461], df[0.550,0.124], g[1.337,0.152]
1/1 [=====] - 0s 73ms/step
>3118, dr[0.509,0.388], df[0.633,0.082], g[1.324,0.071]
1/1 [=====] - 0s 74ms/step
>3119, dr[0.664,0.419], df[0.670,0.103], g[1.525,0.076]
1/1 [=====] - 0s 85ms/step
>3120, dr[0.671,0.357], df[0.561,0.098], g[1.486,0.047]
1/1 [=====] - 0s 73ms/step
>3121, dr[0.717,1.149], df[0.583,0.042], g[1.226,0.027]
1/1 [=====] - 0s 79ms/step
>3122, dr[0.573,0.874], df[0.686,0.065], g[1.098,0.032]
1/1 [=====] - 0s 81ms/step
>3123, dr[0.727,0.818], df[0.730,0.062], g[1.131,0.075]
1/1 [=====] - 0s 73ms/step
>3124, dr[0.436,0.381], df[0.650,0.141], g[1.271,0.063]
1/1 [=====] - 0s 79ms/step
>3125, dr[0.546,0.467], df[0.594,0.032], g[1.322,0.040]
1/1 [=====] - 0s 73ms/step
>3126, dr[0.745,0.534], df[0.436,0.156], g[1.118,0.080]
1/1 [=====] - 0s 91ms/step
>3127, dr[0.466,0.620], df[0.473,0.049], g[1.037,0.107]
1/1 [=====] - 0s 76ms/step
>3128, dr[0.557,0.279], df[0.767,0.089], g[1.166,0.150]
1/1 [=====] - 0s 75ms/step
>3129, dr[0.443,0.453], df[0.437,0.034], g[1.161,0.104]
1/1 [=====] - 0s 77ms/step
>3130, dr[0.557,0.634], df[0.483,0.070], g[1.322,0.101]
1/1 [=====] - 0s 78ms/step
>3131, dr[0.730,0.617], df[0.572,0.043], g[1.093,0.102]
1/1 [=====] - 0s 81ms/step
>3132, dr[0.560,0.786], df[0.765,0.226], g[1.309,0.058]
1/1 [=====] - 0s 83ms/step
>3133, dr[0.547,1.116], df[0.725,0.092], g[1.309,0.114]
1/1 [=====] - 0s 79ms/step
>3134, dr[0.792,0.552], df[0.560,0.220], g[1.271,0.065]
1/1 [=====] - 0s 74ms/step
>3135, dr[0.564,0.334], df[0.569,0.042], g[1.237,0.049]
1/1 [=====] - 0s 74ms/step
>3136, dr[0.515,0.662], df[0.641,0.108], g[1.412,0.043]
1/1 [=====] - 0s 78ms/step
>3137, dr[0.909,0.591], df[0.626,0.048], g[1.116,0.077]
1/1 [=====] - 0s 72ms/step
>3138, dr[0.553,0.496], df[0.472,0.037], g[1.017,0.071]
1/1 [=====] - 0s 77ms/step
>3139, dr[0.364,0.681], df[0.671,0.090], g[1.353,0.072]
1/1 [=====] - 0s 73ms/step
>3140, dr[0.618,0.992], df[0.603,0.106], g[1.284,0.061]
1/1 [=====] - 0s 79ms/step
>3141, dr[0.684,0.499], df[0.465,0.078], g[1.146,0.106]
1/1 [=====] - 0s 74ms/step
>3142, dr[0.473,0.293], df[0.500,0.027], g[1.243,0.066]
1/1 [=====] - 0s 72ms/step
>3143, dr[0.479,0.688], df[0.560,0.126], g[1.449,0.097]
1/1 [=====] - 0s 74ms/step
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>3144, dr[0.535,0.690], df[0.611,0.079], g[1.303,0.048]
1/1 [=====] - 0s 74ms/step
>3145, dr[0.549,0.471], df[0.560,0.081], g[1.358,0.096]
1/1 [=====] - 0s 80ms/step
>3146, dr[0.550,0.453], df[0.515,0.045], g[1.168,0.092]
1/1 [=====] - 0s 73ms/step
>3147, dr[0.511,0.563], df[0.669,0.095], g[1.261,0.068]
1/1 [=====] - 0s 84ms/step
>3148, dr[0.595,0.472], df[0.459,0.108], g[1.306,0.089]
1/1 [=====] - 0s 73ms/step
>3149, dr[0.616,0.407], df[0.577,0.064], g[1.325,0.086]
1/1 [=====] - 0s 73ms/step
>3150, dr[0.558,0.686], df[0.637,0.148], g[1.224,0.120]
1/1 [=====] - 0s 76ms/step
>3151, dr[0.849,0.551], df[0.734,0.059], g[1.362,0.067]
1/1 [=====] - 0s 73ms/step
>3152, dr[0.674,0.823], df[0.455,0.030], g[1.316,0.053]
1/1 [=====] - 0s 78ms/step
>3153, dr[0.600,0.684], df[0.738,0.086], g[1.009,0.110]
1/1 [=====] - 0s 75ms/step
>3154, dr[0.478,0.557], df[0.534,0.060], g[1.149,0.057]
1/1 [=====] - 0s 81ms/step
>3155, dr[0.588,0.227], df[0.525,0.076], g[1.335,0.034]
1/1 [=====] - 0s 75ms/step
>3156, dr[0.395,0.444], df[0.553,0.102], g[1.278,0.074]
1/1 [=====] - 0s 77ms/step
>3157, dr[0.588,0.702], df[0.523,0.104], g[1.598,0.045]
1/1 [=====] - 0s 80ms/step
>3158, dr[0.711,0.909], df[0.623,0.145], g[1.160,0.156]
1/1 [=====] - 0s 75ms/step
>3159, dr[0.521,0.649], df[0.496,0.147], g[1.159,0.078]
1/1 [=====] - 0s 84ms/step
>3160, dr[0.444,0.447], df[0.622,0.072], g[1.181,0.099]
1/1 [=====] - 0s 80ms/step
>3161, dr[0.607,0.845], df[0.742,0.110], g[1.347,0.050]
1/1 [=====] - 0s 82ms/step
>3162, dr[0.583,0.488], df[0.467,0.040], g[1.194,0.073]
1/1 [=====] - 0s 80ms/step
>3163, dr[0.504,0.430], df[0.531,0.035], g[1.491,0.080]
1/1 [=====] - 0s 79ms/step
>3164, dr[0.487,0.544], df[0.552,0.087], g[1.308,0.067]
1/1 [=====] - 0s 82ms/step
>3165, dr[0.477,0.527], df[0.635,0.088], g[1.363,0.090]
1/1 [=====] - 0s 79ms/step
>3166, dr[0.609,1.138], df[0.486,0.044], g[1.156,0.126]
1/1 [=====] - 0s 76ms/step
>3167, dr[0.599,0.609], df[0.618,0.181], g[1.274,0.058]
1/1 [=====] - 0s 74ms/step
>3168, dr[0.533,0.865], df[0.515,0.188], g[1.123,0.131]
1/1 [=====] - 0s 73ms/step
>3169, dr[0.565,0.836], df[0.708,0.194], g[1.221,0.073]
1/1 [=====] - 0s 82ms/step
>3170, dr[0.586,0.674], df[0.554,0.048], g[1.305,0.071]
1/1 [=====] - 0s 74ms/step
>3171, dr[0.648,0.780], df[0.596,0.061], g[1.189,0.061]
1/1 [=====] - 0s 84ms/step
>3172, dr[0.452,0.299], df[0.473,0.086], g[1.185,0.105]
1/1 [=====] - 0s 73ms/step
>3173, dr[0.586,0.649], df[0.560,0.019], g[1.177,0.118]
1/1 [=====] - 0s 79ms/step
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>3174, dr[0.584,0.822], df[0.609,0.086], g[1.195,0.106]
1/1 [=====] - 0s 87ms/step
>3175, dr[0.445,0.368], df[0.824,0.147], g[1.397,0.067]
1/1 [=====] - 0s 88ms/step
>3176, dr[0.429,0.841], df[0.435,0.130], g[1.260,0.047]
1/1 [=====] - 0s 78ms/step
>3177, dr[0.628,0.508], df[0.493,0.098], g[1.324,0.076]
1/1 [=====] - 0s 82ms/step
>3178, dr[0.581,0.585], df[0.499,0.080], g[1.352,0.079]
1/1 [=====] - 0s 79ms/step
>3179, dr[0.649,0.281], df[0.516,0.067], g[1.150,0.111]
1/1 [=====] - 0s 85ms/step
>3180, dr[0.483,0.839], df[0.484,0.098], g[1.050,0.087]
1/1 [=====] - 0s 87ms/step
>3181, dr[0.609,0.903], df[0.619,0.063], g[1.033,0.088]
1/1 [=====] - 0s 78ms/step
>3182, dr[0.872,0.692], df[0.689,0.062], g[1.149,0.182]
1/1 [=====] - 0s 83ms/step
>3183, dr[0.436,0.379], df[0.663,0.115], g[1.236,0.072]
1/1 [=====] - 0s 77ms/step
>3184, dr[0.541,0.442], df[0.508,0.095], g[1.267,0.070]
1/1 [=====] - 0s 80ms/step
>3185, dr[0.511,0.503], df[0.519,0.052], g[1.229,0.075]
1/1 [=====] - 0s 88ms/step
>3186, dr[0.525,0.889], df[0.718,0.018], g[1.328,0.173]
1/1 [=====] - 0s 82ms/step
>3187, dr[0.669,0.473], df[0.543,0.091], g[1.326,0.052]
1/1 [=====] - 0s 84ms/step
>3188, dr[0.662,0.777], df[0.570,0.146], g[1.317,0.058]
1/1 [=====] - 0s 78ms/step
>3189, dr[0.562,0.273], df[0.576,0.108], g[1.274,0.076]
1/1 [=====] - 0s 87ms/step
>3190, dr[0.585,1.089], df[0.776,0.105], g[1.209,0.070]
1/1 [=====] - 0s 78ms/step
>3191, dr[0.505,0.710], df[0.461,0.200], g[1.256,0.062]
1/1 [=====] - 0s 82ms/step
>3192, dr[0.594,0.824], df[0.515,0.085], g[1.269,0.058]
1/1 [=====] - 0s 94ms/step
>3193, dr[0.610,0.405], df[0.636,0.077], g[1.198,0.039]
1/1 [=====] - 0s 91ms/step
>3194, dr[0.513,0.201], df[0.548,0.043], g[1.180,0.034]
1/1 [=====] - 0s 82ms/step
>3195, dr[0.472,0.501], df[0.487,0.050], g[1.231,0.081]
1/1 [=====] - 0s 90ms/step
>3196, dr[0.454,0.252], df[0.477,0.037], g[1.151,0.026]
1/1 [=====] - 0s 85ms/step
>3197, dr[0.605,0.385], df[0.644,0.018], g[1.170,0.040]
1/1 [=====] - 0s 85ms/step
>3198, dr[0.569,0.352], df[0.664,0.102], g[1.215,0.052]
1/1 [=====] - 0s 84ms/step
>3199, dr[0.572,0.486], df[0.579,0.043], g[1.240,0.033]
1/1 [=====] - 0s 82ms/step
>3200, dr[0.508,0.309], df[0.676,0.068], g[1.398,0.057]
1/1 [=====] - 0s 97ms/step
>3201, dr[0.667,0.626], df[0.550,0.034], g[1.528,0.037]
1/1 [=====] - 0s 93ms/step
>3202, dr[0.697,0.588], df[0.527,0.069], g[1.164,0.068]
1/1 [=====] - 0s 90ms/step
>3203, dr[0.771,0.427], df[0.574,0.111], g[1.045,0.141]
1/1 [=====] - 0s 83ms/step
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>3204, dr[0.409,0.718], df[0.742,0.013], g[1.122,0.109]
1/1 [=====] - 0s 81ms/step
>3205, dr[0.513,0.785], df[0.483,0.075], g[1.318,0.112]
1/1 [=====] - 0s 86ms/step
>3206, dr[0.524,0.705], df[0.464,0.043], g[1.091,0.088]
1/1 [=====] - 0s 81ms/step
>3207, dr[0.675,0.394], df[0.575,0.099], g[1.022,0.087]
1/1 [=====] - 0s 83ms/step
>3208, dr[0.306,0.725], df[0.719,0.062], g[1.266,0.099]
1/1 [=====] - 0s 91ms/step
>3209, dr[0.501,0.499], df[0.573,0.044], g[1.438,0.041]
1/1 [=====] - 0s 80ms/step
>3210, dr[0.665,0.286], df[0.444,0.025], g[1.267,0.040]
1/1 [=====] - 0s 81ms/step
>3211, dr[0.570,1.030], df[0.709,0.090], g[1.413,0.065]
1/1 [=====] - 0s 81ms/step
>3212, dr[0.429,0.635], df[0.419,0.045], g[1.533,0.053]
1/1 [=====] - 0s 79ms/step
>3213, dr[0.647,0.853], df[0.495,0.044], g[1.322,0.085]
1/1 [=====] - 0s 74ms/step
>3214, dr[0.722,0.427], df[0.490,0.030], g[1.132,0.053]
1/1 [=====] - 0s 85ms/step
>3215, dr[0.442,0.421], df[0.619,0.135], g[1.309,0.047]
1/1 [=====] - 0s 80ms/step
>3216, dr[0.449,0.420], df[0.553,0.110], g[1.129,0.074]
1/1 [=====] - 0s 96ms/step
>3217, dr[0.580,0.300], df[0.730,0.082], g[1.257,0.052]
1/1 [=====] - 0s 77ms/step
>3218, dr[0.651,0.527], df[0.497,0.039], g[1.428,0.092]
1/1 [=====] - 0s 75ms/step
>3219, dr[0.637,0.594], df[0.454,0.036], g[1.049,0.053]
1/1 [=====] - 0s 81ms/step
>3220, dr[0.412,0.463], df[0.519,0.034], g[1.259,0.049]
1/1 [=====] - 0s 85ms/step
>3221, dr[0.586,0.528], df[0.571,0.098], g[1.119,0.060]
1/1 [=====] - 0s 76ms/step
>3222, dr[0.511,0.509], df[0.603,0.111], g[1.275,0.021]
1/1 [=====] - 0s 73ms/step
>3223, dr[0.439,0.550], df[0.696,0.025], g[1.310,0.033]
1/1 [=====] - 0s 94ms/step
>3224, dr[0.594,0.521], df[0.533,0.094], g[1.193,0.153]
1/1 [=====] - 0s 81ms/step
>3225, dr[0.511,0.739], df[0.460,0.022], g[1.038,0.050]
1/1 [=====] - 0s 81ms/step
>3226, dr[0.649,0.616], df[0.916,0.051], g[1.286,0.042]
1/1 [=====] - 0s 77ms/step
>3227, dr[0.417,0.627], df[0.373,0.047], g[1.363,0.102]
1/1 [=====] - 0s 83ms/step
>3228, dr[0.474,0.745], df[0.673,0.081], g[1.339,0.063]
1/1 [=====] - 0s 76ms/step
>3229, dr[0.482,0.398], df[0.316,0.031], g[1.341,0.114]
1/1 [=====] - 0s 77ms/step
>3230, dr[0.512,0.332], df[0.584,0.065], g[1.389,0.093]
1/1 [=====] - 0s 73ms/step
>3231, dr[0.484,0.511], df[0.453,0.031], g[1.238,0.056]
1/1 [=====] - 0s 78ms/step
>3232, dr[0.830,0.989], df[0.533,0.051], g[1.078,0.191]
1/1 [=====] - 0s 71ms/step
>3233, dr[0.506,0.516], df[0.461,0.125], g[1.098,0.124]
1/1 [=====] - 0s 73ms/step
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>3234, dr[0.454,0.624], df[0.655,0.067], g[1.272,0.112]
1/1 [=====] - 0s 78ms/step
>3235, dr[0.499,0.702], df[0.588,0.053], g[1.059,0.108]
1/1 [=====] - 0s 73ms/step
>3236, dr[0.518,0.952], df[0.668,0.087], g[1.132,0.131]
1/1 [=====] - 0s 82ms/step
>3237, dr[0.648,0.843], df[0.555,0.042], g[1.358,0.058]
1/1 [=====] - 0s 83ms/step
>3238, dr[0.593,0.452], df[0.535,0.104], g[1.282,0.146]
1/1 [=====] - 0s 72ms/step
>3239, dr[0.618,0.943], df[0.780,0.091], g[1.249,0.053]
1/1 [=====] - 0s 77ms/step
>3240, dr[0.638,0.734], df[0.651,0.032], g[1.407,0.137]
1/1 [=====] - 0s 80ms/step
>3241, dr[0.579,0.843], df[0.424,0.089], g[1.281,0.150]
1/1 [=====] - 0s 77ms/step
>3242, dr[0.478,0.515], df[0.476,0.035], g[1.061,0.134]
1/1 [=====] - 0s 80ms/step
>3243, dr[0.496,0.350], df[0.433,0.024], g[0.938,0.053]
1/1 [=====] - 0s 80ms/step
>3244, dr[0.461,0.839], df[0.649,0.054], g[1.254,0.106]
1/1 [=====] - 0s 78ms/step
>3245, dr[0.628,0.798], df[0.626,0.030], g[1.037,0.070]
1/1 [=====] - 0s 78ms/step
>3246, dr[0.525,0.487], df[0.743,0.054], g[1.192,0.024]
1/1 [=====] - 0s 78ms/step
>3247, dr[0.585,0.478], df[0.660,0.138], g[1.196,0.053]
1/1 [=====] - 0s 73ms/step
>3248, dr[0.310,0.606], df[0.475,0.023], g[1.609,0.071]
1/1 [=====] - 0s 74ms/step
>3249, dr[0.674,0.562], df[0.604,0.043], g[1.288,0.069]
1/1 [=====] - 0s 87ms/step
>3250, dr[0.732,0.660], df[0.609,0.084], g[1.368,0.030]
1/1 [=====] - 0s 78ms/step
>3251, dr[0.639,0.476], df[0.664,0.035], g[1.368,0.027]
1/1 [=====] - 0s 73ms/step
>3252, dr[0.474,1.000], df[0.496,0.084], g[1.391,0.035]
1/1 [=====] - 0s 77ms/step
>3253, dr[0.705,0.689], df[0.743,0.067], g[1.126,0.039]
1/1 [=====] - 0s 84ms/step
>3254, dr[0.566,0.487], df[0.541,0.088], g[1.385,0.109]
1/1 [=====] - 0s 86ms/step
>3255, dr[0.448,0.525], df[0.396,0.046], g[1.131,0.154]
1/1 [=====] - 0s 83ms/step
>3256, dr[0.448,0.582], df[0.578,0.118], g[1.278,0.047]
1/1 [=====] - 0s 76ms/step
>3257, dr[0.551,0.486], df[0.649,0.081], g[1.219,0.152]
1/1 [=====] - 0s 87ms/step
>3258, dr[0.641,0.620], df[0.432,0.095], g[1.117,0.035]
1/1 [=====] - 0s 78ms/step
>3259, dr[0.498,0.637], df[0.713,0.088], g[0.996,0.067]
1/1 [=====] - 0s 79ms/step
>3260, dr[0.615,0.641], df[0.564,0.074], g[1.275,0.075]
1/1 [=====] - 0s 78ms/step
>3261, dr[0.478,0.654], df[0.570,0.192], g[1.152,0.053]
1/1 [=====] - 0s 72ms/step
>3262, dr[0.567,0.560], df[0.573,0.035], g[1.061,0.077]
1/1 [=====] - 0s 83ms/step
>3263, dr[0.565,0.316], df[0.571,0.066], g[1.241,0.099]
1/1 [=====] - 0s 73ms/step
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>3264, dr[0.858,0.796], df[0.481,0.034], g[0.925,0.136]
1/1 [=====] - 0s 74ms/step
>3265, dr[0.482,1.057], df[0.654,0.384], g[1.111,0.079]
1/1 [=====] - 0s 88ms/step
>3266, dr[0.609,0.803], df[0.686,0.029], g[1.243,0.102]
1/1 [=====] - 0s 84ms/step
>3267, dr[0.562,0.649], df[0.649,0.116], g[1.207,0.060]
1/1 [=====] - 0s 91ms/step
>3268, dr[0.372,0.738], df[0.612,0.023], g[1.421,0.125]
1/1 [=====] - 0s 84ms/step
>3269, dr[0.583,0.505], df[0.456,0.071], g[1.304,0.108]
1/1 [=====] - 0s 82ms/step
>3270, dr[0.559,0.500], df[0.632,0.072], g[1.297,0.065]
1/1 [=====] - 0s 81ms/step
>3271, dr[0.597,0.294], df[0.734,0.131], g[1.384,0.042]
1/1 [=====] - 0s 75ms/step
>3272, dr[0.604,0.648], df[0.504,0.104], g[1.301,0.164]
1/1 [=====] - 0s 74ms/step
>3273, dr[0.578,0.715], df[0.516,0.029], g[1.148,0.087]
1/1 [=====] - 0s 73ms/step
>3274, dr[0.591,0.325], df[0.628,0.067], g[1.110,0.112]
1/1 [=====] - 0s 74ms/step
>3275, dr[0.555,0.830], df[1.023,0.144], g[1.272,0.036]
1/1 [=====] - 0s 78ms/step
>3276, dr[0.605,0.576], df[0.426,0.132], g[1.415,0.057]
1/1 [=====] - 0s 72ms/step
>3277, dr[0.680,1.058], df[0.713,0.112], g[1.355,0.066]
1/1 [=====] - 0s 84ms/step
>3278, dr[0.583,0.586], df[0.501,0.078], g[1.468,0.037]
1/1 [=====] - 0s 80ms/step
>3279, dr[0.544,0.406], df[0.695,0.128], g[1.431,0.057]
1/1 [=====] - 0s 73ms/step
>3280, dr[0.695,0.391], df[0.554,0.058], g[1.307,0.183]
1/1 [=====] - 0s 78ms/step
>3281, dr[0.672,0.787], df[0.522,0.055], g[1.380,0.041]
1/1 [=====] - 0s 77ms/step
>3282, dr[0.737,0.658], df[0.591,0.074], g[0.807,0.079]
1/1 [=====] - 0s 79ms/step
>3283, dr[0.705,1.156], df[0.566,0.052], g[1.084,0.061]
1/1 [=====] - 0s 74ms/step
>3284, dr[0.372,0.695], df[0.717,0.030], g[1.090,0.072]
1/1 [=====] - 0s 74ms/step
>3285, dr[0.522,0.361], df[0.592,0.136], g[1.178,0.144]
1/1 [=====] - 0s 74ms/step
>3286, dr[0.672,0.458], df[0.484,0.053], g[1.099,0.101]
1/1 [=====] - 0s 81ms/step
>3287, dr[0.717,1.451], df[0.694,0.142], g[0.981,0.060]
1/1 [=====] - 0s 81ms/step
>3288, dr[0.408,0.470], df[0.558,0.042], g[1.320,0.053]
1/1 [=====] - 0s 79ms/step
>3289, dr[0.626,0.573], df[0.691,0.032], g[1.502,0.038]
1/1 [=====] - 0s 88ms/step
>3290, dr[0.718,0.607], df[0.645,0.142], g[1.306,0.064]
1/1 [=====] - 0s 75ms/step
>3291, dr[0.589,1.054], df[0.561,0.041], g[1.346,0.041]
1/1 [=====] - 0s 76ms/step
>3292, dr[0.560,0.772], df[0.562,0.084], g[1.237,0.063]
1/1 [=====] - 0s 87ms/step
>3293, dr[0.580,1.202], df[0.599,0.064], g[1.166,0.126]
1/1 [=====] - 0s 83ms/step
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>3294, dr[0.487,0.501], df[0.485,0.048], g[1.221,0.073]
1/1 [=====] - 0s 79ms/step
>3295, dr[0.769,0.783], df[0.709,0.134], g[1.199,0.043]
1/1 [=====] - 0s 76ms/step
>3296, dr[0.706,0.510], df[0.620,0.066], g[1.035,0.071]
1/1 [=====] - 0s 72ms/step
>3297, dr[0.689,0.593], df[0.597,0.057], g[0.950,0.046]
1/1 [=====] - 0s 74ms/step
>3298, dr[0.421,0.804], df[0.480,0.028], g[1.418,0.060]
1/1 [=====] - 0s 88ms/step
>3299, dr[0.544,0.667], df[0.663,0.034], g[1.418,0.073]
1/1 [=====] - 0s 78ms/step
>3300, dr[0.575,0.520], df[0.501,0.069], g[1.302,0.098]
1/1 [=====] - 0s 77ms/step
>3301, dr[0.721,0.296], df[0.608,0.014], g[1.025,0.052]
1/1 [=====] - 0s 74ms/step
>3302, dr[0.599,0.786], df[0.795,0.059], g[1.215,0.059]
1/1 [=====] - 0s 74ms/step
>3303, dr[0.530,0.434], df[0.614,0.090], g[1.422,0.067]
1/1 [=====] - 0s 78ms/step
>3304, dr[0.623,0.846], df[0.587,0.060], g[1.351,0.074]
1/1 [=====] - 0s 74ms/step
>3305, dr[0.645,0.563], df[0.645,0.059], g[1.277,0.059]
1/1 [=====] - 0s 78ms/step
>3306, dr[0.624,0.378], df[0.536,0.116], g[1.304,0.063]
1/1 [=====] - 0s 74ms/step
>3307, dr[0.625,0.452], df[0.709,0.067], g[1.283,0.092]
1/1 [=====] - 0s 79ms/step
>3308, dr[0.591,0.439], df[0.514,0.036], g[1.107,0.059]
1/1 [=====] - 0s 74ms/step
>3309, dr[0.698,0.788], df[0.542,0.040], g[1.263,0.112]
1/1 [=====] - 0s 73ms/step
>3310, dr[0.483,0.439], df[0.881,0.032], g[1.294,0.298]
1/1 [=====] - 0s 78ms/step
>3311, dr[0.482,0.275], df[0.480,0.213], g[1.508,0.101]
1/1 [=====] - 0s 73ms/step
>3312, dr[0.558,0.502], df[0.566,0.035], g[1.234,0.070]
1/1 [=====] - 0s 79ms/step
>3313, dr[0.593,0.694], df[0.609,0.075], g[1.193,0.091]
1/1 [=====] - 0s 76ms/step
>3314, dr[0.570,0.320], df[0.387,0.093], g[1.203,0.112]
1/1 [=====] - 0s 73ms/step
>3315, dr[0.537,0.284], df[0.605,0.233], g[1.274,0.090]
1/1 [=====] - 0s 75ms/step
>3316, dr[0.596,0.326], df[0.508,0.058], g[1.227,0.179]
1/1 [=====] - 0s 72ms/step
>3317, dr[0.433,0.321], df[0.642,0.105], g[1.256,0.073]
1/1 [=====] - 0s 78ms/step
>3318, dr[0.601,0.772], df[0.581,0.096], g[1.493,0.038]
1/1 [=====] - 0s 79ms/step
>3319, dr[0.605,0.719], df[0.428,0.027], g[1.224,0.065]
1/1 [=====] - 0s 81ms/step
>3320, dr[0.463,0.882], df[0.570,0.047], g[1.178,0.093]
1/1 [=====] - 0s 74ms/step
>3321, dr[0.580,0.507], df[0.410,0.054], g[1.122,0.132]
1/1 [=====] - 0s 76ms/step
>3322, dr[0.462,0.694], df[0.768,0.098], g[1.244,0.047]
1/1 [=====] - 0s 75ms/step
>3323, dr[0.629,0.387], df[0.721,0.169], g[1.208,0.034]
1/1 [=====] - 0s 75ms/step
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>3324, dr[0.539,0.710], df[0.879,0.065], g[1.532,0.040]
1/1 [=====] - 0s 78ms/step
>3325, dr[0.712,1.012], df[0.608,0.039], g[1.501,0.034]
1/1 [=====] - 0s 80ms/step
>3326, dr[0.555,0.572], df[0.660,0.107], g[1.281,0.032]
1/1 [=====] - 0s 77ms/step
>3327, dr[0.580,0.456], df[0.425,0.145], g[1.393,0.060]
1/1 [=====] - 0s 74ms/step
>3328, dr[0.585,0.435], df[0.422,0.030], g[1.248,0.143]
1/1 [=====] - 0s 73ms/step
>3329, dr[0.595,0.618], df[0.652,0.075], g[1.112,0.048]
1/1 [=====] - 0s 86ms/step
>3330, dr[0.755,0.374], df[0.577,0.067], g[1.269,0.126]
1/1 [=====] - 0s 77ms/step
>3331, dr[0.363,0.388], df[0.644,0.069], g[1.306,0.102]
1/1 [=====] - 0s 83ms/step
>3332, dr[0.532,0.657], df[0.599,0.044], g[1.422,0.046]
1/1 [=====] - 0s 72ms/step
>3333, dr[0.529,0.561], df[0.497,0.236], g[1.327,0.073]
1/1 [=====] - 0s 73ms/step
>3334, dr[0.891,0.380], df[0.491,0.019], g[1.289,0.070]
1/1 [=====] - 0s 75ms/step
>3335, dr[0.599,0.218], df[0.849,0.147], g[1.235,0.112]
1/1 [=====] - 0s 73ms/step
>3336, dr[0.521,0.317], df[0.406,0.037], g[1.430,0.035]
1/1 [=====] - 0s 81ms/step
>3337, dr[0.470,0.584], df[0.709,0.059], g[1.106,0.047]
1/1 [=====] - 0s 80ms/step
>3338, dr[0.558,0.845], df[0.474,0.049], g[1.040,0.121]
1/1 [=====] - 0s 81ms/step
>3339, dr[0.465,0.643], df[0.866,0.129], g[1.183,0.191]
1/1 [=====] - 0s 78ms/step
>3340, dr[0.589,0.720], df[0.442,0.101], g[1.268,0.048]
1/1 [=====] - 0s 73ms/step
>3341, dr[0.748,0.293], df[0.586,0.027], g[1.090,0.082]
1/1 [=====] - 0s 78ms/step
>3342, dr[0.492,0.745], df[0.488,0.038], g[1.175,0.033]
1/1 [=====] - 0s 74ms/step
>3343, dr[0.617,0.545], df[0.605,0.090], g[1.105,0.107]
1/1 [=====] - 0s 78ms/step
>3344, dr[0.441,0.414], df[0.634,0.146], g[1.166,0.071]
1/1 [=====] - 0s 87ms/step
>3345, dr[0.556,0.830], df[0.442,0.097], g[1.177,0.089]
1/1 [=====] - 0s 80ms/step
>3346, dr[0.709,0.634], df[0.672,0.056], g[1.148,0.042]
1/1 [=====] - 0s 78ms/step
>3347, dr[0.520,0.366], df[0.636,0.107], g[1.029,0.163]
1/1 [=====] - 0s 78ms/step
>3348, dr[0.642,1.002], df[0.648,0.039], g[0.924,0.110]
1/1 [=====] - 0s 79ms/step
>3349, dr[0.525,0.524], df[0.558,0.032], g[1.031,0.115]
1/1 [=====] - 0s 74ms/step
>3350, dr[0.544,0.818], df[0.665,0.060], g[1.158,0.058]
1/1 [=====] - 0s 83ms/step
>3351, dr[0.750,0.588], df[0.660,0.027], g[1.138,0.045]
1/1 [=====] - 0s 75ms/step
>3352, dr[0.499,0.574], df[0.478,0.028], g[0.933,0.112]
1/1 [=====] - 0s 75ms/step
>3353, dr[0.540,0.257], df[0.679,0.046], g[1.060,0.049]
1/1 [=====] - 0s 76ms/step
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>3354, dr[0.471,0.442], df[0.644,0.071], g[1.170,0.096]
1/1 [=====] - 0s 74ms/step
>3355, dr[0.659,0.376], df[0.617,0.064], g[1.485,0.043]
1/1 [=====] - 0s 79ms/step
>3356, dr[0.564,0.365], df[0.533,0.146], g[1.207,0.049]
1/1 [=====] - 0s 75ms/step
>3357, dr[0.505,0.319], df[0.438,0.060], g[1.185,0.082]
1/1 [=====] - 0s 86ms/step
>3358, dr[0.516,0.454], df[0.574,0.047], g[1.336,0.068]
1/1 [=====] - 0s 73ms/step
>3359, dr[0.597,0.691], df[0.502,0.067], g[1.064,0.056]
1/1 [=====] - 0s 78ms/step
>3360, dr[0.580,0.278], df[0.596,0.122], g[1.206,0.110]
1/1 [=====] - 0s 75ms/step
>3361, dr[0.575,0.520], df[0.539,0.087], g[1.205,0.049]
1/1 [=====] - 0s 74ms/step
>3362, dr[0.407,0.551], df[0.613,0.056], g[1.406,0.059]
1/1 [=====] - 0s 81ms/step
>3363, dr[0.556,0.625], df[0.554,0.090], g[1.444,0.105]
1/1 [=====] - 0s 75ms/step
>3364, dr[0.478,0.227], df[0.622,0.074], g[1.414,0.091]
1/1 [=====] - 0s 77ms/step
>3365, dr[0.638,0.568], df[0.642,0.054], g[1.281,0.119]
1/1 [=====] - 0s 72ms/step
>3366, dr[0.392,0.547], df[0.397,0.070], g[1.477,0.083]
1/1 [=====] - 0s 75ms/step
>3367, dr[0.669,0.324], df[0.524,0.156], g[1.096,0.087]
1/1 [=====] - 0s 98ms/step
>3368, dr[0.666,0.571], df[0.638,0.039], g[1.122,0.123]
1/1 [=====] - 0s 90ms/step
>3369, dr[0.452,0.910], df[0.560,0.072], g[1.219,0.120]
1/1 [=====] - 0s 90ms/step
>3370, dr[0.623,0.549], df[0.512,0.033], g[1.203,0.078]
1/1 [=====] - 0s 101ms/step
>3371, dr[0.514,0.584], df[0.508,0.057], g[1.124,0.067]
1/1 [=====] - 0s 95ms/step
>3372, dr[0.679,0.268], df[0.589,0.073], g[1.042,0.124]
1/1 [=====] - 0s 91ms/step
>3373, dr[0.406,0.684], df[0.696,0.169], g[1.083,0.141]
1/1 [=====] - 0s 105ms/step
>3374, dr[0.429,0.427], df[0.632,0.406], g[1.191,0.067]
1/1 [=====] - 0s 89ms/step
>3375, dr[0.677,0.322], df[0.580,0.027], g[1.166,0.201]
1/1 [=====] - 0s 94ms/step
>3376, dr[0.613,0.244], df[0.761,0.136], g[1.262,0.076]
1/1 [=====] - 0s 120ms/step
>3377, dr[0.680,0.537], df[0.530,0.080], g[1.171,0.039]
1/1 [=====] - 0s 105ms/step
>3378, dr[0.647,0.280], df[0.740,0.049], g[1.220,0.123]
1/1 [=====] - 0s 96ms/step
>3379, dr[0.813,0.738], df[0.524,0.071], g[1.234,0.055]
1/1 [=====] - 0s 98ms/step
>3380, dr[0.541,0.550], df[0.484,0.039], g[1.188,0.047]
1/1 [=====] - 0s 99ms/step
>3381, dr[0.425,0.527], df[0.622,0.090], g[1.198,0.097]
1/1 [=====] - 0s 91ms/step
>3382, dr[0.665,0.522], df[0.576,0.061], g[1.146,0.085]
1/1 [=====] - 0s 107ms/step
>3383, dr[0.420,0.260], df[0.563,0.102], g[1.344,0.062]
1/1 [=====] - 0s 93ms/step
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>3384, dr[0.555,0.322], df[0.707,0.247], g[1.258,0.082]
1/1 [=====] - 0s 100ms/step
>3385, dr[0.601,0.615], df[0.563,0.142], g[1.360,0.060]
1/1 [=====] - 0s 89ms/step
>3386, dr[0.593,0.539], df[0.416,0.188], g[1.220,0.081]
1/1 [=====] - 0s 76ms/step
>3387, dr[0.571,0.662], df[0.632,0.106], g[1.164,0.086]
1/1 [=====] - 0s 83ms/step
>3388, dr[0.613,0.319], df[0.763,0.065], g[1.465,0.048]
1/1 [=====] - 0s 83ms/step
>3389, dr[0.731,0.894], df[0.540,0.089], g[1.346,0.032]
1/1 [=====] - 0s 81ms/step
>3390, dr[0.577,0.481], df[0.699,0.084], g[1.461,0.082]
1/1 [=====] - 0s 73ms/step
>3391, dr[0.668,0.643], df[0.472,0.068], g[1.209,0.086]
1/1 [=====] - 0s 73ms/step
>3392, dr[0.661,0.437], df[0.722,0.066], g[1.184,0.100]
1/1 [=====] - 0s 84ms/step
>3393, dr[0.493,0.321], df[0.685,0.086], g[1.143,0.092]
1/1 [=====] - 0s 75ms/step
>3394, dr[0.621,0.616], df[0.465,0.064], g[1.029,0.055]
1/1 [=====] - 0s 83ms/step
>3395, dr[0.495,0.389], df[0.680,0.134], g[1.203,0.059]
1/1 [=====] - 0s 78ms/step
>3396, dr[0.565,0.584], df[0.672,0.073], g[1.309,0.083]
1/1 [=====] - 0s 73ms/step
>3397, dr[0.789,0.620], df[0.704,0.036], g[1.322,0.105]
1/1 [=====] - 0s 75ms/step
>3398, dr[0.531,0.956], df[0.570,0.077], g[1.218,0.044]
1/1 [=====] - 0s 73ms/step
>3399, dr[0.515,0.779], df[0.604,0.133], g[1.394,0.067]
1/1 [=====] - 0s 79ms/step
>3400, dr[0.511,0.242], df[0.668,0.086], g[1.388,0.066]
1/1 [=====] - 0s 77ms/step
>3401, dr[0.670,0.364], df[0.534,0.024], g[1.211,0.119]
1/1 [=====] - 0s 75ms/step
>3402, dr[0.569,0.534], df[0.570,0.199], g[1.206,0.048]
1/1 [=====] - 0s 72ms/step
>3403, dr[0.441,0.564], df[0.478,0.092], g[1.460,0.089]
1/1 [=====] - 0s 76ms/step
>3404, dr[0.858,0.634], df[0.465,0.016], g[1.277,0.088]
1/1 [=====] - 0s 79ms/step
>3405, dr[0.666,0.526], df[0.695,0.071], g[1.175,0.094]
1/1 [=====] - 0s 73ms/step
>3406, dr[0.565,0.939], df[0.579,0.091], g[1.172,0.047]
1/1 [=====] - 0s 80ms/step
>3407, dr[0.624,0.463], df[0.788,0.032], g[1.311,0.068]
1/1 [=====] - 0s 80ms/step
>3408, dr[0.601,1.038], df[0.576,0.124], g[1.253,0.117]
1/1 [=====] - 0s 74ms/step
>3409, dr[0.575,0.762], df[0.566,0.095], g[1.509,0.048]
1/1 [=====] - 0s 74ms/step
>3410, dr[0.755,0.744], df[0.622,0.185], g[1.239,0.083]
1/1 [=====] - 0s 73ms/step
>3411, dr[0.541,0.473], df[0.526,0.110], g[1.177,0.102]
1/1 [=====] - 0s 81ms/step
>3412, dr[0.529,0.722], df[0.639,0.143], g[1.248,0.036]
1/1 [=====] - 0s 77ms/step
>3413, dr[0.364,0.620], df[0.497,0.016], g[1.063,0.087]
1/1 [=====] - 0s 76ms/step
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>3414, dr[0.555,0.840], df[0.621,0.051], g[1.509,0.047]
1/1 [=====] - 0s 74ms/step
>3415, dr[0.674,0.849], df[0.547,0.061], g[1.244,0.075]
1/1 [=====] - 0s 74ms/step
>3416, dr[0.601,0.625], df[0.782,0.065], g[1.259,0.064]
1/1 [=====] - 0s 84ms/step
>3417, dr[0.532,0.856], df[0.533,0.104], g[1.307,0.061]
1/1 [=====] - 0s 72ms/step
>3418, dr[0.787,0.274], df[0.679,0.136], g[1.146,0.039]
1/1 [=====] - 0s 88ms/step
>3419, dr[0.541,0.735], df[0.480,0.041], g[1.186,0.048]
1/1 [=====] - 0s 87ms/step
>3420, dr[0.467,0.341], df[0.595,0.064], g[1.312,0.040]
1/1 [=====] - 0s 75ms/step
>3421, dr[0.611,0.534], df[0.568,0.202], g[1.224,0.065]
1/1 [=====] - 0s 74ms/step
>3422, dr[0.642,0.541], df[0.663,0.129], g[1.055,0.189]
1/1 [=====] - 0s 73ms/step
>3423, dr[0.622,0.558], df[0.605,0.152], g[1.314,0.046]
1/1 [=====] - 0s 84ms/step
>3424, dr[0.632,0.591], df[0.545,0.054], g[1.036,0.052]
1/1 [=====] - 0s 73ms/step
>3425, dr[0.541,0.433], df[0.618,0.073], g[1.153,0.098]
1/1 [=====] - 0s 81ms/step
>3426, dr[0.501,0.644], df[0.658,0.023], g[1.149,0.047]
1/1 [=====] - 0s 73ms/step
>3427, dr[0.748,0.998], df[0.606,0.087], g[1.047,0.082]
1/1 [=====] - 0s 73ms/step
>3428, dr[0.530,0.478], df[0.648,0.041], g[1.017,0.076]
1/1 [=====] - 0s 79ms/step
>3429, dr[0.480,0.634], df[0.562,0.078], g[1.441,0.107]
1/1 [=====] - 0s 74ms/step
>3430, dr[0.625,0.325], df[0.462,0.091], g[1.334,0.064]
1/1 [=====] - 0s 78ms/step
>3431, dr[0.469,0.362], df[0.489,0.034], g[1.258,0.052]
1/1 [=====] - 0s 75ms/step
>3432, dr[0.580,0.597], df[0.552,0.119], g[1.138,0.088]
1/1 [=====] - 0s 78ms/step
>3433, dr[0.552,0.401], df[0.619,0.148], g[1.113,0.052]
1/1 [=====] - 0s 75ms/step
>3434, dr[0.612,0.714], df[0.792,0.086], g[1.350,0.116]
1/1 [=====] - 0s 75ms/step
>3435, dr[0.545,0.544], df[0.499,0.080], g[1.339,0.050]
1/1 [=====] - 0s 75ms/step
>3436, dr[0.400,0.269], df[0.638,0.120], g[1.192,0.074]
1/1 [=====] - 0s 77ms/step
>3437, dr[0.752,0.259], df[0.510,0.027], g[1.182,0.039]
1/1 [=====] - 0s 80ms/step
>3438, dr[0.524,0.676], df[0.559,0.072], g[1.290,0.054]
1/1 [=====] - 0s 76ms/step
>3439, dr[0.512,0.363], df[0.439,0.059], g[1.267,0.051]
1/1 [=====] - 0s 80ms/step
>3440, dr[0.809,0.361], df[0.674,0.028], g[1.139,0.047]
1/1 [=====] - 0s 76ms/step
>3441, dr[0.510,0.391], df[0.663,0.051], g[1.151,0.038]
1/1 [=====] - 0s 72ms/step
>3442, dr[0.373,0.501], df[0.556,0.090], g[1.287,0.026]
1/1 [=====] - 0s 79ms/step
>3443, dr[0.560,0.562], df[0.468,0.093], g[1.217,0.055]
1/1 [=====] - 0s 74ms/step
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>3444, dr[0.518,0.477], df[0.582,0.058], g[1.096,0.056]
1/1 [=====] - 0s 80ms/step
>3445, dr[0.650,0.419], df[0.581,0.047], g[1.143,0.076]
1/1 [=====] - 0s 71ms/step
>3446, dr[0.575,0.508], df[0.527,0.072], g[1.092,0.090]
1/1 [=====] - 0s 79ms/step
>3447, dr[0.668,0.796], df[0.607,0.069], g[1.003,0.068]
1/1 [=====] - 0s 72ms/step
>3448, dr[0.532,0.639], df[0.693,0.061], g[1.040,0.080]
1/1 [=====] - 0s 76ms/step
>3449, dr[0.427,0.539], df[0.633,0.018], g[1.207,0.042]
1/1 [=====] - 0s 79ms/step
>3450, dr[0.481,1.065], df[0.684,0.198], g[1.288,0.073]
1/1 [=====] - 0s 84ms/step
>3451, dr[0.620,0.379], df[0.595,0.137], g[1.259,0.056]
1/1 [=====] - 0s 81ms/step
>3452, dr[0.454,0.447], df[0.532,0.032], g[1.331,0.059]
1/1 [=====] - 0s 74ms/step
>3453, dr[0.641,0.527], df[0.474,0.087], g[1.358,0.080]
1/1 [=====] - 0s 73ms/step
>3454, dr[0.675,0.670], df[0.533,0.033], g[1.272,0.086]
1/1 [=====] - 0s 74ms/step
>3455, dr[0.568,0.469], df[0.565,0.119], g[1.217,0.077]
1/1 [=====] - 0s 78ms/step
>3456, dr[0.483,0.535], df[0.773,0.066], g[1.305,0.030]
1/1 [=====] - 0s 79ms/step
>3457, dr[0.503,0.556], df[0.465,0.049], g[1.388,0.049]
1/1 [=====] - 0s 73ms/step
>3458, dr[0.687,0.400], df[0.634,0.065], g[1.062,0.059]
1/1 [=====] - 0s 77ms/step
>3459, dr[0.611,0.558], df[0.572,0.066], g[1.126,0.043]
1/1 [=====] - 0s 76ms/step
>3460, dr[0.418,0.657], df[0.582,0.109], g[1.237,0.098]
1/1 [=====] - 0s 77ms/step
>3461, dr[0.638,0.359], df[0.530,0.043], g[1.184,0.079]
1/1 [=====] - 0s 80ms/step
>3462, dr[0.596,0.588], df[0.611,0.028], g[1.105,0.045]
1/1 [=====] - 0s 76ms/step
>3463, dr[0.644,0.785], df[0.717,0.133], g[1.072,0.116]
1/1 [=====] - 0s 87ms/step
>3464, dr[0.548,0.530], df[0.630,0.083], g[1.295,0.163]
1/1 [=====] - 0s 72ms/step
>3465, dr[0.515,0.878], df[0.543,0.214], g[1.180,0.066]
1/1 [=====] - 0s 74ms/step
>3466, dr[0.706,0.779], df[0.489,0.071], g[1.142,0.103]
1/1 [=====] - 0s 78ms/step
>3467, dr[0.820,0.186], df[0.516,0.034], g[0.930,0.082]
1/1 [=====] - 0s 73ms/step
>3468, dr[0.591,0.405], df[0.849,0.054], g[1.162,0.083]
1/1 [=====] - 0s 80ms/step
>3469, dr[0.478,0.413], df[0.626,0.088], g[1.175,0.076]
1/1 [=====] - 0s 73ms/step
>3470, dr[0.603,0.489], df[0.690,0.069], g[1.170,0.109]
1/1 [=====] - 0s 81ms/step
>3471, dr[0.592,0.481], df[0.570,0.024], g[1.278,0.155]
1/1 [=====] - 0s 75ms/step
>3472, dr[0.642,0.672], df[0.606,0.043], g[1.137,0.107]
1/1 [=====] - 0s 81ms/step
>3473, dr[0.569,0.839], df[0.609,0.036], g[1.489,0.047]
1/1 [=====] - 0s 80ms/step
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>3474, dr[0.795,0.439], df[0.643,0.135], g[1.134,0.032]
1/1 [=====] - 0s 77ms/step
>3475, dr[0.464,0.398], df[0.560,0.065], g[1.299,0.094]
1/1 [=====] - 0s 77ms/step
>3476, dr[0.566,0.733], df[0.559,0.165], g[1.277,0.047]
1/1 [=====] - 0s 78ms/step
>3477, dr[0.614,0.948], df[0.780,0.178], g[1.238,0.058]
1/1 [=====] - 0s 90ms/step
>3478, dr[0.553,0.407], df[0.603,0.049], g[1.293,0.165]
1/1 [=====] - 0s 85ms/step
>3479, dr[0.810,0.852], df[0.554,0.296], g[1.146,0.066]
1/1 [=====] - 0s 84ms/step
>3480, dr[0.506,0.410], df[0.678,0.080], g[1.271,0.073]
1/1 [=====] - 0s 84ms/step
>3481, dr[0.374,0.444], df[0.691,0.077], g[1.389,0.040]
1/1 [=====] - 0s 81ms/step
>3482, dr[0.634,0.780], df[0.564,0.113], g[1.338,0.092]
1/1 [=====] - 0s 77ms/step
>3483, dr[0.764,0.333], df[0.599,0.120], g[1.285,0.098]
1/1 [=====] - 0s 82ms/step
>3484, dr[0.704,0.326], df[0.585,0.137], g[1.196,0.062]
1/1 [=====] - 0s 72ms/step
>3485, dr[0.573,0.787], df[0.552,0.060], g[1.286,0.040]
1/1 [=====] - 0s 79ms/step
>3486, dr[0.672,0.762], df[0.832,0.108], g[1.155,0.054]
1/1 [=====] - 0s 80ms/step
>3487, dr[0.604,0.567], df[0.461,0.133], g[1.044,0.103]
1/1 [=====] - 0s 74ms/step
>3488, dr[0.635,0.588], df[0.518,0.046], g[0.960,0.033]
1/1 [=====] - 0s 79ms/step
>3489, dr[0.560,0.585], df[0.995,0.227], g[1.289,0.042]
1/1 [=====] - 0s 75ms/step
>3490, dr[0.711,0.615], df[0.548,0.046], g[1.220,0.050]
1/1 [=====] - 0s 73ms/step
>3491, dr[0.687,0.373], df[0.665,0.034], g[1.206,0.131]
1/1 [=====] - 0s 78ms/step
>3492, dr[0.579,0.783], df[0.644,0.052], g[1.217,0.107]
1/1 [=====] - 0s 75ms/step
>3493, dr[0.625,0.894], df[0.595,0.060], g[1.166,0.080]
1/1 [=====] - 0s 82ms/step
>3494, dr[0.702,0.350], df[0.728,0.045], g[0.954,0.043]
1/1 [=====] - 0s 76ms/step
>3495, dr[0.713,0.659], df[0.658,0.067], g[1.086,0.070]
1/1 [=====] - 0s 82ms/step
>3496, dr[0.512,0.244], df[0.716,0.067], g[1.325,0.075]
1/1 [=====] - 0s 77ms/step
>3497, dr[0.730,0.622], df[0.456,0.030], g[1.250,0.052]
1/1 [=====] - 0s 126ms/step
>3498, dr[0.830,0.708], df[0.658,0.057], g[1.162,0.134]
1/1 [=====] - 0s 84ms/step
>3499, dr[0.591,0.310], df[0.739,0.137], g[1.032,0.060]
1/1 [=====] - 0s 80ms/step
>3500, dr[0.587,0.453], df[0.562,0.050], g[1.230,0.061]
1/1 [=====] - 0s 75ms/step
>3501, dr[0.536,0.699], df[0.627,0.081], g[1.028,0.057]
1/1 [=====] - 0s 79ms/step
>3502, dr[0.457,0.934], df[0.760,0.057], g[1.093,0.165]
1/1 [=====] - 0s 84ms/step
>3503, dr[0.653,0.497], df[0.566,0.074], g[1.086,0.068]
1/1 [=====] - 0s 77ms/step
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```
>3504, dr[0.636,0.680], df[0.601,0.074], g[1.144,0.148]
1/1 [=====] - 0s 73ms/step
>3505, dr[0.640,0.718], df[0.596,0.039], g[1.104,0.089]
1/1 [=====] - 0s 80ms/step
>3506, dr[0.586,0.568], df[0.350,0.130], g[1.044,0.108]
1/1 [=====] - 0s 81ms/step
>3507, dr[0.471,0.433], df[0.809,0.132], g[0.999,0.052]
1/1 [=====] - 0s 77ms/step
>3508, dr[0.460,0.752], df[0.596,0.031], g[1.248,0.021]
1/1 [=====] - 0s 80ms/step
>3509, dr[0.807,0.407], df[0.610,0.033], g[1.104,0.053]
1/1 [=====] - 0s 71ms/step
>3510, dr[0.511,0.246], df[0.557,0.085], g[1.219,0.040]
1/1 [=====] - 0s 72ms/step
>3511, dr[0.409,0.351], df[0.411,0.038], g[1.252,0.151]
1/1 [=====] - 0s 74ms/step
>3512, dr[0.588,0.911], df[0.620,0.073], g[1.214,0.035]
1/1 [=====] - 0s 74ms/step
>3513, dr[0.500,0.325], df[0.669,0.079], g[1.312,0.062]
1/1 [=====] - 0s 84ms/step
>3514, dr[0.604,0.459], df[0.578,0.110], g[1.278,0.071]
1/1 [=====] - 0s 75ms/step
>3515, dr[0.557,0.456], df[0.611,0.127], g[1.202,0.040]
1/1 [=====] - 0s 81ms/step
>3516, dr[0.587,0.442], df[0.532,0.050], g[1.305,0.074]
1/1 [=====] - 0s 78ms/step
>3517, dr[0.638,0.600], df[0.737,0.057], g[1.173,0.041]
1/1 [=====] - 0s 75ms/step
>3518, dr[0.564,0.477], df[0.643,0.026], g[1.154,0.055]
1/1 [=====] - 0s 78ms/step
>3519, dr[0.639,0.683], df[0.543,0.057], g[1.263,0.044]
1/1 [=====] - 0s 76ms/step
>3520, dr[0.651,0.481], df[0.651,0.085], g[1.260,0.075]
1/1 [=====] - 0s 80ms/step
>3521, dr[0.482,0.398], df[0.424,0.039], g[1.263,0.125]
1/1 [=====] - 0s 73ms/step
>3522, dr[0.675,0.360], df[0.455,0.066], g[1.114,0.106]
1/1 [=====] - 0s 78ms/step
>3523, dr[0.438,0.829], df[0.768,0.049], g[1.247,0.057]
1/1 [=====] - 0s 88ms/step
>3524, dr[0.596,0.440], df[0.686,0.118], g[0.997,0.069]
1/1 [=====] - 0s 90ms/step
>3525, dr[0.544,0.427], df[0.672,0.079], g[1.205,0.047]
1/1 [=====] - 0s 91ms/step
>3526, dr[0.656,0.312], df[0.666,0.081], g[1.127,0.083]
1/1 [=====] - 0s 74ms/step
>3527, dr[0.648,0.324], df[0.470,0.023], g[1.380,0.049]
1/1 [=====] - 0s 75ms/step
>3528, dr[0.537,0.403], df[0.519,0.035], g[1.131,0.080]
1/1 [=====] - 0s 81ms/step
>3529, dr[0.471,0.450], df[0.737,0.060], g[1.212,0.057]
1/1 [=====] - 0s 77ms/step
>3530, dr[0.541,0.431], df[0.856,0.064], g[1.223,0.041]
1/1 [=====] - 0s 81ms/step
>3531, dr[0.753,0.319], df[0.633,0.026], g[1.165,0.053]
1/1 [=====] - 0s 78ms/step
>3532, dr[0.586,0.695], df[0.497,0.040], g[1.181,0.057]
1/1 [=====] - 0s 75ms/step
>3533, dr[0.644,0.538], df[0.511,0.034], g[1.103,0.053]
1/1 [=====] - 0s 82ms/step
```

```
>3534, dr[0.532,0.718], df[0.602,0.021], g[1.087,0.106]
1/1 [=====] - 0s 76ms/step
>3535, dr[0.529,0.643], df[0.572,0.043], g[1.044,0.149]
1/1 [=====] - 0s 80ms/step
>3536, dr[0.523,0.658], df[0.543,0.056], g[1.150,0.049]
1/1 [=====] - 0s 77ms/step
>3537, dr[0.758,0.743], df[0.668,0.109], g[1.119,0.113]
1/1 [=====] - 0s 75ms/step
>3538, dr[0.642,0.797], df[0.796,0.111], g[1.188,0.068]
1/1 [=====] - 0s 86ms/step
>3539, dr[0.643,0.574], df[0.596,0.184], g[1.129,0.081]
1/1 [=====] - 0s 75ms/step
>3540, dr[0.619,0.986], df[0.857,0.047], g[1.146,0.074]
1/1 [=====] - 0s 78ms/step
>3541, dr[0.643,0.533], df[0.618,0.045], g[1.111,0.075]
1/1 [=====] - 0s 76ms/step
>3542, dr[0.696,0.482], df[0.638,0.064], g[1.025,0.061]
1/1 [=====] - 0s 78ms/step
>3543, dr[0.435,0.319], df[0.590,0.038], g[1.138,0.052]
1/1 [=====] - 0s 76ms/step
>3544, dr[0.673,0.358], df[0.677,0.095], g[1.186,0.052]
1/1 [=====] - 0s 74ms/step
>3545, dr[0.397,0.682], df[0.573,0.070], g[1.188,0.107]
1/1 [=====] - 0s 88ms/step
>3546, dr[0.782,0.536], df[0.467,0.018], g[1.128,0.103]
1/1 [=====] - 0s 76ms/step
>3547, dr[0.664,0.798], df[0.541,0.042], g[1.153,0.172]
1/1 [=====] - 0s 81ms/step
>3548, dr[0.537,0.325], df[0.557,0.025], g[0.987,0.138]
1/1 [=====] - 0s 77ms/step
>3549, dr[0.334,0.567], df[0.503,0.072], g[1.128,0.042]
1/1 [=====] - 0s 77ms/step
>3550, dr[0.612,0.470], df[0.653,0.083], g[1.205,0.064]
1/1 [=====] - 0s 78ms/step
>3551, dr[0.518,0.375], df[0.732,0.065], g[1.302,0.023]
1/1 [=====] - 0s 73ms/step
>3552, dr[0.598,0.474], df[0.406,0.104], g[1.451,0.029]
1/1 [=====] - 0s 83ms/step
>3553, dr[0.756,0.324], df[0.646,0.069], g[1.101,0.044]
1/1 [=====] - 0s 88ms/step
>3554, dr[0.645,0.541], df[0.660,0.053], g[1.074,0.090]
1/1 [=====] - 0s 84ms/step
>3555, dr[0.563,0.450], df[0.607,0.068], g[1.247,0.231]
1/1 [=====] - 0s 80ms/step
>3556, dr[0.593,0.906], df[0.696,0.076], g[1.040,0.057]
1/1 [=====] - 0s 74ms/step
>3557, dr[0.629,0.649], df[0.753,0.085], g[1.225,0.033]
1/1 [=====] - 0s 75ms/step
>3558, dr[0.553,0.753], df[0.640,0.019], g[1.162,0.091]
1/1 [=====] - 0s 85ms/step
>3559, dr[0.592,0.568], df[0.658,0.107], g[1.265,0.089]
1/1 [=====] - 0s 75ms/step
>3560, dr[0.625,0.577], df[0.533,0.040], g[1.023,0.081]
1/1 [=====] - 0s 79ms/step
>3561, dr[0.472,0.494], df[0.707,0.089], g[1.040,0.059]
1/1 [=====] - 0s 74ms/step
>3562, dr[0.568,0.483], df[0.654,0.140], g[1.300,0.106]
1/1 [=====] - 0s 77ms/step
>3563, dr[0.593,0.674], df[0.481,0.045], g[1.237,0.051]
1/1 [=====] - 0s 76ms/step
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>3564, dr[0.643,0.603], df[0.625,0.116], g[1.204,0.076]
1/1 [=====] - 0s 74ms/step
>3565, dr[0.474,0.382], df[0.440,0.051], g[1.157,0.039]
1/1 [=====] - 0s 85ms/step
>3566, dr[0.452,0.883], df[0.634,0.093], g[1.271,0.075]
1/1 [=====] - 0s 80ms/step
>3567, dr[0.673,0.395], df[0.528,0.084], g[1.209,0.080]
1/1 [=====] - 0s 79ms/step
>3568, dr[0.497,0.377], df[0.617,0.051], g[1.147,0.066]
1/1 [=====] - 0s 73ms/step
>3569, dr[0.659,0.451], df[0.720,0.032], g[1.329,0.027]
1/1 [=====] - 0s 75ms/step
>3570, dr[0.573,0.670], df[0.532,0.058], g[1.279,0.042]
1/1 [=====] - 0s 78ms/step
>3571, dr[0.663,0.641], df[0.620,0.057], g[1.101,0.046]
1/1 [=====] - 0s 73ms/step
>3572, dr[0.538,0.600], df[0.484,0.034], g[1.151,0.078]
1/1 [=====] - 0s 79ms/step
>3573, dr[0.567,0.623], df[0.567,0.046], g[1.214,0.072]
1/1 [=====] - 0s 74ms/step
>3574, dr[0.622,1.587], df[0.695,0.078], g[1.337,0.097]
1/1 [=====] - 0s 74ms/step
>3575, dr[0.642,0.468], df[0.631,0.179], g[1.200,0.125]
1/1 [=====] - 0s 88ms/step
>3576, dr[0.597,0.549], df[0.633,0.110], g[1.188,0.087]
1/1 [=====] - 0s 80ms/step
>3577, dr[0.462,0.490], df[0.643,0.025], g[1.343,0.113]
1/1 [=====] - 0s 93ms/step
>3578, dr[0.642,0.806], df[0.576,0.031], g[1.296,0.057]
1/1 [=====] - 0s 84ms/step
>3579, dr[0.531,0.441], df[0.576,0.038], g[1.236,0.090]
1/1 [=====] - 0s 85ms/step
>3580, dr[0.531,0.630], df[0.674,0.057], g[1.330,0.045]
1/1 [=====] - 0s 80ms/step
>3581, dr[0.637,0.685], df[0.473,0.036], g[1.197,0.120]
1/1 [=====] - 0s 77ms/step
>3582, dr[0.694,0.585], df[0.529,0.082], g[1.112,0.036]
1/1 [=====] - 0s 79ms/step
>3583, dr[0.544,0.918], df[0.670,0.056], g[1.233,0.139]
1/1 [=====] - 0s 83ms/step
>3584, dr[0.408,1.088], df[0.505,0.028], g[1.277,0.066]
1/1 [=====] - 0s 78ms/step
>3585, dr[0.760,0.379], df[0.629,0.131], g[1.037,0.086]
1/1 [=====] - 0s 84ms/step
>3586, dr[0.542,0.506], df[0.594,0.222], g[1.197,0.068]
1/1 [=====] - 0s 94ms/step
>3587, dr[0.610,0.658], df[0.611,0.061], g[1.247,0.079]
1/1 [=====] - 0s 74ms/step
>3588, dr[0.505,0.419], df[0.521,0.047], g[1.298,0.096]
1/1 [=====] - 0s 79ms/step
>3589, dr[0.863,0.734], df[0.630,0.068], g[1.204,0.066]
1/1 [=====] - 0s 74ms/step
>3590, dr[0.732,0.634], df[0.690,0.075], g[1.232,0.048]
1/1 [=====] - 0s 77ms/step
>3591, dr[0.536,0.701], df[0.657,0.032], g[1.015,0.064]
1/1 [=====] - 0s 80ms/step
>3592, dr[0.624,0.575], df[0.596,0.136], g[1.054,0.095]
1/1 [=====] - 0s 77ms/step
>3593, dr[0.583,0.283], df[0.631,0.076], g[1.271,0.064]
1/1 [=====] - 0s 81ms/step
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>3594, dr[0.488,0.379], df[0.588,0.111], g[1.055,0.068]
1/1 [=====] - 0s 74ms/step
>3595, dr[0.591,0.583], df[0.445,0.050], g[1.168,0.043]
1/1 [=====] - 0s 76ms/step
>3596, dr[0.662,0.265], df[0.732,0.074], g[1.252,0.061]
1/1 [=====] - 0s 77ms/step
>3597, dr[0.560,0.257], df[0.664,0.024], g[1.163,0.036]
1/1 [=====] - 0s 74ms/step
>3598, dr[0.742,0.532], df[0.639,0.050], g[1.301,0.055]
1/1 [=====] - 0s 81ms/step
>3599, dr[0.545,0.476], df[0.667,0.041], g[1.212,0.052]
1/1 [=====] - 0s 73ms/step
>3600, dr[0.693,0.532], df[0.626,0.046], g[1.327,0.121]
1/1 [=====] - 0s 74ms/step
>3601, dr[0.600,0.433], df[0.481,0.063], g[1.331,0.076]
1/1 [=====] - 0s 78ms/step
>3602, dr[0.570,0.515], df[0.705,0.031], g[1.277,0.066]
1/1 [=====] - 0s 76ms/step
>3603, dr[0.620,0.381], df[0.652,0.059], g[1.045,0.125]
1/1 [=====] - 0s 79ms/step
>3604, dr[0.617,0.483], df[0.600,0.045], g[1.070,0.065]
1/1 [=====] - 0s 76ms/step
>3605, dr[0.549,0.378], df[0.651,0.089], g[1.302,0.080]
1/1 [=====] - 0s 75ms/step
>3606, dr[0.534,0.682], df[0.526,0.021], g[1.168,0.071]
1/1 [=====] - 0s 77ms/step
>3607, dr[0.651,0.425], df[0.562,0.041], g[1.133,0.091]
1/1 [=====] - 0s 75ms/step
>3608, dr[0.579,0.376], df[0.680,0.082], g[1.109,0.071]
1/1 [=====] - 0s 84ms/step
>3609, dr[0.514,0.530], df[0.614,0.236], g[1.359,0.049]
1/1 [=====] - 0s 75ms/step
>3610, dr[0.583,0.754], df[0.526,0.063], g[1.226,0.068]
1/1 [=====] - 0s 79ms/step
>3611, dr[0.668,0.814], df[0.570,0.038], g[1.176,0.063]
1/1 [=====] - 0s 75ms/step
>3612, dr[0.646,0.537], df[0.485,0.048], g[1.117,0.077]
1/1 [=====] - 0s 73ms/step
>3613, dr[0.451,0.649], df[0.748,0.067], g[1.192,0.045]
1/1 [=====] - 0s 77ms/step
>3614, dr[0.661,0.731], df[0.558,0.026], g[0.869,0.119]
1/1 [=====] - 0s 73ms/step
>3615, dr[0.538,0.411], df[0.650,0.075], g[1.081,0.048]
1/1 [=====] - 0s 79ms/step
>3616, dr[0.603,0.331], df[0.501,0.076], g[1.237,0.135]
1/1 [=====] - 0s 73ms/step
>3617, dr[0.551,0.645], df[0.628,0.073], g[1.189,0.053]
1/1 [=====] - 0s 85ms/step
>3618, dr[0.614,0.676], df[0.650,0.076], g[1.296,0.075]
1/1 [=====] - 0s 75ms/step
>3619, dr[0.666,0.585], df[0.618,0.066], g[0.915,0.073]
1/1 [=====] - 0s 81ms/step
>3620, dr[0.540,0.341], df[0.510,0.020], g[1.170,0.050]
1/1 [=====] - 0s 80ms/step
>3621, dr[0.533,0.461], df[0.671,0.088], g[1.162,0.138]
1/1 [=====] - 0s 73ms/step
>3622, dr[0.653,0.627], df[0.593,0.133], g[1.226,0.038]
1/1 [=====] - 0s 81ms/step
>3623, dr[0.558,0.548], df[0.644,0.081], g[1.389,0.040]
1/1 [=====] - 0s 82ms/step
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>3624, dr[0.569,0.358], df[0.689,0.072], g[1.319,0.089]
1/1 [=====] - 0s 72ms/step
>3625, dr[0.635,0.586], df[0.451,0.029], g[1.121,0.039]
1/1 [=====] - 0s 76ms/step
>3626, dr[0.546,0.988], df[0.502,0.131], g[1.255,0.048]
1/1 [=====] - 0s 75ms/step
>3627, dr[0.673,0.405], df[0.571,0.167], g[1.138,0.045]
1/1 [=====] - 0s 79ms/step
>3628, dr[0.674,0.463], df[0.597,0.057], g[0.981,0.057]
1/1 [=====] - 0s 76ms/step
>3629, dr[0.420,0.512], df[0.877,0.017], g[1.201,0.051]
1/1 [=====] - 0s 74ms/step
>3630, dr[0.798,0.482], df[0.592,0.025], g[1.220,0.056]
1/1 [=====] - 0s 89ms/step
>3631, dr[0.619,0.684], df[0.625,0.039], g[1.133,0.065]
1/1 [=====] - 0s 79ms/step
>3632, dr[0.526,0.334], df[0.503,0.046], g[1.162,0.062]
1/1 [=====] - 0s 92ms/step
>3633, dr[0.621,0.478], df[0.598,0.031], g[1.005,0.111]
1/1 [=====] - 0s 75ms/step
>3634, dr[0.635,0.519], df[0.683,0.030], g[0.998,0.100]
1/1 [=====] - 0s 81ms/step
>3635, dr[0.532,0.766], df[0.704,0.019], g[1.188,0.061]
1/1 [=====] - 0s 82ms/step
>3636, dr[0.555,0.555], df[0.599,0.115], g[1.028,0.067]
1/1 [=====] - 0s 81ms/step
>3637, dr[0.690,0.572], df[0.572,0.050], g[1.174,0.030]
1/1 [=====] - 0s 95ms/step
>3638, dr[0.698,0.585], df[0.689,0.144], g[1.102,0.049]
1/1 [=====] - 0s 75ms/step
>3639, dr[0.629,0.538], df[0.557,0.028], g[1.178,0.129]
1/1 [=====] - 0s 77ms/step
>3640, dr[0.461,0.809], df[0.712,0.048], g[1.298,0.050]
1/1 [=====] - 0s 91ms/step
>3641, dr[0.747,0.403], df[0.599,0.054], g[1.058,0.137]
1/1 [=====] - 0s 83ms/step
>3642, dr[0.602,0.919], df[0.604,0.071], g[1.243,0.042]
1/1 [=====] - 0s 76ms/step
>3643, dr[0.516,0.232], df[0.660,0.049], g[1.110,0.107]
1/1 [=====] - 0s 75ms/step
>3644, dr[0.516,0.308], df[0.591,0.085], g[1.269,0.057]
1/1 [=====] - 0s 73ms/step
>3645, dr[0.489,0.791], df[0.680,0.104], g[1.172,0.084]
1/1 [=====] - 0s 80ms/step
>3646, dr[0.524,0.348], df[0.611,0.059], g[1.423,0.087]
1/1 [=====] - 0s 76ms/step
>3647, dr[0.683,0.295], df[0.579,0.130], g[1.321,0.037]
1/1 [=====] - 0s 81ms/step
>3648, dr[0.746,0.430], df[0.586,0.020], g[1.318,0.049]
1/1 [=====] - 0s 75ms/step
>3649, dr[0.630,0.641], df[0.617,0.098], g[1.143,0.066]
1/1 [=====] - 0s 77ms/step
>3650, dr[0.524,0.513], df[0.568,0.071], g[1.031,0.048]
1/1 [=====] - 0s 77ms/step
>3651, dr[0.523,0.435], df[0.470,0.075], g[1.225,0.071]
1/1 [=====] - 0s 79ms/step
>3652, dr[0.573,0.891], df[0.640,0.033], g[1.201,0.056]
1/1 [=====] - 0s 83ms/step
>3653, dr[0.617,0.350], df[0.703,0.107], g[1.203,0.088]
1/1 [=====] - 0s 74ms/step
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>3654, dr[0.667,0.872], df[0.598,0.067], g[1.089,0.047]
1/1 [=====] - 0s 74ms/step
>3655, dr[0.711,0.718], df[0.634,0.098], g[1.095,0.077]
1/1 [=====] - 0s 76ms/step
>3656, dr[0.581,0.556], df[0.515,0.021], g[1.119,0.047]
1/1 [=====] - 0s 74ms/step
>3657, dr[0.651,0.691], df[0.670,0.148], g[1.037,0.100]
1/1 [=====] - 0s 86ms/step
>3658, dr[0.687,0.466], df[0.652,0.034], g[1.037,0.072]
1/1 [=====] - 0s 73ms/step
>3659, dr[0.534,0.691], df[0.517,0.025], g[1.083,0.073]
1/1 [=====] - 0s 80ms/step
>3660, dr[0.590,0.914], df[0.705,0.021], g[1.187,0.064]
1/1 [=====] - 0s 82ms/step
>3661, dr[0.558,0.828], df[0.573,0.032], g[1.043,0.105]
1/1 [=====] - 0s 80ms/step
>3662, dr[0.603,0.548], df[0.642,0.044], g[1.221,0.103]
1/1 [=====] - 0s 85ms/step
>3663, dr[0.501,0.903], df[0.649,0.067], g[1.428,0.066]
1/1 [=====] - 0s 79ms/step
>3664, dr[0.562,0.623], df[0.556,0.049], g[1.343,0.073]
1/1 [=====] - 0s 80ms/step
>3665, dr[0.754,0.370], df[0.515,0.050], g[1.052,0.062]
1/1 [=====] - 0s 80ms/step
>3666, dr[0.625,0.690], df[0.588,0.044], g[1.260,0.036]
1/1 [=====] - 0s 83ms/step
>3667, dr[0.584,0.334], df[0.633,0.061], g[0.994,0.189]
1/1 [=====] - 0s 79ms/step
>3668, dr[0.488,0.364], df[0.507,0.081], g[1.029,0.083]
1/1 [=====] - 0s 75ms/step
>3669, dr[0.523,0.299], df[0.607,0.043], g[1.125,0.051]
1/1 [=====] - 0s 77ms/step
>3670, dr[0.525,0.317], df[0.694,0.090], g[1.163,0.077]
1/1 [=====] - 0s 80ms/step
>3671, dr[0.773,0.374], df[0.660,0.093], g[1.257,0.076]
1/1 [=====] - 0s 74ms/step
>3672, dr[0.627,0.809], df[0.574,0.087], g[1.137,0.061]
1/1 [=====] - 0s 81ms/step
>3673, dr[0.612,0.445], df[0.559,0.041], g[1.064,0.068]
1/1 [=====] - 0s 75ms/step
>3674, dr[0.441,0.658], df[0.837,0.101], g[1.129,0.069]
1/1 [=====] - 0s 79ms/step
>3675, dr[0.717,0.759], df[0.695,0.159], g[1.282,0.071]
1/1 [=====] - 0s 83ms/step
>3676, dr[0.745,0.792], df[0.618,0.089], g[1.273,0.032]
1/1 [=====] - 0s 75ms/step
>3677, dr[0.601,0.512], df[0.550,0.120], g[1.317,0.061]
1/1 [=====] - 0s 79ms/step
>3678, dr[0.551,0.491], df[0.586,0.038], g[1.210,0.094]
1/1 [=====] - 0s 74ms/step
>3679, dr[0.797,0.530], df[0.748,0.062], g[1.077,0.113]
1/1 [=====] - 0s 77ms/step
>3680, dr[0.538,0.539], df[0.796,0.127], g[1.136,0.053]
1/1 [=====] - 0s 79ms/step
>3681, dr[0.612,0.519], df[0.626,0.043], g[1.127,0.151]
1/1 [=====] - 0s 95ms/step
>3682, dr[0.571,0.695], df[0.758,0.078], g[1.272,0.061]
1/1 [=====] - 0s 95ms/step
>3683, dr[0.783,0.628], df[0.654,0.050], g[1.280,0.057]
1/1 [=====] - 0s 93ms/step
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>3684, dr[0.576,0.673], df[0.535,0.054], g[1.059,0.103]
1/1 [=====] - 0s 94ms/step
>3685, dr[0.660,0.619], df[0.640,0.061], g[1.264,0.114]
1/1 [=====] - 0s 99ms/step
>3686, dr[0.515,0.222], df[0.627,0.046], g[1.423,0.066]
1/1 [=====] - 0s 98ms/step
>3687, dr[0.546,0.580], df[0.502,0.050], g[1.337,0.055]
1/1 [=====] - 0s 92ms/step
>3688, dr[0.891,0.444], df[0.619,0.069], g[1.055,0.086]
1/1 [=====] - 0s 93ms/step
>3689, dr[0.401,0.716], df[0.616,0.036], g[1.143,0.142]
1/1 [=====] - 0s 97ms/step
>3690, dr[0.474,0.339], df[0.511,0.037], g[1.016,0.060]
1/1 [=====] - 0s 90ms/step
>3691, dr[0.585,0.706], df[0.638,0.052], g[1.108,0.038]
1/1 [=====] - 0s 90ms/step
>3692, dr[0.641,1.018], df[0.519,0.052], g[1.037,0.055]
1/1 [=====] - 0s 101ms/step
>3693, dr[0.580,0.493], df[0.615,0.037], g[1.279,0.049]
1/1 [=====] - 0s 100ms/step
>3694, dr[0.486,0.560], df[0.715,0.047], g[1.220,0.104]
1/1 [=====] - 0s 92ms/step
>3695, dr[0.624,0.265], df[0.456,0.078], g[1.136,0.077]
1/1 [=====] - 0s 96ms/step
>3696, dr[0.540,0.462], df[0.580,0.043], g[1.079,0.052]
1/1 [=====] - 0s 104ms/step
>3697, dr[0.501,0.443], df[0.587,0.162], g[1.218,0.087]
1/1 [=====] - 0s 90ms/step
>3698, dr[0.626,0.749], df[0.596,0.071], g[1.166,0.149]
1/1 [=====] - 0s 93ms/step
>3699, dr[0.809,0.642], df[0.597,0.094], g[1.048,0.124]
1/1 [=====] - 0s 98ms/step
>3700, dr[0.606,0.210], df[0.720,0.052], g[1.044,0.076]
1/1 [=====] - 0s 79ms/step
>3701, dr[0.441,0.403], df[0.592,0.133], g[1.414,0.091]
1/1 [=====] - 0s 75ms/step
>3702, dr[0.556,0.403], df[0.601,0.092], g[1.281,0.031]
1/1 [=====] - 0s 82ms/step
>3703, dr[0.639,0.687], df[0.535,0.059], g[1.297,0.063]
1/1 [=====] - 0s 76ms/step
>3704, dr[0.520,0.566], df[0.632,0.109], g[1.168,0.067]
1/1 [=====] - 0s 74ms/step
>3705, dr[0.582,0.196], df[0.407,0.062], g[1.066,0.166]
1/1 [=====] - 0s 74ms/step
>3706, dr[0.497,0.378], df[0.516,0.022], g[0.890,0.042]
1/1 [=====] - 0s 80ms/step
>3707, dr[0.433,0.457], df[0.670,0.048], g[1.213,0.034]
1/1 [=====] - 0s 78ms/step
>3708, dr[0.556,0.415], df[0.520,0.088], g[1.152,0.045]
1/1 [=====] - 0s 82ms/step
>3709, dr[0.768,0.669], df[0.742,0.082], g[1.115,0.038]
1/1 [=====] - 0s 81ms/step
>3710, dr[0.619,0.568], df[0.731,0.089], g[1.129,0.029]
1/1 [=====] - 0s 75ms/step
>3711, dr[0.611,0.256], df[0.579,0.086], g[1.305,0.043]
1/1 [=====] - 0s 76ms/step
>3712, dr[0.556,0.383], df[0.613,0.096], g[1.331,0.063]
1/1 [=====] - 0s 79ms/step
>3713, dr[0.531,0.598], df[0.694,0.084], g[1.341,0.082]
1/1 [=====] - 0s 73ms/step
```

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>3714, dr[0.646,0.771], df[0.440,0.031], g[1.107,0.068]
1/1 [=====] - 0s 79ms/step
>3715, dr[0.607,0.699], df[0.560,0.089], g[1.129,0.067]
1/1 [=====] - 0s 75ms/step
>3716, dr[0.555,0.431], df[0.716,0.046], g[1.123,0.043]
1/1 [=====] - 0s 77ms/step
>3717, dr[0.739,0.865], df[0.634,0.045], g[1.272,0.110]
1/1 [=====] - 0s 80ms/step
>3718, dr[0.562,0.321], df[0.661,0.091], g[1.131,0.064]
1/1 [=====] - 0s 76ms/step
>3719, dr[0.542,0.512], df[0.588,0.029], g[1.286,0.065]
1/1 [=====] - 0s 88ms/step
>3720, dr[0.575,0.405], df[0.493,0.066], g[1.179,0.066]
1/1 [=====] - 0s 78ms/step
>3721, dr[0.625,0.625], df[0.581,0.043], g[1.005,0.107]
1/1 [=====] - 0s 79ms/step
>3722, dr[0.505,0.313], df[0.642,0.114], g[1.152,0.114]
1/1 [=====] - 0s 79ms/step
>3723, dr[0.514,0.181], df[0.604,0.071], g[1.528,0.030]
1/1 [=====] - 0s 76ms/step
>3724, dr[0.667,0.347], df[0.677,0.035], g[1.394,0.041]
1/1 [=====] - 0s 79ms/step
>3725, dr[0.788,0.177], df[0.619,0.084], g[1.180,0.060]
1/1 [=====] - 0s 72ms/step
>3726, dr[0.695,0.380], df[0.682,0.036], g[1.136,0.110]
1/1 [=====] - 0s 78ms/step
>3727, dr[0.617,0.218], df[0.712,0.039], g[1.294,0.084]
1/1 [=====] - 0s 73ms/step
>3728, dr[0.555,0.544], df[0.498,0.054], g[1.239,0.042]
1/1 [=====] - 0s 79ms/step
>3729, dr[0.624,0.690], df[0.518,0.117], g[0.966,0.097]
1/1 [=====] - 0s 82ms/step
>3730, dr[0.652,0.393], df[0.709,0.063], g[1.138,0.050]
1/1 [=====] - 0s 78ms/step
>3731, dr[0.722,0.625], df[0.806,0.144], g[1.210,0.036]
1/1 [=====] - 0s 80ms/step
>3732, dr[0.586,0.620], df[0.635,0.081], g[1.225,0.043]
1/1 [=====] - 0s 76ms/step
>3733, dr[0.527,0.829], df[0.725,0.020], g[1.222,0.050]
1/1 [=====] - 0s 77ms/step
>3734, dr[0.615,0.428], df[0.711,0.066], g[1.196,0.042]
1/1 [=====] - 0s 87ms/step
>3735, dr[0.716,0.734], df[0.591,0.031], g[1.117,0.074]
1/1 [=====] - 0s 76ms/step
>3736, dr[0.746,0.673], df[0.522,0.020], g[1.210,0.072]
1/1 [=====] - 0s 80ms/step
>3737, dr[0.617,0.582], df[0.631,0.068], g[1.075,0.049]
1/1 [=====] - 0s 78ms/step
>3738, dr[0.512,0.623], df[0.651,0.080], g[1.211,0.047]
1/1 [=====] - 0s 75ms/step
>3739, dr[0.558,0.514], df[0.585,0.063], g[1.168,0.034]
1/1 [=====] - 0s 79ms/step
>3740, dr[0.581,0.403], df[0.436,0.134], g[1.101,0.052]
1/1 [=====] - 0s 76ms/step
>3741, dr[0.666,0.750], df[0.444,0.041], g[1.113,0.034]
1/1 [=====] - 0s 81ms/step
>3742, dr[0.598,0.341], df[0.620,0.041], g[0.939,0.074]
1/1 [=====] - 0s 78ms/step
>3743, dr[0.593,0.621], df[0.877,0.115], g[1.067,0.048]
1/1 [=====] - 0s 82ms/step
```

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>3744, dr[0.590,0.494], df[0.677,0.063], g[0.902,0.050]
1/1 [=====] - 0s 77ms/step
>3745, dr[0.588,0.447], df[0.665,0.017], g[1.014,0.091]
1/1 [=====] - 0s 75ms/step
>3746, dr[0.393,0.301], df[0.532,0.039], g[1.308,0.076]
1/1 [=====] - 0s 84ms/step
>3747, dr[0.591,0.667], df[0.650,0.102], g[1.338,0.063]
1/1 [=====] - 0s 73ms/step
>3748, dr[0.695,0.691], df[0.568,0.051], g[1.310,0.064]
4/4 [=====] - 0s 49ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_3748.png and model_3748.h5
1/1 [=====] - 0s 86ms/step
>3749, dr[0.645,0.277], df[0.469,0.041], g[1.124,0.041]
1/1 [=====] - 0s 81ms/step
>3750, dr[0.612,0.449], df[0.674,0.031], g[1.047,0.047]
1/1 [=====] - 0s 79ms/step
>3751, dr[0.597,0.457], df[0.595,0.024], g[1.073,0.083]
1/1 [=====] - 0s 77ms/step
>3752, dr[0.524,0.340], df[0.564,0.049], g[1.216,0.057]
1/1 [=====] - 0s 94ms/step
>3753, dr[0.592,0.677], df[0.548,0.067], g[0.982,0.140]
1/1 [=====] - 0s 87ms/step
>3754, dr[0.700,0.475], df[0.545,0.022], g[0.926,0.129]
1/1 [=====] - 0s 77ms/step
>3755, dr[0.366,0.575], df[0.813,0.074], g[1.203,0.036]
1/1 [=====] - 0s 78ms/step
>3756, dr[0.765,0.256], df[0.438,0.018], g[1.057,0.039]
1/1 [=====] - 0s 82ms/step
>3757, dr[0.593,0.712], df[0.606,0.141], g[1.055,0.058]
1/1 [=====] - 0s 86ms/step
>3758, dr[0.497,0.469], df[0.771,0.027], g[1.184,0.061]
1/1 [=====] - 0s 83ms/step
>3759, dr[0.540,0.511], df[0.706,0.052], g[1.291,0.071]
1/1 [=====] - 0s 88ms/step
>3760, dr[0.637,0.829], df[0.566,0.060], g[1.343,0.076]
1/1 [=====] - 0s 83ms/step
>3761, dr[0.813,0.570], df[0.648,0.038], g[1.183,0.063]
1/1 [=====] - 0s 79ms/step
>3762, dr[0.543,0.655], df[0.570,0.016], g[1.154,0.048]
1/1 [=====] - 0s 77ms/step
>3763, dr[0.495,0.493], df[0.565,0.057], g[1.321,0.052]
1/1 [=====] - 0s 85ms/step
>3764, dr[0.800,0.745], df[0.630,0.053], g[1.060,0.107]
1/1 [=====] - 0s 75ms/step
>3765, dr[0.430,0.477], df[0.549,0.053], g[1.218,0.033]
1/1 [=====] - 0s 78ms/step
>3766, dr[0.525,0.583], df[0.710,0.076], g[1.020,0.060]
1/1 [=====] - 0s 80ms/step
>3767, dr[0.627,0.262], df[0.430,0.049], g[1.132,0.180]
1/1 [=====] - 0s 75ms/step
>3768, dr[0.618,0.514], df[0.483,0.030], g[1.151,0.040]
1/1 [=====] - 0s 78ms/step
>3769, dr[0.635,0.471], df[0.696,0.071], g[1.107,0.061]
1/1 [=====] - 0s 75ms/step
>3770, dr[0.474,0.328], df[0.519,0.024], g[0.999,0.041]
1/1 [=====] - 0s 80ms/step
>3771, dr[0.688,0.578], df[0.652,0.040], g[1.289,0.083]
1/1 [=====] - 0s 82ms/step
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>3772, dr[0.621,0.434], df[0.675,0.085], g[1.297,0.079]
1/1 [=====] - 0s 86ms/step
>3773, dr[0.605,0.697], df[0.550,0.052], g[1.317,0.055]
1/1 [=====] - 0s 92ms/step
>3774, dr[0.538,0.245], df[0.488,0.051], g[1.139,0.084]
1/1 [=====] - 0s 82ms/step
>3775, dr[0.805,0.402], df[0.631,0.044], g[1.204,0.064]
1/1 [=====] - 0s 86ms/step
>3776, dr[0.618,0.545], df[0.552,0.052], g[1.119,0.056]
1/1 [=====] - 0s 80ms/step
>3777, dr[0.536,0.718], df[0.696,0.035], g[1.178,0.036]
1/1 [=====] - 0s 77ms/step
>3778, dr[0.742,0.277], df[0.783,0.038], g[1.103,0.150]
1/1 [=====] - 0s 74ms/step
>3779, dr[0.688,0.630], df[0.605,0.030], g[1.061,0.143]
1/1 [=====] - 0s 75ms/step
>3780, dr[0.635,0.870], df[0.473,0.035], g[1.082,0.034]
1/1 [=====] - 0s 77ms/step
>3781, dr[0.407,0.669], df[0.780,0.083], g[1.252,0.076]
1/1 [=====] - 0s 82ms/step
>3782, dr[0.755,0.650], df[0.765,0.077], g[1.132,0.048]
1/1 [=====] - 0s 81ms/step
>3783, dr[0.552,0.285], df[0.538,0.089], g[1.265,0.096]
1/1 [=====] - 0s 79ms/step
>3784, dr[0.522,0.567], df[0.597,0.023], g[1.287,0.076]
1/1 [=====] - 0s 78ms/step
>3785, dr[0.632,0.505], df[0.512,0.051], g[0.964,0.131]
1/1 [=====] - 0s 75ms/step
>3786, dr[0.671,0.651], df[0.615,0.076], g[1.235,0.109]
1/1 [=====] - 0s 84ms/step
>3787, dr[0.554,0.179], df[0.580,0.036], g[1.223,0.094]
1/1 [=====] - 0s 80ms/step
>3788, dr[0.464,0.603], df[0.450,0.048], g[1.026,0.081]
1/1 [=====] - 0s 80ms/step
>3789, dr[0.617,0.618], df[0.618,0.035], g[1.128,0.097]
1/1 [=====] - 0s 79ms/step
>3790, dr[0.773,0.338], df[0.813,0.061], g[1.126,0.074]
1/1 [=====] - 0s 73ms/step
>3791, dr[0.608,0.386], df[0.549,0.021], g[1.273,0.041]
1/1 [=====] - 0s 83ms/step
>3792, dr[0.678,0.312], df[0.531,0.151], g[0.954,0.044]
1/1 [=====] - 0s 76ms/step
>3793, dr[0.552,0.668], df[0.596,0.038], g[1.061,0.085]
1/1 [=====] - 0s 83ms/step
>3794, dr[0.434,0.267], df[0.629,0.205], g[1.153,0.055]
1/1 [=====] - 0s 76ms/step
>3795, dr[0.586,0.319], df[0.621,0.107], g[1.357,0.042]
1/1 [=====] - 0s 75ms/step
>3796, dr[0.533,0.423], df[0.500,0.047], g[1.132,0.048]
1/1 [=====] - 0s 77ms/step
>3797, dr[0.671,0.490], df[0.587,0.042], g[1.149,0.047]
1/1 [=====] - 0s 77ms/step
>3798, dr[0.551,0.420], df[0.595,0.030], g[1.181,0.052]
1/1 [=====] - 0s 83ms/step
>3799, dr[0.578,0.624], df[0.702,0.039], g[1.272,0.083]
1/1 [=====] - 0s 79ms/step
>3800, dr[0.785,0.428], df[0.808,0.205], g[1.305,0.037]
1/1 [=====] - 0s 82ms/step
>3801, dr[0.553,0.480], df[0.732,0.059], g[1.239,0.117]
1/1 [=====] - 0s 81ms/step
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>3802, dr[0.700,0.492], df[0.432,0.024], g[0.962,0.076]
1/1 [=====] - 0s 75ms/step
>3803, dr[0.729,0.775], df[0.560,0.036], g[1.101,0.062]
1/1 [=====] - 0s 84ms/step
>3804, dr[0.659,0.686], df[0.710,0.071], g[1.029,0.066]
1/1 [=====] - 0s 77ms/step
>3805, dr[0.584,0.800], df[0.766,0.063], g[1.178,0.053]
1/1 [=====] - 0s 75ms/step
>3806, dr[0.683,0.471], df[0.661,0.027], g[1.250,0.055]
1/1 [=====] - 0s 76ms/step
>3807, dr[0.577,0.470], df[0.732,0.033], g[1.364,0.068]
1/1 [=====] - 0s 76ms/step
>3808, dr[0.669,0.403], df[0.603,0.044], g[1.285,0.054]
1/1 [=====] - 0s 85ms/step
>3809, dr[0.729,0.729], df[0.693,0.141], g[1.061,0.035]
1/1 [=====] - 0s 74ms/step
>3810, dr[0.671,0.803], df[0.866,0.274], g[1.131,0.052]
1/1 [=====] - 0s 80ms/step
>3811, dr[0.485,0.657], df[0.531,0.098], g[1.341,0.042]
1/1 [=====] - 0s 77ms/step
>3812, dr[0.540,0.524], df[0.644,0.023], g[1.227,0.099]
1/1 [=====] - 0s 77ms/step
>3813, dr[0.674,0.513], df[0.674,0.046], g[1.215,0.037]
1/1 [=====] - 0s 83ms/step
>3814, dr[0.632,0.365], df[0.499,0.047], g[1.278,0.082]
1/1 [=====] - 0s 77ms/step
>3815, dr[0.610,0.184], df[0.644,0.057], g[1.217,0.062]
1/1 [=====] - 0s 89ms/step
>3816, dr[0.535,0.841], df[0.476,0.089], g[1.182,0.050]
1/1 [=====] - 0s 76ms/step
>3817, dr[0.482,0.792], df[0.630,0.186], g[1.231,0.059]
1/1 [=====] - 0s 78ms/step
>3818, dr[0.658,0.530], df[0.571,0.124], g[1.030,0.037]
1/1 [=====] - 0s 81ms/step
>3819, dr[0.510,0.367], df[0.597,0.085], g[1.136,0.063]
1/1 [=====] - 0s 80ms/step
>3820, dr[0.511,0.528], df[0.591,0.050], g[1.288,0.081]
1/1 [=====] - 0s 82ms/step
>3821, dr[0.568,0.309], df[0.545,0.032], g[1.360,0.082]
1/1 [=====] - 0s 76ms/step
>3822, dr[0.550,0.447], df[0.672,0.079], g[1.142,0.052]
1/1 [=====] - 0s 76ms/step
>3823, dr[0.692,0.216], df[0.665,0.036], g[1.305,0.031]
1/1 [=====] - 0s 77ms/step
>3824, dr[0.773,0.665], df[0.620,0.037], g[1.120,0.041]
1/1 [=====] - 0s 74ms/step
>3825, dr[0.571,0.712], df[0.651,0.048], g[1.289,0.024]
1/1 [=====] - 0s 82ms/step
>3826, dr[0.624,0.644], df[0.510,0.084], g[1.256,0.026]
1/1 [=====] - 0s 76ms/step
>3827, dr[0.578,0.647], df[0.655,0.161], g[1.190,0.075]
1/1 [=====] - 0s 78ms/step
>3828, dr[0.628,0.395], df[0.582,0.040], g[1.172,0.098]
1/1 [=====] - 0s 75ms/step
>3829, dr[0.731,0.531], df[0.584,0.053], g[0.997,0.115]
1/1 [=====] - 0s 73ms/step
>3830, dr[0.653,0.486], df[0.640,0.038], g[1.019,0.069]
1/1 [=====] - 0s 85ms/step
>3831, dr[0.516,0.310], df[0.632,0.032], g[1.043,0.102]
1/1 [=====] - 0s 76ms/step
```

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>3832, dr[0.477,0.472], df[0.538,0.030], g[1.039,0.062]
1/1 [=====] - 0s 80ms/step
>3833, dr[0.751,0.630], df[0.695,0.062], g[1.214,0.096]
1/1 [=====] - 0s 75ms/step
>3834, dr[0.697,0.413], df[0.707,0.154], g[0.975,0.028]
1/1 [=====] - 0s 80ms/step
>3835, dr[0.607,0.426], df[0.577,0.091], g[1.099,0.111]
1/1 [=====] - 0s 81ms/step
>3836, dr[0.559,0.454], df[0.662,0.089], g[1.114,0.069]
1/1 [=====] - 0s 76ms/step
>3837, dr[0.560,0.422], df[0.727,0.053], g[1.162,0.111]
1/1 [=====] - 0s 80ms/step
>3838, dr[0.377,0.480], df[0.446,0.024], g[1.413,0.062]
1/1 [=====] - 0s 74ms/step
>3839, dr[0.579,0.412], df[0.431,0.049], g[1.212,0.043]
1/1 [=====] - 0s 78ms/step
>3840, dr[0.557,0.696], df[0.683,0.080], g[1.062,0.063]
1/1 [=====] - 0s 74ms/step
>3841, dr[0.582,0.504], df[0.600,0.053], g[1.267,0.033]
1/1 [=====] - 0s 75ms/step
>3842, dr[0.607,0.599], df[0.691,0.027], g[1.256,0.103]
1/1 [=====] - 0s 81ms/step
>3843, dr[0.477,0.356], df[0.662,0.087], g[1.270,0.029]
1/1 [=====] - 0s 79ms/step
>3844, dr[0.607,0.568], df[0.555,0.043], g[1.248,0.068]
1/1 [=====] - 0s 79ms/step
>3845, dr[0.620,0.423], df[0.524,0.091], g[1.173,0.110]
1/1 [=====] - 0s 75ms/step
>3846, dr[0.716,0.625], df[0.768,0.076], g[1.317,0.065]
1/1 [=====] - 0s 75ms/step
>3847, dr[0.683,0.460], df[0.582,0.147], g[1.133,0.081]
1/1 [=====] - 0s 82ms/step
>3848, dr[0.482,0.685], df[0.576,0.025], g[1.120,0.053]
1/1 [=====] - 0s 78ms/step
>3849, dr[0.743,0.550], df[0.637,0.032], g[1.228,0.046]
1/1 [=====] - 0s 83ms/step
>3850, dr[0.581,0.367], df[0.547,0.101], g[1.129,0.066]
1/1 [=====] - 0s 84ms/step
>3851, dr[0.606,0.564], df[0.636,0.074], g[1.188,0.095]
1/1 [=====] - 0s 75ms/step
>3852, dr[0.631,0.289], df[0.668,0.032], g[0.951,0.080]
1/1 [=====] - 0s 80ms/step
>3853, dr[0.670,0.396], df[0.645,0.059], g[1.086,0.083]
1/1 [=====] - 0s 76ms/step
>3854, dr[0.685,0.283], df[0.428,0.024], g[1.023,0.155]
1/1 [=====] - 0s 80ms/step
>3855, dr[0.503,0.310], df[0.888,0.050], g[1.003,0.055]
1/1 [=====] - 0s 77ms/step
>3856, dr[0.634,0.271], df[0.748,0.086], g[1.234,0.026]
1/1 [=====] - 0s 77ms/step
>3857, dr[0.625,0.498], df[0.572,0.006], g[1.292,0.049]
1/1 [=====] - 0s 77ms/step
>3858, dr[0.513,0.657], df[0.506,0.072], g[1.383,0.039]
1/1 [=====] - 0s 77ms/step
>3859, dr[0.678,0.582], df[0.539,0.076], g[1.174,0.077]
1/1 [=====] - 0s 83ms/step
>3860, dr[0.505,0.520], df[0.830,0.054], g[1.236,0.066]
1/1 [=====] - 0s 75ms/step
>3861, dr[0.650,0.272], df[0.403,0.015], g[1.188,0.069]
1/1 [=====] - 0s 81ms/step
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>3862, dr[0.676,0.525], df[0.467,0.042], g[1.098,0.098]
1/1 [=====] - 0s 75ms/step
>3863, dr[0.615,0.647], df[0.682,0.103], g[1.080,0.039]
1/1 [=====] - 0s 73ms/step
>3864, dr[0.430,0.517], df[0.648,0.100], g[1.095,0.102]
1/1 [=====] - 0s 81ms/step
>3865, dr[0.621,0.621], df[0.662,0.205], g[1.133,0.045]
1/1 [=====] - 0s 74ms/step
>3866, dr[0.647,0.383], df[0.637,0.021], g[1.353,0.095]
1/1 [=====] - 0s 80ms/step
>3867, dr[0.777,0.655], df[0.598,0.127], g[1.154,0.024]
1/1 [=====] - 0s 80ms/step
>3868, dr[0.565,0.568], df[0.541,0.050], g[1.130,0.046]
1/1 [=====] - 0s 84ms/step
>3869, dr[0.494,0.586], df[0.610,0.057], g[1.093,0.142]
1/1 [=====] - 0s 80ms/step
>3870, dr[0.610,0.716], df[0.614,0.051], g[1.148,0.051]
1/1 [=====] - 0s 75ms/step
>3871, dr[0.784,0.325], df[0.670,0.046], g[0.982,0.044]
1/1 [=====] - 0s 83ms/step
>3872, dr[0.434,0.231], df[0.493,0.026], g[1.172,0.069]
1/1 [=====] - 0s 79ms/step
>3873, dr[0.749,0.735], df[0.711,0.019], g[1.162,0.079]
1/1 [=====] - 0s 75ms/step
>3874, dr[0.492,0.609], df[0.622,0.062], g[1.172,0.117]
1/1 [=====] - 0s 82ms/step
>3875, dr[0.447,0.434], df[0.626,0.034], g[1.262,0.115]
1/1 [=====] - 0s 79ms/step
>3876, dr[0.665,0.741], df[0.801,0.030], g[1.241,0.023]
1/1 [=====] - 0s 83ms/step
>3877, dr[0.600,0.567], df[0.591,0.058], g[1.201,0.037]
1/1 [=====] - 0s 81ms/step
>3878, dr[0.705,0.625], df[0.694,0.084], g[1.193,0.058]
1/1 [=====] - 0s 78ms/step
>3879, dr[0.689,0.194], df[0.595,0.133], g[1.198,0.046]
1/1 [=====] - 0s 85ms/step
>3880, dr[0.586,0.369], df[0.508,0.019], g[1.221,0.189]
1/1 [=====] - 0s 74ms/step
>3881, dr[0.671,0.900], df[0.632,0.104], g[1.177,0.082]
1/1 [=====] - 0s 87ms/step
>3882, dr[0.563,0.722], df[0.451,0.048], g[1.249,0.045]
1/1 [=====] - 0s 77ms/step
>3883, dr[0.557,0.452], df[0.575,0.075], g[1.190,0.137]
1/1 [=====] - 0s 75ms/step
>3884, dr[0.649,0.493], df[0.488,0.083], g[1.279,0.064]
1/1 [=====] - 0s 86ms/step
>3885, dr[0.590,0.540], df[0.622,0.077], g[1.102,0.078]
1/1 [=====] - 0s 80ms/step
>3886, dr[0.580,0.744], df[0.581,0.022], g[1.045,0.030]
1/1 [=====] - 0s 83ms/step
>3887, dr[0.558,0.596], df[0.617,0.058], g[1.019,0.105]
1/1 [=====] - 0s 75ms/step
>3888, dr[0.618,0.378], df[0.662,0.115], g[1.061,0.033]
1/1 [=====] - 0s 80ms/step
>3889, dr[0.725,0.564], df[0.679,0.106], g[1.171,0.024]
1/1 [=====] - 0s 75ms/step
>3890, dr[0.846,0.603], df[0.752,0.038], g[1.223,0.071]
1/1 [=====] - 0s 77ms/step
>3891, dr[0.518,0.627], df[0.631,0.061], g[0.960,0.114]
1/1 [=====] - 0s 83ms/step
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>3892, dr[0.541,0.614], df[0.609,0.043], g[1.108,0.052]
1/1 [=====] - 0s 75ms/step
>3893, dr[0.622,0.272], df[0.739,0.047], g[1.224,0.062]
1/1 [=====] - 0s 78ms/step
>3894, dr[0.716,0.577], df[0.574,0.055], g[1.196,0.034]
1/1 [=====] - 0s 76ms/step
>3895, dr[0.625,0.567], df[0.654,0.056], g[1.181,0.052]
1/1 [=====] - 0s 74ms/step
>3896, dr[0.660,0.713], df[0.692,0.096], g[1.180,0.053]
1/1 [=====] - 0s 79ms/step
>3897, dr[0.495,0.321], df[0.621,0.054], g[1.210,0.080]
1/1 [=====] - 0s 74ms/step
>3898, dr[0.682,0.626], df[0.666,0.128], g[1.070,0.082]
1/1 [=====] - 0s 84ms/step
>3899, dr[0.717,0.494], df[0.706,0.047], g[1.292,0.035]
1/1 [=====] - 0s 80ms/step
>3900, dr[0.613,0.299], df[0.590,0.043], g[1.034,0.049]
1/1 [=====] - 0s 77ms/step
>3901, dr[0.488,0.249], df[0.647,0.060], g[1.257,0.025]
1/1 [=====] - 0s 77ms/step
>3902, dr[0.720,0.385], df[0.581,0.053], g[1.204,0.062]
1/1 [=====] - 0s 76ms/step
>3903, dr[0.629,0.612], df[0.567,0.024], g[1.178,0.046]
1/1 [=====] - 0s 83ms/step
>3904, dr[0.730,0.531], df[0.508,0.100], g[1.005,0.058]
1/1 [=====] - 0s 77ms/step
>3905, dr[0.732,0.796], df[0.587,0.027], g[0.902,0.026]
1/1 [=====] - 0s 75ms/step
>3906, dr[0.494,0.581], df[0.665,0.147], g[1.099,0.030]
1/1 [=====] - 0s 76ms/step
>3907, dr[0.631,0.271], df[0.780,0.036], g[1.194,0.031]
1/1 [=====] - 0s 78ms/step
>3908, dr[0.591,0.513], df[0.514,0.040], g[1.319,0.035]
1/1 [=====] - 0s 87ms/step
>3909, dr[0.611,0.395], df[0.710,0.034], g[1.106,0.048]
1/1 [=====] - 0s 79ms/step
>3910, dr[0.639,0.454], df[0.640,0.028], g[1.058,0.036]
1/1 [=====] - 0s 78ms/step
>3911, dr[0.522,0.490], df[0.535,0.059], g[0.920,0.033]
1/1 [=====] - 0s 78ms/step
>3912, dr[0.642,0.509], df[0.615,0.191], g[1.349,0.042]
1/1 [=====] - 0s 74ms/step
>3913, dr[0.535,0.641], df[0.559,0.018], g[1.243,0.051]
1/1 [=====] - 0s 80ms/step
>3914, dr[0.823,0.563], df[0.611,0.034], g[0.916,0.031]
1/1 [=====] - 0s 76ms/step
>3915, dr[0.560,0.759], df[0.659,0.086], g[0.951,0.061]
1/1 [=====] - 0s 89ms/step
>3916, dr[0.530,0.278], df[0.641,0.061], g[1.140,0.067]
1/1 [=====] - 0s 78ms/step
>3917, dr[0.519,0.431], df[0.666,0.110], g[1.204,0.078]
1/1 [=====] - 0s 87ms/step
>3918, dr[0.571,0.830], df[0.624,0.047], g[1.131,0.182]
1/1 [=====] - 0s 79ms/step
>3919, dr[0.710,0.616], df[0.535,0.021], g[1.132,0.093]
1/1 [=====] - 0s 84ms/step
>3920, dr[0.565,0.916], df[0.620,0.109], g[1.114,0.053]
1/1 [=====] - 0s 86ms/step
>3921, dr[0.731,0.593], df[0.626,0.032], g[1.084,0.038]
1/1 [=====] - 0s 75ms/step
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>3922, dr[0.633,0.624], df[0.592,0.095], g[0.922,0.059]
1/1 [=====] - 0s 76ms/step
>3923, dr[0.413,0.402], df[0.811,0.048], g[1.120,0.048]
1/1 [=====] - 0s 76ms/step
>3924, dr[0.536,0.290], df[0.678,0.034], g[1.191,0.037]
1/1 [=====] - 0s 75ms/step
>3925, dr[0.603,0.342], df[0.551,0.064], g[1.306,0.100]
1/1 [=====] - 0s 82ms/step
>3926, dr[0.701,0.426], df[0.546,0.126], g[1.133,0.064]
1/1 [=====] - 0s 74ms/step
>3927, dr[0.687,0.579], df[0.651,0.177], g[1.044,0.140]
1/1 [=====] - 0s 78ms/step
>3928, dr[0.579,0.531], df[0.597,0.056], g[1.072,0.067]
1/1 [=====] - 0s 75ms/step
>3929, dr[0.543,0.611], df[0.601,0.088], g[1.070,0.085]
1/1 [=====] - 0s 75ms/step
>3930, dr[0.570,0.418], df[0.716,0.128], g[1.124,0.069]
1/1 [=====] - 0s 87ms/step
>3931, dr[0.539,0.958], df[0.681,0.028], g[1.179,0.206]
1/1 [=====] - 0s 79ms/step
>3932, dr[0.475,0.305], df[0.465,0.053], g[1.306,0.033]
1/1 [=====] - 0s 85ms/step
>3933, dr[0.486,0.842], df[0.555,0.081], g[1.189,0.035]
1/1 [=====] - 0s 75ms/step
>3934, dr[0.631,0.551], df[0.541,0.041], g[1.051,0.073]
1/1 [=====] - 0s 74ms/step
>3935, dr[0.649,0.526], df[0.595,0.060], g[0.987,0.046]
1/1 [=====] - 0s 82ms/step
>3936, dr[0.656,0.459], df[0.724,0.035], g[1.084,0.105]
1/1 [=====] - 0s 78ms/step
>3937, dr[0.645,0.628], df[0.714,0.022], g[1.161,0.061]
1/1 [=====] - 0s 85ms/step
>3938, dr[0.616,0.428], df[0.578,0.035], g[0.936,0.071]
1/1 [=====] - 0s 76ms/step
>3939, dr[0.500,0.559], df[0.714,0.083], g[1.093,0.035]
1/1 [=====] - 0s 75ms/step
>3940, dr[0.556,0.757], df[0.503,0.069], g[1.254,0.075]
1/1 [=====] - 0s 85ms/step
>3941, dr[0.509,0.750], df[0.650,0.029], g[1.140,0.024]
1/1 [=====] - 0s 81ms/step
>3942, dr[0.611,0.513], df[0.493,0.050], g[1.029,0.077]
1/1 [=====] - 0s 82ms/step
>3943, dr[0.651,0.500], df[0.563,0.045], g[1.297,0.049]
1/1 [=====] - 0s 77ms/step
>3944, dr[0.614,0.300], df[0.724,0.052], g[1.157,0.045]
1/1 [=====] - 0s 75ms/step
>3945, dr[0.558,0.387], df[0.575,0.032], g[1.179,0.046]
1/1 [=====] - 0s 76ms/step
>3946, dr[0.675,0.283], df[0.459,0.058], g[1.055,0.033]
1/1 [=====] - 0s 75ms/step
>3947, dr[0.624,0.692], df[0.548,0.052], g[0.984,0.067]
1/1 [=====] - 0s 80ms/step
>3948, dr[0.719,0.806], df[0.689,0.037], g[0.969,0.073]
1/1 [=====] - 0s 75ms/step
>3949, dr[0.595,0.768], df[0.574,0.056], g[1.116,0.082]
1/1 [=====] - 0s 83ms/step
>3950, dr[0.623,0.281], df[0.669,0.081], g[1.192,0.064]
1/1 [=====] - 0s 74ms/step
>3951, dr[0.578,0.639], df[0.614,0.013], g[1.131,0.082]
1/1 [=====] - 0s 74ms/step
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>3952, dr[0.590,0.318], df[0.745,0.131], g[1.106,0.061]
1/1 [=====] - 0s 82ms/step
>3953, dr[0.584,0.489], df[0.683,0.045], g[1.239,0.036]
1/1 [=====] - 0s 80ms/step
>3954, dr[0.703,0.629], df[0.593,0.047], g[1.071,0.035]
1/1 [=====] - 0s 84ms/step
>3955, dr[0.505,0.666], df[0.515,0.214], g[1.197,0.028]
1/1 [=====] - 0s 77ms/step
>3956, dr[0.622,0.752], df[0.632,0.188], g[1.190,0.086]
1/1 [=====] - 0s 76ms/step
>3957, dr[0.778,0.639], df[0.709,0.164], g[1.071,0.059]
1/1 [=====] - 0s 73ms/step
>3958, dr[0.540,0.251], df[0.593,0.031], g[0.971,0.118]
1/1 [=====] - 0s 76ms/step
>3959, dr[0.669,0.514], df[0.597,0.044], g[1.120,0.121]
1/1 [=====] - 0s 83ms/step
>3960, dr[0.546,0.630], df[0.568,0.017], g[1.022,0.165]
1/1 [=====] - 0s 75ms/step
>3961, dr[0.555,0.219], df[0.645,0.067], g[0.918,0.042]
1/1 [=====] - 0s 82ms/step
>3962, dr[0.710,0.507], df[0.609,0.031], g[1.091,0.083]
1/1 [=====] - 0s 76ms/step
>3963, dr[0.612,0.414], df[0.607,0.088], g[1.152,0.061]
1/1 [=====] - 0s 82ms/step
>3964, dr[0.547,0.268], df[0.510,0.133], g[1.099,0.041]
1/1 [=====] - 0s 83ms/step
>3965, dr[0.564,0.400], df[0.701,0.081], g[1.175,0.103]
1/1 [=====] - 0s 77ms/step
>3966, dr[0.477,0.315], df[0.580,0.200], g[1.145,0.060]
1/1 [=====] - 0s 84ms/step
>3967, dr[0.637,0.487], df[0.557,0.028], g[1.257,0.052]
1/1 [=====] - 0s 75ms/step
>3968, dr[0.681,0.377], df[0.690,0.042], g[1.258,0.022]
1/1 [=====] - 0s 75ms/step
>3969, dr[0.495,0.716], df[0.552,0.033], g[1.260,0.020]
1/1 [=====] - 0s 82ms/step
>3970, dr[0.702,0.628], df[0.709,0.047], g[1.313,0.094]
1/1 [=====] - 0s 75ms/step
>3971, dr[0.441,1.112], df[0.535,0.017], g[1.275,0.090]
1/1 [=====] - 0s 84ms/step
>3972, dr[0.650,0.546], df[0.501,0.047], g[1.234,0.025]
1/1 [=====] - 0s 81ms/step
>3973, dr[0.655,0.320], df[0.523,0.050], g[1.134,0.070]
1/1 [=====] - 0s 81ms/step
>3974, dr[0.523,0.350], df[0.604,0.061], g[1.069,0.042]
1/1 [=====] - 0s 82ms/step
>3975, dr[0.635,0.523], df[0.691,0.038], g[1.130,0.089]
1/1 [=====] - 0s 74ms/step
>3976, dr[0.582,0.292], df[0.530,0.039], g[0.954,0.058]
1/1 [=====] - 0s 95ms/step
>3977, dr[0.533,0.545], df[0.577,0.034], g[1.170,0.029]
1/1 [=====] - 0s 75ms/step
>3978, dr[0.560,0.499], df[0.705,0.067], g[1.188,0.077]
1/1 [=====] - 0s 73ms/step
>3979, dr[0.533,0.419], df[0.529,0.017], g[1.130,0.041]
1/1 [=====] - 0s 82ms/step
>3980, dr[0.646,0.643], df[0.503,0.037], g[1.224,0.094]
1/1 [=====] - 0s 77ms/step
>3981, dr[0.647,0.402], df[0.530,0.074], g[1.122,0.050]
1/1 [=====] - 0s 82ms/step
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>3982, dr[0.516,0.753], df[0.612,0.064], g[0.965,0.115]
1/1 [=====] - 0s 76ms/step
>3983, dr[0.504,0.260], df[0.615,0.076], g[1.136,0.032]
1/1 [=====] - 0s 76ms/step
>3984, dr[0.611,0.600], df[0.572,0.073], g[1.217,0.057]
1/1 [=====] - 0s 78ms/step
>3985, dr[0.588,0.689], df[0.424,0.018], g[1.081,0.030]
1/1 [=====] - 0s 76ms/step
>3986, dr[0.595,0.392], df[0.758,0.098], g[1.126,0.076]
1/1 [=====] - 0s 84ms/step
>3987, dr[0.592,0.729], df[0.812,0.026], g[1.050,0.018]
1/1 [=====] - 0s 77ms/step
>3988, dr[0.606,0.771], df[0.627,0.043], g[1.092,0.151]
1/1 [=====] - 0s 74ms/step
>3989, dr[0.624,0.845], df[0.579,0.060], g[1.156,0.045]
1/1 [=====] - 0s 75ms/step
>3990, dr[0.600,0.616], df[0.622,0.031], g[0.961,0.135]
1/1 [=====] - 0s 74ms/step
>3991, dr[0.555,0.636], df[0.590,0.037], g[1.107,0.065]
1/1 [=====] - 0s 83ms/step
>3992, dr[0.526,0.563], df[0.500,0.064], g[1.101,0.055]
1/1 [=====] - 0s 78ms/step
>3993, dr[0.696,0.521], df[0.584,0.352], g[1.146,0.077]
1/1 [=====] - 0s 78ms/step
>3994, dr[0.707,0.301], df[0.557,0.209], g[0.923,0.052]
1/1 [=====] - 0s 77ms/step
>3995, dr[0.511,0.396], df[0.655,0.049], g[0.978,0.089]
1/1 [=====] - 0s 74ms/step
>3996, dr[0.577,0.607], df[0.566,0.029], g[1.024,0.082]
1/1 [=====] - 0s 81ms/step
>3997, dr[0.585,0.456], df[0.722,0.061], g[1.052,0.037]
1/1 [=====] - 0s 74ms/step
>3998, dr[0.482,0.578], df[0.559,0.007], g[1.045,0.041]
1/1 [=====] - 0s 82ms/step
>3999, dr[0.564,0.518], df[0.482,0.074], g[1.205,0.038]
1/1 [=====] - 0s 74ms/step
>4000, dr[0.485,0.160], df[0.572,0.046], g[1.192,0.073]
1/1 [=====] - 0s 76ms/step
>4001, dr[0.499,0.683], df[0.484,0.072], g[1.152,0.052]
1/1 [=====] - 0s 77ms/step
>4002, dr[0.607,0.512], df[0.481,0.120], g[1.133,0.079]
1/1 [=====] - 0s 80ms/step
>4003, dr[0.560,0.327], df[0.630,0.033], g[0.964,0.072]
1/1 [=====] - 0s 83ms/step
>4004, dr[0.529,0.508], df[0.583,0.050], g[1.296,0.065]
1/1 [=====] - 0s 76ms/step
>4005, dr[0.731,0.471], df[0.628,0.085], g[1.025,0.078]
1/1 [=====] - 0s 75ms/step
>4006, dr[0.463,0.633], df[0.614,0.018], g[1.303,0.092]
1/1 [=====] - 0s 76ms/step
>4007, dr[0.604,0.562], df[0.509,0.017], g[0.968,0.135]
1/1 [=====] - 0s 75ms/step
>4008, dr[0.610,0.414], df[0.684,0.046], g[0.965,0.041]
1/1 [=====] - 0s 83ms/step
>4009, dr[0.578,0.408], df[0.775,0.043], g[1.173,0.045]
1/1 [=====] - 0s 73ms/step
>4010, dr[0.590,0.215], df[0.502,0.044], g[1.078,0.101]
1/1 [=====] - 0s 82ms/step
>4011, dr[0.559,0.424], df[0.755,0.022], g[1.215,0.068]
1/1 [=====] - 0s 88ms/step
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>4012, dr[0.535,0.562], df[0.493,0.043], g[1.234,0.105]
1/1 [=====] - 0s 94ms/step
>4013, dr[0.525,0.903], df[0.517,0.015], g[1.229,0.024]
1/1 [=====] - 0s 102ms/step
>4014, dr[0.624,0.283], df[0.495,0.067], g[1.179,0.107]
1/1 [=====] - 0s 95ms/step
>4015, dr[0.499,0.260], df[0.607,0.063], g[0.975,0.133]
1/1 [=====] - 0s 92ms/step
>4016, dr[0.479,0.540], df[0.538,0.019], g[1.110,0.052]
1/1 [=====] - 0s 103ms/step
>4017, dr[0.696,0.409], df[0.506,0.038], g[1.121,0.064]
1/1 [=====] - 0s 122ms/step
>4018, dr[0.518,0.512], df[0.756,0.033], g[1.069,0.044]
1/1 [=====] - 0s 116ms/step
>4019, dr[0.568,0.605], df[0.509,0.081], g[1.048,0.045]
1/1 [=====] - 0s 100ms/step
>4020, dr[0.676,0.572], df[0.745,0.146], g[0.977,0.056]
1/1 [=====] - 0s 97ms/step
>4021, dr[0.457,0.727], df[0.601,0.039], g[1.334,0.040]
1/1 [=====] - 0s 111ms/step
>4022, dr[0.791,0.747], df[0.629,0.074], g[1.106,0.078]
1/1 [=====] - 0s 113ms/step
>4023, dr[0.569,0.320], df[0.679,0.055], g[1.316,0.107]
1/1 [=====] - 0s 97ms/step
>4024, dr[0.630,0.546], df[0.601,0.074], g[1.126,0.084]
1/1 [=====] - 0s 152ms/step
>4025, dr[0.689,0.913], df[0.834,0.021], g[1.018,0.045]
1/1 [=====] - 0s 137ms/step
>4026, dr[0.513,0.353], df[0.475,0.086], g[1.199,0.069]
1/1 [=====] - 0s 174ms/step
>4027, dr[0.596,0.330], df[0.688,0.145], g[1.324,0.044]
1/1 [=====] - 0s 110ms/step
>4028, dr[0.893,0.426], df[0.575,0.056], g[1.067,0.064]
1/1 [=====] - 0s 116ms/step
>4029, dr[0.582,0.465], df[0.520,0.034], g[1.054,0.063]
1/1 [=====] - 0s 112ms/step
>4030, dr[0.665,0.531], df[0.805,0.048], g[1.162,0.046]
1/1 [=====] - 0s 87ms/step
>4031, dr[0.633,0.897], df[0.729,0.166], g[1.108,0.043]
1/1 [=====] - 0s 95ms/step
>4032, dr[0.531,0.679], df[0.519,0.064], g[1.265,0.061]
1/1 [=====] - 0s 93ms/step
>4033, dr[0.608,1.072], df[0.766,0.073], g[1.214,0.103]
1/1 [=====] - 0s 80ms/step
>4034, dr[0.651,0.699], df[0.546,0.084], g[1.344,0.029]
1/1 [=====] - 0s 86ms/step
>4035, dr[0.630,0.603], df[0.569,0.058], g[1.261,0.064]
1/1 [=====] - 0s 85ms/step
>4036, dr[0.708,0.628], df[0.598,0.128], g[1.242,0.048]
1/1 [=====] - 0s 81ms/step
>4037, dr[0.646,0.578], df[0.697,0.077], g[1.095,0.036]
1/1 [=====] - 0s 99ms/step
>4038, dr[0.520,0.463], df[0.642,0.072], g[1.044,0.073]
1/1 [=====] - 0s 79ms/step
>4039, dr[0.625,0.694], df[0.570,0.084], g[1.157,0.096]
1/1 [=====] - 0s 77ms/step
>4040, dr[0.712,0.357], df[0.672,0.117], g[1.077,0.096]
1/1 [=====] - 0s 84ms/step
>4041, dr[0.550,0.409], df[0.548,0.037], g[1.120,0.045]
1/1 [=====] - 0s 76ms/step
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>4042, dr[0.475,1.032], df[0.548,0.045], g[1.102,0.061]
1/1 [=====] - 0s 75ms/step
>4043, dr[0.571,0.522], df[0.527,0.040], g[1.113,0.062]
1/1 [=====] - 0s 79ms/step
>4044, dr[0.636,0.564], df[0.535,0.092], g[1.046,0.058]
1/1 [=====] - 0s 83ms/step
>4045, dr[0.454,0.620], df[0.673,0.034], g[1.075,0.053]
1/1 [=====] - 0s 82ms/step
>4046, dr[0.515,0.458], df[0.580,0.114], g[1.160,0.143]
1/1 [=====] - 0s 76ms/step
>4047, dr[0.658,0.532], df[0.716,0.080], g[1.179,0.083]
1/1 [=====] - 0s 75ms/step
>4048, dr[0.548,0.615], df[0.475,0.020], g[1.217,0.084]
1/1 [=====] - 0s 80ms/step
>4049, dr[0.906,1.058], df[0.683,0.099], g[0.948,0.155]
1/1 [=====] - 0s 75ms/step
>4050, dr[0.603,0.448], df[0.854,0.087], g[1.084,0.067]
1/1 [=====] - 0s 82ms/step
>4051, dr[0.483,0.418], df[0.721,0.062], g[1.325,0.052]
1/1 [=====] - 0s 77ms/step
>4052, dr[0.561,0.384], df[0.525,0.073], g[1.195,0.057]
1/1 [=====] - 0s 77ms/step
>4053, dr[0.641,0.366], df[0.573,0.041], g[1.183,0.028]
1/1 [=====] - 0s 85ms/step
>4054, dr[0.667,0.377], df[0.602,0.027], g[0.956,0.040]
1/1 [=====] - 0s 76ms/step
>4055, dr[0.545,0.613], df[0.498,0.022], g[0.868,0.061]
1/1 [=====] - 0s 80ms/step
>4056, dr[0.626,0.929], df[0.723,0.064], g[0.922,0.121]
1/1 [=====] - 0s 75ms/step
>4057, dr[0.694,0.799], df[0.547,0.048], g[1.250,0.046]
1/1 [=====] - 0s 75ms/step
>4058, dr[0.567,0.535], df[0.699,0.056], g[1.269,0.059]
1/1 [=====] - 0s 75ms/step
>4059, dr[0.605,0.315], df[0.725,0.070], g[1.186,0.052]
1/1 [=====] - 0s 77ms/step
>4060, dr[0.657,0.275], df[0.642,0.092], g[1.155,0.044]
1/1 [=====] - 0s 82ms/step
>4061, dr[0.600,0.656], df[0.583,0.083], g[1.215,0.059]
1/1 [=====] - 0s 74ms/step
>4062, dr[0.591,0.239], df[0.701,0.059], g[1.192,0.048]
1/1 [=====] - 0s 75ms/step
>4063, dr[0.681,0.818], df[0.546,0.038], g[0.999,0.086]
1/1 [=====] - 0s 80ms/step
>4064, dr[0.670,0.367], df[0.588,0.030], g[1.160,0.029]
1/1 [=====] - 0s 78ms/step
>4065, dr[0.579,0.750], df[0.700,0.090], g[0.986,0.065]
1/1 [=====] - 0s 90ms/step
>4066, dr[0.489,0.725], df[0.626,0.053], g[1.033,0.124]
1/1 [=====] - 0s 76ms/step
>4067, dr[0.501,0.413], df[0.427,0.113], g[1.086,0.093]
1/1 [=====] - 0s 85ms/step
>4068, dr[0.596,0.340], df[0.535,0.038], g[1.082,0.070]
1/1 [=====] - 0s 88ms/step
>4069, dr[0.599,0.519], df[0.621,0.054], g[1.063,0.041]
1/1 [=====] - 0s 74ms/step
>4070, dr[0.547,0.512], df[0.647,0.028], g[1.080,0.123]
1/1 [=====] - 0s 85ms/step
>4071, dr[0.630,0.685], df[0.796,0.070], g[1.102,0.036]
1/1 [=====] - 0s 85ms/step
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>4072, dr[0.694,0.646], df[0.736,0.147], g[1.124,0.046]
1/1 [=====] - 0s 76ms/step
>4073, dr[0.566,0.578], df[0.511,0.041], g[1.148,0.040]
1/1 [=====] - 0s 80ms/step
>4074, dr[0.600,0.299], df[0.568,0.035], g[1.066,0.049]
1/1 [=====] - 0s 73ms/step
>4075, dr[0.673,0.626], df[0.727,0.061], g[1.130,0.041]
1/1 [=====] - 0s 74ms/step
>4076, dr[0.617,0.676], df[0.661,0.052], g[1.013,0.046]
1/1 [=====] - 0s 85ms/step
>4077, dr[0.494,0.304], df[0.606,0.023], g[1.235,0.050]
1/1 [=====] - 0s 77ms/step
>4078, dr[0.577,0.356], df[0.549,0.038], g[1.207,0.057]
1/1 [=====] - 0s 81ms/step
>4079, dr[0.568,0.288], df[0.548,0.030], g[1.212,0.040]
1/1 [=====] - 0s 73ms/step
>4080, dr[0.582,0.352], df[0.775,0.058], g[1.246,0.098]
1/1 [=====] - 0s 74ms/step
>4081, dr[0.574,0.270], df[0.511,0.114], g[1.186,0.065]
1/1 [=====] - 0s 82ms/step
>4082, dr[0.668,0.336], df[0.578,0.024], g[1.308,0.055]
1/1 [=====] - 0s 76ms/step
>4083, dr[0.560,0.175], df[0.665,0.036], g[1.232,0.084]
1/1 [=====] - 0s 82ms/step
>4084, dr[0.800,0.363], df[0.661,0.019], g[1.076,0.068]
1/1 [=====] - 0s 87ms/step
>4085, dr[0.653,0.563], df[0.581,0.019], g[1.175,0.053]
1/1 [=====] - 0s 77ms/step
>4086, dr[0.741,0.386], df[0.757,0.032], g[1.223,0.048]
1/1 [=====] - 0s 88ms/step
>4087, dr[0.611,0.320], df[0.721,0.105], g[1.134,0.056]
1/1 [=====] - 0s 77ms/step
>4088, dr[0.587,0.553], df[0.604,0.148], g[1.200,0.023]
1/1 [=====] - 0s 75ms/step
>4089, dr[0.690,0.731], df[0.690,0.055], g[1.056,0.058]
1/1 [=====] - 0s 84ms/step
>4090, dr[0.656,0.332], df[0.640,0.069], g[1.092,0.042]
1/1 [=====] - 0s 80ms/step
>4091, dr[0.690,0.555], df[0.715,0.036], g[0.980,0.063]
1/1 [=====] - 0s 78ms/step
>4092, dr[0.496,0.274], df[0.650,0.020], g[1.076,0.071]
1/1 [=====] - 0s 77ms/step
>4093, dr[0.555,0.660], df[0.630,0.093], g[1.268,0.086]
1/1 [=====] - 0s 78ms/step
>4094, dr[0.740,0.257], df[0.667,0.062], g[0.996,0.050]
1/1 [=====] - 0s 76ms/step
>4095, dr[0.620,0.480], df[0.692,0.130], g[1.381,0.051]
1/1 [=====] - 0s 76ms/step
>4096, dr[0.728,0.819], df[0.586,0.054], g[1.169,0.047]
1/1 [=====] - 0s 82ms/step
>4097, dr[0.594,0.452], df[0.567,0.073], g[1.027,0.158]
1/1 [=====] - 0s 75ms/step
>4098, dr[0.614,0.431], df[0.709,0.032], g[1.258,0.073]
1/1 [=====] - 0s 83ms/step
>4099, dr[0.501,0.781], df[0.753,0.022], g[1.098,0.055]
1/1 [=====] - 0s 76ms/step
>4100, dr[0.588,0.446], df[0.528,0.082], g[1.238,0.034]
1/1 [=====] - 0s 75ms/step
>4101, dr[0.585,0.866], df[0.452,0.069], g[1.205,0.072]
1/1 [=====] - 0s 77ms/step
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>4102, dr[0.576,0.515], df[0.676,0.095], g[1.113,0.059]
1/1 [=====] - 0s 75ms/step
>4103, dr[0.793,0.524], df[0.537,0.069], g[1.072,0.048]
1/1 [=====] - 0s 82ms/step
>4104, dr[0.679,0.419], df[0.508,0.061], g[0.895,0.096]
1/1 [=====] - 0s 77ms/step
>4105, dr[0.475,0.610], df[0.685,0.039], g[0.929,0.170]
1/1 [=====] - 0s 76ms/step
>4106, dr[0.589,0.409], df[0.526,0.060], g[1.043,0.094]
1/1 [=====] - 0s 75ms/step
>4107, dr[0.590,0.375], df[0.585,0.025], g[1.092,0.056]
1/1 [=====] - 0s 78ms/step
>4108, dr[0.623,0.356], df[0.729,0.113], g[1.166,0.029]
1/1 [=====] - 0s 80ms/step
>4109, dr[0.693,0.561], df[0.694,0.076], g[1.184,0.091]
1/1 [=====] - 0s 74ms/step
>4110, dr[0.533,0.530], df[0.682,0.058], g[1.078,0.132]
1/1 [=====] - 0s 77ms/step
>4111, dr[0.661,0.567], df[0.499,0.042], g[1.201,0.038]
1/1 [=====] - 0s 82ms/step
>4112, dr[0.555,0.591], df[0.579,0.027], g[1.022,0.059]
1/1 [=====] - 0s 74ms/step
>4113, dr[0.738,0.697], df[0.768,0.058], g[1.216,0.042]
1/1 [=====] - 0s 85ms/step
>4114, dr[0.558,0.788], df[0.603,0.035], g[1.038,0.049]
1/1 [=====] - 0s 76ms/step
>4115, dr[0.525,0.277], df[0.621,0.035], g[1.128,0.048]
1/1 [=====] - 0s 82ms/step
>4116, dr[0.745,0.619], df[0.592,0.243], g[1.019,0.042]
1/1 [=====] - 0s 75ms/step
>4117, dr[0.403,0.662], df[0.612,0.070], g[1.130,0.054]
1/1 [=====] - 0s 78ms/step
>4118, dr[0.706,0.423], df[0.570,0.034], g[1.054,0.099]
1/1 [=====] - 0s 83ms/step
>4119, dr[0.531,0.666], df[0.707,0.090], g[1.197,0.044]
1/1 [=====] - 0s 80ms/step
>4120, dr[0.699,1.011], df[0.645,0.038], g[1.323,0.053]
1/1 [=====] - 0s 85ms/step
>4121, dr[0.575,0.457], df[0.620,0.043], g[1.209,0.053]
1/1 [=====] - 0s 82ms/step
>4122, dr[0.672,0.488], df[0.604,0.091], g[1.254,0.044]
1/1 [=====] - 0s 75ms/step
>4123, dr[0.582,0.604], df[0.761,0.037], g[1.189,0.058]
1/1 [=====] - 0s 80ms/step
>4124, dr[0.750,0.307], df[0.538,0.037], g[1.150,0.036]
1/1 [=====] - 0s 75ms/step
>4125, dr[0.617,0.472], df[0.703,0.051], g[0.996,0.059]
1/1 [=====] - 0s 79ms/step
>4126, dr[0.644,0.298], df[0.628,0.086], g[1.217,0.105]
1/1 [=====] - 0s 77ms/step
>4127, dr[0.467,0.307], df[0.545,0.082], g[1.176,0.044]
1/1 [=====] - 0s 75ms/step
>4128, dr[0.737,0.701], df[0.621,0.082], g[1.076,0.071]
1/1 [=====] - 0s 79ms/step
>4129, dr[0.647,0.422], df[0.664,0.052], g[1.215,0.085]
1/1 [=====] - 0s 74ms/step
>4130, dr[0.596,0.338], df[0.473,0.096], g[1.146,0.110]
1/1 [=====] - 0s 86ms/step
>4131, dr[0.737,0.477], df[0.716,0.232], g[0.973,0.056]
1/1 [=====] - 0s 75ms/step
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>4132, dr[0.527,0.531], df[0.665,0.054], g[0.948,0.047]
1/1 [=====] - 0s 82ms/step
>4133, dr[0.538,0.293], df[0.647,0.050], g[1.086,0.114]
1/1 [=====] - 0s 79ms/step
>4134, dr[0.681,0.388], df[0.585,0.026], g[1.170,0.062]
1/1 [=====] - 0s 82ms/step
>4135, dr[0.719,0.396], df[0.674,0.048], g[1.231,0.072]
1/1 [=====] - 0s 101ms/step
>4136, dr[0.578,0.506], df[0.675,0.050], g[1.216,0.050]
1/1 [=====] - 0s 78ms/step
>4137, dr[0.568,0.433], df[0.612,0.073], g[1.179,0.054]
1/1 [=====] - 0s 77ms/step
>4138, dr[0.693,0.281], df[0.670,0.061], g[1.198,0.055]
1/1 [=====] - 0s 81ms/step
>4139, dr[0.654,0.417], df[0.496,0.076], g[1.073,0.056]
1/1 [=====] - 0s 78ms/step
>4140, dr[0.672,0.608], df[0.636,0.029], g[0.996,0.018]
1/1 [=====] - 0s 80ms/step
>4141, dr[0.492,0.449], df[0.710,0.053], g[1.004,0.084]
1/1 [=====] - 0s 76ms/step
>4142, dr[0.560,0.826], df[0.811,0.099], g[1.132,0.109]
1/1 [=====] - 0s 74ms/step
>4143, dr[0.527,0.903], df[0.655,0.064], g[1.141,0.038]
1/1 [=====] - 0s 78ms/step
>4144, dr[0.600,0.486], df[0.565,0.071], g[1.018,0.033]
1/1 [=====] - 0s 78ms/step
>4145, dr[0.661,0.519], df[0.502,0.051], g[1.158,0.058]
1/1 [=====] - 0s 87ms/step
>4146, dr[0.656,1.005], df[0.511,0.091], g[1.050,0.122]
1/1 [=====] - 0s 99ms/step
>4147, dr[0.550,0.476], df[0.675,0.213], g[1.072,0.029]
1/1 [=====] - 0s 82ms/step
>4148, dr[0.615,1.003], df[0.724,0.060], g[0.980,0.123]
1/1 [=====] - 0s 94ms/step
>4149, dr[0.534,0.401], df[0.583,0.109], g[1.147,0.041]
1/1 [=====] - 0s 83ms/step
>4150, dr[0.641,0.677], df[0.662,0.033], g[1.169,0.048]
1/1 [=====] - 0s 83ms/step
>4151, dr[0.499,0.394], df[0.569,0.087], g[1.215,0.085]
1/1 [=====] - 0s 88ms/step
>4152, dr[0.731,0.173], df[0.510,0.036], g[1.163,0.036]
1/1 [=====] - 0s 84ms/step
>4153, dr[0.662,1.002], df[0.710,0.061], g[0.973,0.052]
1/1 [=====] - 0s 87ms/step
>4154, dr[0.464,0.727], df[0.588,0.137], g[0.978,0.087]
1/1 [=====] - 0s 90ms/step
>4155, dr[0.523,0.407], df[0.789,0.113], g[1.188,0.032]
1/1 [=====] - 0s 79ms/step
>4156, dr[0.661,0.597], df[0.532,0.066], g[1.034,0.039]
1/1 [=====] - 0s 81ms/step
>4157, dr[0.716,0.399], df[0.723,0.116], g[1.321,0.046]
1/1 [=====] - 0s 91ms/step
>4158, dr[0.590,0.180], df[0.548,0.035], g[1.098,0.035]
1/1 [=====] - 0s 83ms/step
>4159, dr[0.715,0.438], df[0.580,0.035], g[1.066,0.067]
1/1 [=====] - 0s 84ms/step
>4160, dr[0.535,0.980], df[0.650,0.039], g[1.167,0.053]
1/1 [=====] - 0s 85ms/step
>4161, dr[0.568,0.726], df[0.526,0.019], g[1.062,0.075]
1/1 [=====] - 0s 81ms/step
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>4162, dr[0.586,0.327], df[0.597,0.022], g[1.190,0.048]
1/1 [=====] - 0s 92ms/step
>4163, dr[0.658,0.588], df[0.621,0.048], g[0.993,0.059]
1/1 [=====] - 0s 82ms/step
>4164, dr[0.631,0.595], df[0.835,0.139], g[1.047,0.028]
1/1 [=====] - 0s 86ms/step
>4165, dr[0.592,0.274], df[0.644,0.033], g[1.065,0.047]
1/1 [=====] - 0s 92ms/step
>4166, dr[0.505,0.505], df[0.691,0.045], g[1.053,0.092]
1/1 [=====] - 0s 93ms/step
>4167, dr[0.614,0.667], df[0.513,0.018], g[1.086,0.060]
1/1 [=====] - 0s 85ms/step
>4168, dr[0.651,0.919], df[0.669,0.052], g[1.005,0.125]
1/1 [=====] - 0s 97ms/step
>4169, dr[0.686,0.234], df[0.599,0.104], g[1.114,0.046]
1/1 [=====] - 0s 86ms/step
>4170, dr[0.463,0.828], df[0.673,0.056], g[1.186,0.041]
1/1 [=====] - 0s 85ms/step
>4171, dr[0.639,0.563], df[0.624,0.033], g[1.140,0.046]
1/1 [=====] - 0s 102ms/step
>4172, dr[0.716,0.460], df[0.714,0.030], g[1.102,0.152]
1/1 [=====] - 0s 85ms/step
>4173, dr[0.781,0.889], df[0.708,0.068], g[1.111,0.059]
1/1 [=====] - 0s 88ms/step
>4174, dr[0.751,0.805], df[0.618,0.044], g[1.118,0.052]
1/1 [=====] - 0s 92ms/step
>4175, dr[0.569,0.257], df[0.693,0.055], g[1.184,0.085]
1/1 [=====] - 0s 88ms/step
>4176, dr[0.637,0.827], df[0.619,0.108], g[1.073,0.074]
1/1 [=====] - 0s 84ms/step
>4177, dr[0.504,0.623], df[0.520,0.039], g[1.197,0.038]
1/1 [=====] - 0s 96ms/step
>4178, dr[0.554,0.598], df[0.546,0.063], g[1.197,0.085]
1/1 [=====] - 0s 82ms/step
>4179, dr[0.727,0.820], df[0.582,0.082], g[0.952,0.068]
1/1 [=====] - 0s 97ms/step
>4180, dr[0.577,0.768], df[0.781,0.055], g[1.108,0.046]
1/1 [=====] - 0s 87ms/step
>4181, dr[0.642,0.566], df[0.642,0.045], g[1.215,0.063]
1/1 [=====] - 0s 84ms/step
>4182, dr[0.596,0.420], df[0.651,0.057], g[1.199,0.051]
1/1 [=====] - 0s 80ms/step
>4183, dr[0.519,0.487], df[0.542,0.066], g[1.244,0.038]
1/1 [=====] - 0s 82ms/step
>4184, dr[0.613,0.266], df[0.518,0.029], g[1.142,0.112]
1/1 [=====] - 0s 86ms/step
>4185, dr[0.623,0.437], df[0.770,0.173], g[1.170,0.031]
1/1 [=====] - 0s 88ms/step
>4186, dr[0.602,0.545], df[0.470,0.063], g[1.094,0.084]
1/1 [=====] - 0s 84ms/step
>4187, dr[0.927,0.908], df[0.587,0.159], g[1.031,0.036]
1/1 [=====] - 0s 74ms/step
>4188, dr[0.633,0.546], df[0.586,0.077], g[0.896,0.058]
1/1 [=====] - 0s 87ms/step
>4189, dr[0.498,0.244], df[0.750,0.029], g[0.872,0.050]
1/1 [=====] - 0s 76ms/step
>4190, dr[0.576,0.586], df[0.619,0.023], g[1.052,0.056]
1/1 [=====] - 0s 77ms/step
>4191, dr[0.673,0.605], df[0.702,0.106], g[1.101,0.069]
1/1 [=====] - 0s 127ms/step
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>4192, dr[0.705,0.308], df[0.589,0.130], g[1.099,0.062]
1/1 [=====] - 0s 78ms/step
>4193, dr[0.632,0.511], df[0.679,0.043], g[1.007,0.052]
1/1 [=====] - 0s 86ms/step
>4194, dr[0.553,0.457], df[0.690,0.020], g[1.149,0.039]
1/1 [=====] - 0s 75ms/step
>4195, dr[0.642,0.525], df[0.552,0.061], g[0.957,0.056]
1/1 [=====] - 0s 75ms/step
>4196, dr[0.654,0.299], df[0.586,0.059], g[1.104,0.122]
1/1 [=====] - 0s 79ms/step
>4197, dr[0.487,0.307], df[0.769,0.051], g[1.014,0.056]
1/1 [=====] - 0s 75ms/step
>4198, dr[0.506,0.683], df[0.635,0.069], g[1.143,0.077]
1/1 [=====] - 0s 84ms/step
>4199, dr[0.642,0.908], df[0.553,0.053], g[1.101,0.047]
1/1 [=====] - 0s 76ms/step
>4200, dr[0.804,0.458], df[0.573,0.030], g[1.075,0.060]
1/1 [=====] - 0s 81ms/step
>4201, dr[0.501,0.322], df[0.686,0.016], g[1.068,0.032]
1/1 [=====] - 0s 78ms/step
>4202, dr[0.715,0.352], df[0.633,0.049], g[1.167,0.019]
1/1 [=====] - 0s 74ms/step
>4203, dr[0.523,0.244], df[0.719,0.073], g[1.125,0.075]
1/1 [=====] - 0s 81ms/step
>4204, dr[0.629,0.649], df[0.620,0.027], g[1.046,0.044]
1/1 [=====] - 0s 75ms/step
>4205, dr[0.644,0.293], df[0.577,0.030], g[1.093,0.074]
1/1 [=====] - 0s 78ms/step
>4206, dr[0.576,0.237], df[0.551,0.039], g[1.279,0.051]
1/1 [=====] - 0s 76ms/step
>4207, dr[0.552,0.602], df[0.587,0.028], g[1.267,0.084]
1/1 [=====] - 0s 78ms/step
>4208, dr[0.687,0.568], df[0.598,0.048], g[1.116,0.054]
1/1 [=====] - 0s 81ms/step
>4209, dr[0.641,0.534], df[0.646,0.059], g[0.993,0.111]
1/1 [=====] - 0s 83ms/step
>4210, dr[0.648,0.705], df[0.691,0.268], g[1.218,0.046]
1/1 [=====] - 0s 74ms/step
>4211, dr[0.495,0.467], df[0.684,0.049], g[1.379,0.064]
1/1 [=====] - 0s 76ms/step
>4212, dr[0.590,0.277], df[0.630,0.081], g[1.311,0.061]
1/1 [=====] - 0s 74ms/step
>4213, dr[0.641,0.562], df[0.553,0.069], g[1.014,0.064]
1/1 [=====] - 0s 83ms/step
>4214, dr[0.645,0.542], df[0.613,0.047], g[1.044,0.034]
1/1 [=====] - 0s 75ms/step
>4215, dr[0.708,1.013], df[0.717,0.160], g[0.951,0.039]
1/1 [=====] - 0s 77ms/step
>4216, dr[0.613,0.843], df[0.623,0.033], g[0.996,0.168]
1/1 [=====] - 0s 75ms/step
>4217, dr[0.505,0.288], df[0.573,0.065], g[1.093,0.068]
1/1 [=====] - 0s 77ms/step
>4218, dr[0.577,0.647], df[0.555,0.052], g[1.279,0.040]
1/1 [=====] - 0s 88ms/step
>4219, dr[0.611,0.542], df[0.503,0.087], g[1.105,0.097]
1/1 [=====] - 0s 78ms/step
>4220, dr[0.626,0.378], df[0.655,0.034], g[0.997,0.080]
1/1 [=====] - 0s 82ms/step
>4221, dr[0.593,0.368], df[0.520,0.021], g[1.162,0.052]
1/1 [=====] - 0s 74ms/step
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>4222, dr[0.571,0.294], df[0.642,0.024], g[0.985,0.031]
1/1 [=====] - 0s 75ms/step
>4223, dr[0.715,0.878], df[0.835,0.111], g[1.055,0.118]
1/1 [=====] - 0s 81ms/step
>4224, dr[0.588,0.626], df[0.552,0.031], g[1.085,0.090]
1/1 [=====] - 0s 75ms/step
>4225, dr[0.571,0.292], df[0.666,0.022], g[1.268,0.067]
1/1 [=====] - 0s 82ms/step
>4226, dr[0.738,0.660], df[0.550,0.044], g[1.102,0.060]
1/1 [=====] - 0s 73ms/step
>4227, dr[0.583,0.543], df[0.550,0.041], g[1.074,0.047]
1/1 [=====] - 0s 80ms/step
>4228, dr[0.685,0.546], df[0.749,0.033], g[1.061,0.064]
1/1 [=====] - 0s 84ms/step
>4229, dr[0.536,0.237], df[0.467,0.077], g[1.154,0.087]
1/1 [=====] - 0s 84ms/step
>4230, dr[0.564,1.022], df[0.744,0.072], g[1.039,0.062]
1/1 [=====] - 0s 82ms/step
>4231, dr[0.541,0.170], df[0.584,0.022], g[1.197,0.063]
1/1 [=====] - 0s 76ms/step
>4232, dr[0.593,0.509], df[0.506,0.038], g[1.082,0.042]
1/1 [=====] - 0s 76ms/step
>4233, dr[0.596,0.564], df[0.510,0.039], g[1.070,0.053]
1/1 [=====] - 0s 77ms/step
>4234, dr[0.607,0.352], df[0.754,0.073], g[1.203,0.034]
1/1 [=====] - 0s 75ms/step
>4235, dr[0.545,1.196], df[0.625,0.050], g[1.178,0.041]
1/1 [=====] - 0s 88ms/step
>4236, dr[0.578,0.230], df[0.708,0.028], g[1.212,0.048]
1/1 [=====] - 0s 76ms/step
>4237, dr[0.594,0.271], df[0.607,0.056], g[1.097,0.102]
1/1 [=====] - 0s 76ms/step
>4238, dr[0.566,0.656], df[0.641,0.059], g[1.137,0.035]
1/1 [=====] - 0s 75ms/step
>4239, dr[0.691,0.669], df[0.494,0.039], g[1.307,0.042]
1/1 [=====] - 0s 76ms/step
>4240, dr[0.706,0.637], df[0.822,0.041], g[1.050,0.056]
1/1 [=====] - 0s 83ms/step
>4241, dr[0.515,0.469], df[0.596,0.037], g[1.060,0.044]
1/1 [=====] - 0s 78ms/step
>4242, dr[0.536,0.371], df[0.528,0.023], g[1.121,0.137]
1/1 [=====] - 0s 74ms/step
>4243, dr[0.611,0.821], df[0.695,0.026], g[1.127,0.077]
1/1 [=====] - 0s 80ms/step
>4244, dr[0.643,0.452], df[0.542,0.080], g[0.985,0.050]
1/1 [=====] - 0s 75ms/step
>4245, dr[0.679,0.590], df[0.604,0.073], g[1.046,0.096]
1/1 [=====] - 0s 83ms/step
>4246, dr[0.485,0.230], df[0.681,0.109], g[1.184,0.050]
1/1 [=====] - 0s 78ms/step
>4247, dr[0.565,0.615], df[0.647,0.038], g[1.091,0.052]
1/1 [=====] - 0s 80ms/step
>4248, dr[0.653,0.981], df[0.674,0.145], g[1.087,0.045]
1/1 [=====] - 0s 75ms/step
>4249, dr[0.657,0.581], df[0.587,0.040], g[1.118,0.041]
1/1 [=====] - 0s 75ms/step
>4250, dr[0.735,0.463], df[0.534,0.074], g[1.156,0.083]
1/1 [=====] - 0s 82ms/step
>4251, dr[0.482,0.376], df[0.651,0.040], g[0.906,0.084]
1/1 [=====] - 0s 74ms/step
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>4252, dr[0.499,0.492], df[0.584,0.102], g[1.035,0.045]
1/1 [=====] - 0s 81ms/step
>4253, dr[0.684,0.474], df[0.794,0.097], g[1.288,0.063]
1/1 [=====] - 0s 82ms/step
>4254, dr[0.665,0.804], df[0.417,0.015], g[1.170,0.095]
1/1 [=====] - 0s 76ms/step
>4255, dr[0.572,0.393], df[0.544,0.054], g[1.065,0.050]
1/1 [=====] - 0s 83ms/step
>4256, dr[0.645,0.818], df[0.624,0.031], g[1.151,0.043]
1/1 [=====] - 0s 82ms/step
>4257, dr[0.539,0.588], df[0.666,0.067], g[1.050,0.062]
1/1 [=====] - 0s 75ms/step
>4258, dr[0.697,0.689], df[0.571,0.033], g[1.196,0.063]
1/1 [=====] - 0s 77ms/step
>4259, dr[0.674,0.246], df[0.594,0.100], g[1.037,0.037]
1/1 [=====] - 0s 78ms/step
>4260, dr[0.485,0.249], df[0.602,0.082], g[1.190,0.076]
1/1 [=====] - 0s 83ms/step
>4261, dr[0.528,0.592], df[0.656,0.111], g[1.129,0.093]
1/1 [=====] - 0s 74ms/step
>4262, dr[0.512,0.414], df[0.603,0.061], g[1.107,0.070]
1/1 [=====] - 0s 77ms/step
>4263, dr[0.711,0.303], df[0.515,0.026], g[1.106,0.056]
1/1 [=====] - 0s 73ms/step
>4264, dr[0.754,0.508], df[0.686,0.048], g[1.061,0.101]
1/1 [=====] - 0s 73ms/step
>4265, dr[0.436,0.489], df[0.604,0.083], g[1.174,0.058]
1/1 [=====] - 0s 91ms/step
>4266, dr[0.526,0.389], df[0.544,0.067], g[1.135,0.077]
1/1 [=====] - 0s 75ms/step
>4267, dr[0.575,0.503], df[0.738,0.062], g[1.237,0.068]
1/1 [=====] - 0s 81ms/step
>4268, dr[0.610,0.460], df[0.560,0.040], g[1.247,0.076]
1/1 [=====] - 0s 83ms/step
>4269, dr[0.562,0.629], df[0.514,0.087], g[1.205,0.044]
1/1 [=====] - 0s 83ms/step
>4270, dr[0.669,0.568], df[0.611,0.041], g[1.111,0.085]
1/1 [=====] - 0s 81ms/step
>4271, dr[0.549,0.371], df[0.530,0.053], g[1.119,0.093]
1/1 [=====] - 0s 77ms/step
>4272, dr[0.621,0.389], df[0.517,0.040], g[1.165,0.038]
1/1 [=====] - 0s 76ms/step
>4273, dr[0.491,0.399], df[0.589,0.026], g[0.953,0.070]
1/1 [=====] - 0s 78ms/step
>4274, dr[0.654,0.469], df[0.550,0.034], g[1.034,0.084]
1/1 [=====] - 0s 83ms/step
>4275, dr[0.547,0.447], df[0.611,0.098], g[1.076,0.061]
1/1 [=====] - 0s 85ms/step
>4276, dr[0.590,0.744], df[0.740,0.041], g[1.042,0.068]
1/1 [=====] - 0s 89ms/step
>4277, dr[0.539,0.348], df[0.574,0.081], g[1.185,0.043]
1/1 [=====] - 0s 80ms/step
>4278, dr[0.587,0.721], df[0.621,0.097], g[0.958,0.042]
1/1 [=====] - 0s 76ms/step
>4279, dr[0.731,0.577], df[0.655,0.069], g[1.117,0.067]
1/1 [=====] - 0s 91ms/step
>4280, dr[0.691,0.434], df[0.585,0.063], g[0.967,0.159]
1/1 [=====] - 0s 98ms/step
>4281, dr[0.734,0.539], df[0.786,0.047], g[0.952,0.049]
1/1 [=====] - 0s 88ms/step
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>4282, dr[0.585,0.533], df[0.929,0.070], g[1.269,0.045]
1/1 [=====] - 0s 74ms/step
>4283, dr[0.602,0.155], df[0.526,0.081], g[0.972,0.035]
1/1 [=====] - 0s 88ms/step
>4284, dr[0.590,0.339], df[0.641,0.025], g[1.198,0.043]
1/1 [=====] - 0s 77ms/step
>4285, dr[0.592,0.463], df[0.722,0.030], g[1.312,0.019]
1/1 [=====] - 0s 79ms/step
>4286, dr[0.820,0.425], df[0.650,0.061], g[1.209,0.036]
1/1 [=====] - 0s 77ms/step
>4287, dr[0.651,0.426], df[0.585,0.029], g[1.113,0.015]
1/1 [=====] - 0s 76ms/step
>4288, dr[0.630,0.264], df[0.628,0.049], g[1.123,0.078]
1/1 [=====] - 0s 88ms/step
>4289, dr[0.783,0.455], df[0.703,0.070], g[1.072,0.069]
1/1 [=====] - 0s 77ms/step
>4290, dr[0.541,0.640], df[0.634,0.102], g[1.105,0.043]
1/1 [=====] - 0s 79ms/step
>4291, dr[0.648,0.586], df[0.783,0.044], g[1.183,0.028]
1/1 [=====] - 0s 76ms/step
>4292, dr[0.660,0.562], df[0.576,0.076], g[1.133,0.063]
1/1 [=====] - 0s 75ms/step
>4293, dr[0.721,1.050], df[0.597,0.029], g[1.040,0.073]
1/1 [=====] - 0s 85ms/step
>4294, dr[0.485,0.456], df[0.697,0.098], g[1.113,0.024]
1/1 [=====] - 0s 76ms/step
>4295, dr[0.555,0.328], df[0.612,0.023], g[1.090,0.088]
1/1 [=====] - 0s 80ms/step
>4296, dr[0.775,1.071], df[0.680,0.038], g[1.175,0.054]
1/1 [=====] - 0s 84ms/step
>4297, dr[0.658,0.568], df[0.609,0.058], g[1.038,0.044]
1/1 [=====] - 0s 80ms/step
>4298, dr[0.498,0.160], df[0.538,0.131], g[1.039,0.049]
1/1 [=====] - 0s 84ms/step
>4299, dr[0.766,0.528], df[0.579,0.048], g[0.930,0.091]
1/1 [=====] - 0s 76ms/step
>4300, dr[0.549,0.604], df[0.667,0.096], g[1.158,0.079]
1/1 [=====] - 0s 77ms/step
>4301, dr[0.524,0.480], df[0.676,0.047], g[1.189,0.092]
1/1 [=====] - 0s 75ms/step
>4302, dr[0.684,0.363], df[0.594,0.022], g[1.114,0.051]
1/1 [=====] - 0s 75ms/step
>4303, dr[0.655,0.570], df[0.686,0.061], g[1.255,0.035]
1/1 [=====] - 0s 80ms/step
>4304, dr[0.706,0.547], df[0.673,0.045], g[1.156,0.064]
1/1 [=====] - 0s 78ms/step
>4305, dr[0.711,0.330], df[0.506,0.071], g[0.933,0.023]
1/1 [=====] - 0s 76ms/step
>4306, dr[0.723,0.614], df[0.520,0.018], g[0.868,0.098]
1/1 [=====] - 0s 79ms/step
>4307, dr[0.572,0.404], df[0.815,0.124], g[0.970,0.068]
1/1 [=====] - 0s 78ms/step
>4308, dr[0.365,0.147], df[0.773,0.039], g[1.110,0.031]
1/1 [=====] - 0s 83ms/step
>4309, dr[0.533,0.338], df[0.583,0.042], g[1.159,0.038]
1/1 [=====] - 0s 75ms/step
>4310, dr[0.631,0.424], df[0.548,0.038], g[1.171,0.043]
1/1 [=====] - 0s 76ms/step
>4311, dr[0.790,0.934], df[0.538,0.023], g[1.119,0.049]
1/1 [=====] - 0s 78ms/step
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>4312, dr[0.595,0.566], df[0.752,0.082], g[1.185,0.071]
1/1 [=====] - 0s 83ms/step
>4313, dr[0.646,0.507], df[0.666,0.131], g[1.220,0.070]
1/1 [=====] - 0s 80ms/step
>4314, dr[0.616,0.407], df[0.632,0.057], g[1.160,0.038]
1/1 [=====] - 0s 76ms/step
>4315, dr[0.476,0.658], df[0.555,0.020], g[1.359,0.046]
1/1 [=====] - 0s 82ms/step
>4316, dr[0.583,0.768], df[0.471,0.032], g[1.140,0.044]
1/1 [=====] - 0s 86ms/step
>4317, dr[0.541,0.500], df[0.599,0.131], g[1.351,0.083]
1/1 [=====] - 0s 77ms/step
>4318, dr[0.553,0.318], df[0.488,0.023], g[1.069,0.063]
1/1 [=====] - 0s 81ms/step
>4319, dr[0.767,0.443], df[0.607,0.085], g[1.135,0.046]
1/1 [=====] - 0s 75ms/step
>4320, dr[0.513,0.288], df[0.576,0.054], g[1.089,0.076]
1/1 [=====] - 0s 74ms/step
>4321, dr[0.585,0.457], df[0.726,0.022], g[1.172,0.039]
1/1 [=====] - 0s 85ms/step
>4322, dr[0.841,0.565], df[0.657,0.027], g[1.124,0.071]
1/1 [=====] - 0s 77ms/step
>4323, dr[0.600,0.362], df[0.761,0.030], g[1.124,0.093]
1/1 [=====] - 0s 84ms/step
>4324, dr[0.640,0.579], df[0.734,0.026], g[1.178,0.073]
1/1 [=====] - 0s 78ms/step
>4325, dr[0.552,0.403], df[0.633,0.041], g[1.156,0.030]
1/1 [=====] - 0s 76ms/step
>4326, dr[0.685,0.435], df[0.411,0.038], g[0.999,0.060]
1/1 [=====] - 0s 82ms/step
>4327, dr[0.693,0.481], df[0.755,0.056], g[0.954,0.074]
1/1 [=====] - 0s 75ms/step
>4328, dr[0.634,0.444], df[0.701,0.058], g[1.218,0.030]
1/1 [=====] - 0s 79ms/step
>4329, dr[0.755,0.607], df[0.736,0.138], g[1.005,0.027]
1/1 [=====] - 0s 78ms/step
>4330, dr[0.564,0.387], df[0.587,0.063], g[1.136,0.031]
1/1 [=====] - 0s 89ms/step
>4331, dr[0.578,0.331], df[0.588,0.056], g[1.063,0.043]
1/1 [=====] - 0s 97ms/step
>4332, dr[0.707,0.706], df[0.554,0.071], g[1.118,0.036]
1/1 [=====] - 0s 93ms/step
>4333, dr[0.723,1.029], df[0.843,0.066], g[1.076,0.047]
1/1 [=====] - 0s 96ms/step
>4334, dr[0.526,0.949], df[0.719,0.120], g[1.278,0.058]
1/1 [=====] - 0s 93ms/step
>4335, dr[0.628,0.362], df[0.546,0.033], g[1.147,0.045]
1/1 [=====] - 0s 105ms/step
>4336, dr[0.703,0.365], df[0.662,0.018], g[1.059,0.044]
1/1 [=====] - 0s 90ms/step
>4337, dr[0.581,0.364], df[0.563,0.070], g[1.242,0.033]
1/1 [=====] - 0s 98ms/step
>4338, dr[0.678,0.413], df[0.622,0.081], g[0.892,0.087]
1/1 [=====] - 0s 102ms/step
>4339, dr[0.661,0.446], df[0.590,0.029], g[0.973,0.073]
1/1 [=====] - 0s 90ms/step
>4340, dr[0.742,0.705], df[0.671,0.073], g[0.897,0.032]
1/1 [=====] - 0s 92ms/step
>4341, dr[0.544,0.866], df[0.707,0.026], g[1.113,0.065]
1/1 [=====] - 0s 97ms/step
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>4342, dr[0.635,0.888], df[0.663,0.035], g[1.214,0.029]
1/1 [=====] - 0s 98ms/step
>4343, dr[0.502,0.648], df[0.643,0.031], g[1.024,0.065]
1/1 [=====] - 0s 93ms/step
>4344, dr[0.662,0.574], df[0.629,0.042], g[1.216,0.023]
1/1 [=====] - 0s 91ms/step
>4345, dr[0.585,0.962], df[0.648,0.143], g[1.002,0.036]
1/1 [=====] - 0s 101ms/step
>4346, dr[0.654,0.574], df[0.586,0.086], g[1.280,0.043]
1/1 [=====] - 0s 98ms/step
>4347, dr[0.697,0.490], df[0.777,0.035], g[1.046,0.106]
1/1 [=====] - 0s 91ms/step
>4348, dr[0.590,0.352], df[0.515,0.062], g[1.186,0.037]
1/1 [=====] - 0s 110ms/step
>4349, dr[0.617,0.500], df[0.605,0.102], g[1.184,0.034]
1/1 [=====] - 0s 78ms/step
>4350, dr[0.559,0.327], df[0.498,0.030], g[1.060,0.045]
1/1 [=====] - 0s 78ms/step
>4351, dr[0.721,0.724], df[0.719,0.039], g[1.138,0.121]
1/1 [=====] - 0s 86ms/step
>4352, dr[0.569,0.370], df[0.779,0.086], g[0.995,0.025]
1/1 [=====] - 0s 74ms/step
>4353, dr[0.404,0.357], df[0.501,0.020], g[1.198,0.032]
1/1 [=====] - 0s 84ms/step
>4354, dr[0.820,0.421], df[0.670,0.048], g[1.109,0.074]
1/1 [=====] - 0s 75ms/step
>4355, dr[0.724,0.397], df[0.702,0.059], g[1.035,0.040]
1/1 [=====] - 0s 75ms/step
>4356, dr[0.575,0.286], df[0.683,0.125], g[1.102,0.034]
1/1 [=====] - 0s 84ms/step
>4357, dr[0.505,0.510], df[0.513,0.014], g[1.161,0.058]
1/1 [=====] - 0s 76ms/step
>4358, dr[0.589,0.775], df[0.740,0.085], g[1.228,0.044]
1/1 [=====] - 0s 105ms/step
>4359, dr[0.634,0.767], df[0.570,0.050], g[1.155,0.045]
1/1 [=====] - 0s 75ms/step
>4360, dr[0.552,0.120], df[0.572,0.015], g[1.234,0.058]
1/1 [=====] - 0s 77ms/step
>4361, dr[0.845,0.655], df[0.614,0.040], g[1.080,0.070]
1/1 [=====] - 0s 83ms/step
>4362, dr[0.572,0.340], df[0.570,0.047], g[1.101,0.053]
1/1 [=====] - 0s 74ms/step
>4363, dr[0.631,0.477], df[0.608,0.054], g[1.033,0.064]
1/1 [=====] - 0s 84ms/step
>4364, dr[0.573,0.602], df[0.531,0.018], g[1.058,0.132]
1/1 [=====] - 0s 76ms/step
>4365, dr[0.788,0.544], df[0.714,0.029], g[1.063,0.039]
1/1 [=====] - 0s 110ms/step
>4366, dr[0.469,0.542], df[0.532,0.024], g[0.953,0.045]
1/1 [=====] - 0s 87ms/step
>4367, dr[0.566,0.314], df[0.579,0.047], g[1.020,0.045]
1/1 [=====] - 0s 75ms/step
>4368, dr[0.484,0.613], df[0.671,0.022], g[1.034,0.023]
1/1 [=====] - 0s 76ms/step
>4369, dr[0.471,0.453], df[0.640,0.073], g[1.123,0.024]
1/1 [=====] - 0s 85ms/step
>4370, dr[0.798,0.575], df[0.683,0.036], g[0.977,0.077]
1/1 [=====] - 0s 76ms/step
>4371, dr[0.473,0.512], df[0.699,0.161], g[0.966,0.042]
1/1 [=====] - 0s 81ms/step
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>4372, dr[0.715,0.567], df[0.697,0.030], g[1.223,0.031]
1/1 [=====] - 0s 82ms/step
>4373, dr[0.593,0.621], df[0.643,0.058], g[1.182,0.060]
1/1 [=====] - 0s 76ms/step
>4374, dr[0.729,0.137], df[0.668,0.073], g[1.060,0.064]
1/1 [=====] - 0s 83ms/step
>4375, dr[0.635,0.305], df[0.670,0.056], g[1.233,0.049]
1/1 [=====] - 0s 75ms/step
>4376, dr[0.684,0.585], df[0.626,0.037], g[0.984,0.039]
1/1 [=====] - 0s 77ms/step
>4377, dr[0.692,0.518], df[0.654,0.106], g[0.978,0.037]
1/1 [=====] - 0s 77ms/step
>4378, dr[0.592,1.235], df[0.729,0.041], g[0.933,0.085]
1/1 [=====] - 0s 74ms/step
>4379, dr[0.540,0.471], df[0.619,0.126], g[1.226,0.063]
1/1 [=====] - 0s 82ms/step
>4380, dr[0.544,0.446], df[0.616,0.062], g[1.050,0.047]
1/1 [=====] - 0s 74ms/step
>4381, dr[0.626,0.984], df[0.630,0.016], g[1.202,0.059]
1/1 [=====] - 0s 85ms/step
>4382, dr[0.689,0.758], df[0.619,0.020], g[1.158,0.047]
1/1 [=====] - 0s 79ms/step
>4383, dr[0.540,0.824], df[0.559,0.018], g[1.076,0.104]
1/1 [=====] - 0s 77ms/step
>4384, dr[0.626,0.729], df[0.651,0.106], g[1.157,0.052]
1/1 [=====] - 0s 93ms/step
>4385, dr[0.706,0.296], df[0.599,0.026], g[1.109,0.062]
1/1 [=====] - 0s 75ms/step
>4386, dr[0.774,0.906], df[0.549,0.070], g[1.157,0.078]
1/1 [=====] - 0s 76ms/step
>4387, dr[0.652,0.359], df[0.651,0.040], g[1.041,0.084]
1/1 [=====] - 0s 76ms/step
>4388, dr[0.659,0.664], df[0.661,0.073], g[1.155,0.045]
1/1 [=====] - 0s 79ms/step
>4389, dr[0.570,0.330], df[0.722,0.038], g[1.085,0.068]
1/1 [=====] - 0s 80ms/step
>4390, dr[0.569,0.651], df[0.761,0.088], g[1.106,0.072]
1/1 [=====] - 0s 75ms/step
>4391, dr[0.616,0.437], df[0.625,0.088], g[1.259,0.041]
1/1 [=====] - 0s 77ms/step
>4392, dr[0.703,0.380], df[0.539,0.036], g[1.119,0.033]
1/1 [=====] - 0s 76ms/step
>4393, dr[0.576,0.349], df[0.534,0.105], g[1.051,0.063]
1/1 [=====] - 0s 76ms/step
>4394, dr[0.607,0.204], df[0.482,0.074], g[0.972,0.041]
1/1 [=====] - 0s 87ms/step
>4395, dr[0.720,0.351], df[0.597,0.034], g[0.950,0.061]
1/1 [=====] - 0s 75ms/step
>4396, dr[0.646,0.591], df[0.738,0.124], g[1.128,0.044]
1/1 [=====] - 0s 76ms/step
>4397, dr[0.592,0.407], df[0.646,0.151], g[1.100,0.058]
1/1 [=====] - 0s 82ms/step
>4398, dr[0.648,1.070], df[0.603,0.035], g[1.111,0.071]
1/1 [=====] - 0s 75ms/step
>4399, dr[0.496,0.343], df[0.616,0.083], g[1.001,0.065]
1/1 [=====] - 0s 80ms/step
>4400, dr[0.653,0.826], df[0.603,0.035], g[1.204,0.050]
1/1 [=====] - 0s 75ms/step
>4401, dr[0.572,0.580], df[0.505,0.046], g[1.106,0.047]
1/1 [=====] - 0s 77ms/step
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>4402, dr[0.560,0.744], df[0.649,0.061], g[1.108,0.059]
1/1 [=====] - 0s 75ms/step
>4403, dr[0.630,0.509], df[0.683,0.044], g[1.139,0.038]
1/1 [=====] - 0s 88ms/step
>4404, dr[0.671,0.592], df[0.559,0.023], g[1.010,0.030]
1/1 [=====] - 0s 80ms/step
>4405, dr[0.575,0.634], df[0.565,0.032], g[1.126,0.034]
1/1 [=====] - 0s 82ms/step
>4406, dr[0.563,0.354], df[0.732,0.030], g[1.083,0.073]
1/1 [=====] - 0s 80ms/step
>4407, dr[0.799,0.216], df[0.661,0.157], g[0.925,0.071]
1/1 [=====] - 0s 82ms/step
>4408, dr[0.461,0.632], df[0.662,0.043], g[1.033,0.079]
1/1 [=====] - 0s 74ms/step
>4409, dr[0.561,0.392], df[0.638,0.067], g[1.206,0.062]
1/1 [=====] - 0s 82ms/step
>4410, dr[0.840,0.515], df[0.570,0.033], g[1.106,0.017]
1/1 [=====] - 0s 76ms/step
>4411, dr[0.565,0.449], df[0.710,0.161], g[1.152,0.023]
1/1 [=====] - 0s 81ms/step
>4412, dr[0.593,0.693], df[0.581,0.096], g[1.005,0.067]
1/1 [=====] - 0s 83ms/step
>4413, dr[0.661,0.564], df[0.747,0.053], g[1.043,0.111]
1/1 [=====] - 0s 75ms/step
>4414, dr[0.765,0.855], df[0.550,0.187], g[1.012,0.046]
1/1 [=====] - 0s 81ms/step
>4415, dr[0.643,0.354], df[0.510,0.036], g[1.117,0.031]
1/1 [=====] - 0s 80ms/step
>4416, dr[0.541,0.580], df[0.638,0.019], g[1.022,0.102]
1/1 [=====] - 0s 77ms/step
>4417, dr[0.518,0.293], df[0.614,0.150], g[1.000,0.030]
1/1 [=====] - 0s 79ms/step
>4418, dr[0.643,0.345], df[0.606,0.133], g[0.986,0.034]
1/1 [=====] - 0s 76ms/step
>4419, dr[0.658,0.970], df[0.573,0.024], g[1.018,0.037]
1/1 [=====] - 0s 81ms/step
>4420, dr[0.533,0.745], df[0.639,0.042], g[1.179,0.048]
1/1 [=====] - 0s 78ms/step
>4421, dr[0.723,0.435], df[0.583,0.025], g[0.934,0.050]
1/1 [=====] - 0s 78ms/step
>4422, dr[0.504,0.521], df[0.499,0.043], g[0.916,0.077]
1/1 [=====] - 0s 76ms/step
>4423, dr[0.673,0.678], df[0.758,0.073], g[0.974,0.045]
1/1 [=====] - 0s 79ms/step
>4424, dr[0.519,0.437], df[0.616,0.323], g[0.982,0.079]
1/1 [=====] - 0s 82ms/step
>4425, dr[0.578,0.504], df[0.712,0.108], g[1.176,0.062]
1/1 [=====] - 0s 75ms/step
>4426, dr[0.990,0.980], df[0.531,0.046], g[0.927,0.053]
1/1 [=====] - 0s 82ms/step
>4427, dr[0.491,0.736], df[0.592,0.076], g[1.150,0.036]
1/1 [=====] - 0s 81ms/step
>4428, dr[0.589,0.382], df[0.625,0.037], g[0.985,0.070]
1/1 [=====] - 0s 74ms/step
>4429, dr[0.588,0.389], df[0.615,0.101], g[1.009,0.052]
1/1 [=====] - 0s 82ms/step
>4430, dr[0.653,0.374], df[0.730,0.175], g[1.228,0.031]
1/1 [=====] - 0s 79ms/step
>4431, dr[0.459,0.656], df[0.724,0.042], g[1.145,0.049]
1/1 [=====] - 0s 77ms/step
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>4432, dr[0.627,0.621], df[0.583,0.095], g[1.128,0.047]
1/1 [=====] - 0s 78ms/step
>4433, dr[0.791,0.642], df[0.586,0.035], g[1.029,0.032]
1/1 [=====] - 0s 83ms/step
>4434, dr[0.719,0.465], df[0.526,0.018], g[1.022,0.109]
1/1 [=====] - 0s 86ms/step
>4435, dr[0.435,0.591], df[0.660,0.107], g[1.175,0.032]
1/1 [=====] - 0s 75ms/step
>4436, dr[0.669,1.210], df[0.912,0.105], g[1.137,0.057]
1/1 [=====] - 0s 79ms/step
>4437, dr[0.694,0.390], df[0.492,0.078], g[0.997,0.084]
1/1 [=====] - 0s 79ms/step
>4438, dr[0.619,0.750], df[0.560,0.024], g[1.121,0.067]
1/1 [=====] - 0s 76ms/step
>4439, dr[0.501,0.578], df[0.785,0.067], g[0.949,0.042]
1/1 [=====] - 0s 82ms/step
>4440, dr[0.571,0.580], df[0.488,0.183], g[0.920,0.032]
1/1 [=====] - 0s 84ms/step
>4441, dr[0.619,0.598], df[0.753,0.151], g[1.031,0.048]
1/1 [=====] - 0s 80ms/step
>4442, dr[0.583,0.643], df[0.653,0.017], g[1.063,0.060]
1/1 [=====] - 0s 83ms/step
>4443, dr[0.730,0.673], df[0.779,0.050], g[1.051,0.050]
1/1 [=====] - 0s 76ms/step
>4444, dr[0.642,0.359], df[0.625,0.068], g[1.039,0.023]
1/1 [=====] - 0s 81ms/step
>4445, dr[0.671,0.486], df[0.497,0.041], g[1.093,0.037]
1/1 [=====] - 0s 75ms/step
>4446, dr[0.605,0.533], df[0.619,0.095], g[1.201,0.055]
1/1 [=====] - 0s 76ms/step
>4447, dr[0.590,0.390], df[0.736,0.052], g[1.115,0.030]
1/1 [=====] - 0s 81ms/step
>4448, dr[0.681,0.476], df[0.687,0.068], g[1.096,0.035]
1/1 [=====] - 0s 74ms/step
>4449, dr[0.614,0.295], df[0.509,0.037], g[1.159,0.078]
1/1 [=====] - 0s 84ms/step
>4450, dr[0.755,0.857], df[0.680,0.050], g[1.193,0.074]
1/1 [=====] - 0s 78ms/step
>4451, dr[0.636,0.410], df[0.627,0.035], g[1.162,0.076]
1/1 [=====] - 0s 76ms/step
>4452, dr[0.785,0.541], df[0.518,0.068], g[1.012,0.033]
1/1 [=====] - 0s 75ms/step
>4453, dr[0.472,0.658], df[0.731,0.038], g[1.027,0.063]
1/1 [=====] - 0s 77ms/step
>4454, dr[0.846,0.306], df[0.777,0.072], g[0.953,0.087]
1/1 [=====] - 0s 82ms/step
>4455, dr[0.591,0.506], df[0.636,0.041], g[1.165,0.029]
1/1 [=====] - 0s 80ms/step
>4456, dr[0.487,0.588], df[0.503,0.038], g[1.146,0.021]
1/1 [=====] - 0s 75ms/step
>4457, dr[0.795,0.613], df[0.491,0.034], g[1.076,0.048]
1/1 [=====] - 0s 78ms/step
>4458, dr[0.674,0.274], df[0.691,0.099], g[1.077,0.053]
1/1 [=====] - 0s 79ms/step
>4459, dr[0.580,0.264], df[0.621,0.063], g[1.033,0.046]
1/1 [=====] - 0s 83ms/step
>4460, dr[0.578,0.718], df[0.608,0.087], g[0.993,0.031]
1/1 [=====] - 0s 76ms/step
>4461, dr[0.680,0.688], df[0.810,0.086], g[1.046,0.073]
1/1 [=====] - 0s 75ms/step
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>4462, dr[0.640,0.628], df[0.639,0.056], g[1.172,0.031]
1/1 [=====] - 0s 80ms/step
>4463, dr[0.625,0.368], df[0.691,0.066], g[1.073,0.081]
1/1 [=====] - 0s 75ms/step
>4464, dr[0.614,0.899], df[0.589,0.047], g[1.166,0.034]
1/1 [=====] - 0s 84ms/step
>4465, dr[0.705,0.488], df[0.619,0.033], g[1.099,0.047]
1/1 [=====] - 0s 85ms/step
>4466, dr[0.534,0.404], df[0.433,0.067], g[0.939,0.022]
1/1 [=====] - 0s 75ms/step
>4467, dr[0.579,0.546], df[0.539,0.042], g[1.058,0.069]
1/1 [=====] - 0s 93ms/step
>4468, dr[0.505,0.439], df[0.831,0.062], g[0.881,0.068]
1/1 [=====] - 0s 76ms/step
>4469, dr[0.681,0.553], df[0.806,0.045], g[1.047,0.071]
1/1 [=====] - 0s 82ms/step
>4470, dr[0.517,0.355], df[0.531,0.041], g[0.979,0.082]
1/1 [=====] - 0s 76ms/step
>4471, dr[0.460,0.399], df[0.473,0.052], g[1.040,0.065]
1/1 [=====] - 0s 78ms/step
>4472, dr[0.577,0.400], df[0.579,0.161], g[1.210,0.074]
1/1 [=====] - 0s 80ms/step
>4473, dr[0.551,0.587], df[0.590,0.076], g[1.031,0.027]
1/1 [=====] - 0s 77ms/step
>4474, dr[0.568,0.697], df[0.602,0.015], g[1.126,0.026]
1/1 [=====] - 0s 79ms/step
>4475, dr[0.767,0.667], df[0.510,0.021], g[1.112,0.041]
1/1 [=====] - 0s 76ms/step
>4476, dr[0.640,0.565], df[0.779,0.043], g[1.039,0.046]
1/1 [=====] - 0s 75ms/step
>4477, dr[0.570,0.439], df[0.586,0.049], g[1.154,0.041]
1/1 [=====] - 0s 80ms/step
>4478, dr[0.515,0.443], df[0.670,0.089], g[1.079,0.072]
1/1 [=====] - 0s 74ms/step
>4479, dr[0.732,0.583], df[0.587,0.033], g[1.115,0.084]
1/1 [=====] - 0s 82ms/step
>4480, dr[0.685,0.506], df[0.623,0.080], g[1.035,0.039]
1/1 [=====] - 0s 75ms/step
>4481, dr[0.624,0.665], df[0.585,0.093], g[0.974,0.019]
1/1 [=====] - 0s 78ms/step
>4482, dr[0.539,0.847], df[0.735,0.098], g[1.051,0.025]
1/1 [=====] - 0s 81ms/step
>4483, dr[0.587,0.308], df[0.635,0.025], g[1.049,0.039]
1/1 [=====] - 0s 84ms/step
>4484, dr[0.655,0.505], df[0.739,0.065], g[1.116,0.078]
1/1 [=====] - 0s 81ms/step
>4485, dr[0.654,0.501], df[0.797,0.028], g[1.027,0.033]
1/1 [=====] - 0s 77ms/step
>4486, dr[0.568,0.344], df[0.660,0.065], g[1.035,0.071]
1/1 [=====] - 0s 75ms/step
>4487, dr[0.647,0.762], df[0.509,0.023], g[0.974,0.041]
1/1 [=====] - 0s 80ms/step
>4488, dr[0.638,0.387], df[0.651,0.070], g[0.983,0.129]
1/1 [=====] - 0s 76ms/step
>4489, dr[0.587,0.187], df[0.709,0.151], g[1.270,0.058]
1/1 [=====] - 0s 78ms/step
>4490, dr[0.518,0.462], df[0.673,0.051], g[1.111,0.084]
1/1 [=====] - 0s 81ms/step
>4491, dr[0.609,0.483], df[0.489,0.037], g[1.035,0.027]
1/1 [=====] - 0s 75ms/step
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>4492, dr[0.716,0.487], df[0.629,0.051], g[1.013,0.033]
1/1 [=====] - 0s 81ms/step
>4493, dr[0.638,0.590], df[0.667,0.106], g[0.925,0.046]
1/1 [=====] - 0s 76ms/step
>4494, dr[0.664,0.377], df[0.580,0.028], g[1.096,0.048]
1/1 [=====] - 0s 81ms/step
>4495, dr[0.613,0.335], df[0.771,0.021], g[1.071,0.082]
1/1 [=====] - 0s 76ms/step
>4496, dr[0.679,0.648], df[0.708,0.030], g[1.094,0.063]
1/1 [=====] - 0s 75ms/step
>4497, dr[0.570,0.680], df[0.802,0.047], g[1.217,0.060]
1/1 [=====] - 0s 81ms/step
>4498, dr[0.563,0.178], df[0.484,0.033], g[1.200,0.044]
1/1 [=====] - 0s 76ms/step
>4499, dr[0.557,0.423], df[0.771,0.049], g[1.122,0.104]
1/1 [=====] - 0s 84ms/step
>4500, dr[0.676,0.641], df[0.502,0.032], g[1.120,0.048]
1/1 [=====] - 0s 75ms/step
>4501, dr[0.726,0.693], df[0.789,0.076], g[1.047,0.092]
1/1 [=====] - 0s 76ms/step
>4502, dr[0.686,0.563], df[0.592,0.032], g[1.027,0.053]
1/1 [=====] - 0s 83ms/step
>4503, dr[0.616,0.906], df[0.588,0.060], g[1.078,0.025]
1/1 [=====] - 0s 83ms/step
>4504, dr[0.683,0.492], df[0.647,0.128], g[0.977,0.080]
1/1 [=====] - 0s 86ms/step
>4505, dr[0.561,0.452], df[0.562,0.022], g[1.047,0.082]
1/1 [=====] - 0s 75ms/step
>4506, dr[0.593,0.714], df[0.650,0.029], g[1.117,0.040]
1/1 [=====] - 0s 77ms/step
>4507, dr[0.599,0.440], df[0.575,0.065], g[1.006,0.120]
1/1 [=====] - 0s 81ms/step
>4508, dr[0.617,0.845], df[0.631,0.032], g[1.124,0.051]
1/1 [=====] - 0s 75ms/step
>4509, dr[0.657,0.529], df[0.744,0.016], g[0.980,0.050]
1/1 [=====] - 0s 82ms/step
>4510, dr[0.595,0.502], df[0.597,0.028], g[1.000,0.061]
1/1 [=====] - 0s 79ms/step
>4511, dr[0.706,0.409], df[0.710,0.067], g[1.037,0.094]
1/1 [=====] - 0s 74ms/step
>4512, dr[0.556,0.270], df[0.543,0.092], g[1.143,0.083]
1/1 [=====] - 0s 79ms/step
>4513, dr[0.759,0.421], df[0.681,0.022], g[1.041,0.047]
1/1 [=====] - 0s 80ms/step
>4514, dr[0.629,0.696], df[0.656,0.041], g[1.030,0.062]
1/1 [=====] - 0s 85ms/step
>4515, dr[0.467,0.362], df[0.614,0.052], g[1.123,0.133]
1/1 [=====] - 0s 78ms/step
>4516, dr[0.546,0.373], df[0.520,0.031], g[1.065,0.113]
1/1 [=====] - 0s 76ms/step
>4517, dr[0.659,0.610], df[0.732,0.084], g[1.069,0.047]
1/1 [=====] - 0s 79ms/step
>4518, dr[0.678,0.758], df[0.666,0.022], g[1.080,0.079]
1/1 [=====] - 0s 77ms/step
>4519, dr[0.559,0.475], df[0.670,0.081], g[1.129,0.102]
1/1 [=====] - 0s 83ms/step
>4520, dr[0.659,0.571], df[0.601,0.030], g[1.092,0.056]
1/1 [=====] - 0s 76ms/step
>4521, dr[0.608,0.447], df[0.648,0.039], g[1.097,0.078]
1/1 [=====] - 0s 75ms/step
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>4522, dr[0.649,0.650], df[0.584,0.108], g[1.070,0.160]
1/1 [=====] - 0s 85ms/step
>4523, dr[0.734,0.483], df[0.665,0.045], g[0.980,0.081]
1/1 [=====] - 0s 77ms/step
>4524, dr[0.615,0.384], df[0.661,0.039], g[1.132,0.086]
1/1 [=====] - 0s 86ms/step
>4525, dr[0.630,0.421], df[0.672,0.029], g[1.232,0.051]
1/1 [=====] - 0s 81ms/step
>4526, dr[0.443,0.257], df[0.795,0.023], g[1.257,0.057]
1/1 [=====] - 0s 80ms/step
>4527, dr[0.775,0.572], df[0.489,0.028], g[0.975,0.095]
1/1 [=====] - 0s 83ms/step
>4528, dr[0.624,0.429], df[0.593,0.060], g[1.061,0.086]
1/1 [=====] - 0s 75ms/step
>4529, dr[0.708,0.503], df[0.648,0.089], g[1.047,0.086]
1/1 [=====] - 0s 79ms/step
>4530, dr[0.844,0.465], df[0.550,0.023], g[0.982,0.039]
1/1 [=====] - 0s 80ms/step
>4531, dr[0.598,0.500], df[0.808,0.031], g[0.956,0.056]
1/1 [=====] - 0s 86ms/step
>4532, dr[0.520,0.473], df[0.440,0.029], g[1.044,0.033]
1/1 [=====] - 0s 91ms/step
>4533, dr[0.582,0.211], df[0.699,0.070], g[1.107,0.040]
1/1 [=====] - 0s 84ms/step
>4534, dr[0.493,0.245], df[0.635,0.034], g[1.043,0.093]
1/1 [=====] - 0s 91ms/step
>4535, dr[0.641,0.167], df[0.573,0.108], g[1.022,0.075]
1/1 [=====] - 0s 88ms/step
>4536, dr[0.732,0.468], df[0.764,0.054], g[0.964,0.041]
1/1 [=====] - 0s 89ms/step
>4537, dr[0.755,0.443], df[0.746,0.062], g[1.130,0.029]
1/1 [=====] - 0s 85ms/step
>4538, dr[0.536,0.374], df[0.702,0.021], g[1.083,0.029]
1/1 [=====] - 0s 74ms/step
>4539, dr[0.624,0.577], df[0.607,0.107], g[1.028,0.096]
1/1 [=====] - 0s 74ms/step
>4540, dr[0.596,0.698], df[0.569,0.120], g[1.076,0.035]
1/1 [=====] - 0s 79ms/step
>4541, dr[0.628,0.448], df[0.554,0.014], g[1.122,0.064]
1/1 [=====] - 0s 76ms/step
>4542, dr[0.661,0.588], df[0.668,0.042], g[0.994,0.048]
1/1 [=====] - 0s 88ms/step
>4543, dr[0.636,0.528], df[0.725,0.032], g[1.010,0.106]
1/1 [=====] - 0s 75ms/step
>4544, dr[0.573,0.253], df[0.602,0.035], g[0.960,0.058]
1/1 [=====] - 0s 75ms/step
>4545, dr[0.585,0.353], df[0.776,0.043], g[1.103,0.027]
1/1 [=====] - 0s 76ms/step
>4546, dr[0.678,0.217], df[0.596,0.026], g[1.251,0.061]
1/1 [=====] - 0s 76ms/step
>4547, dr[0.735,0.742], df[0.581,0.080], g[1.140,0.039]
1/1 [=====] - 0s 84ms/step
>4548, dr[0.492,0.511], df[0.631,0.027], g[1.159,0.042]
1/1 [=====] - 0s 77ms/step
>4549, dr[0.668,0.513], df[0.662,0.057], g[1.194,0.062]
1/1 [=====] - 0s 77ms/step
>4550, dr[0.515,0.326], df[0.609,0.094], g[1.194,0.033]
1/1 [=====] - 0s 76ms/step
>4551, dr[0.739,1.121], df[0.601,0.029], g[1.069,0.036]
1/1 [=====] - 0s 77ms/step
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>4552, dr[0.671,0.644], df[0.572,0.072], g[1.017,0.037]
1/1 [=====] - 0s 87ms/step
>4553, dr[0.653,0.726], df[0.667,0.021], g[1.016,0.063]
1/1 [=====] - 0s 96ms/step
>4554, dr[0.596,0.514], df[0.698,0.186], g[1.091,0.054]
1/1 [=====] - 0s 80ms/step
>4555, dr[0.625,0.719], df[0.814,0.031], g[0.984,0.026]
1/1 [=====] - 0s 82ms/step
>4556, dr[0.605,0.277], df[0.627,0.098], g[1.037,0.080]
1/1 [=====] - 0s 76ms/step
>4557, dr[0.663,0.328], df[0.768,0.017], g[1.065,0.059]
1/1 [=====] - 0s 79ms/step
>4558, dr[0.601,1.048], df[0.601,0.038], g[1.154,0.051]
1/1 [=====] - 0s 75ms/step
>4559, dr[0.713,0.452], df[0.672,0.075], g[0.994,0.065]
1/1 [=====] - 0s 77ms/step
>4560, dr[0.684,0.513], df[0.595,0.060], g[0.991,0.025]
1/1 [=====] - 0s 89ms/step
>4561, dr[0.639,0.963], df[0.626,0.054], g[1.060,0.042]
1/1 [=====] - 0s 85ms/step
>4562, dr[0.713,0.399], df[0.880,0.123], g[0.946,0.093]
1/1 [=====] - 0s 77ms/step
>4563, dr[0.605,0.541], df[0.685,0.044], g[1.179,0.188]
1/1 [=====] - 0s 84ms/step
>4564, dr[0.571,0.587], df[0.644,0.061], g[1.217,0.066]
1/1 [=====] - 0s 76ms/step
>4565, dr[0.633,0.424], df[0.543,0.024], g[1.068,0.031]
1/1 [=====] - 0s 86ms/step
>4566, dr[0.612,0.650], df[0.581,0.020], g[0.980,0.062]
1/1 [=====] - 0s 80ms/step
>4567, dr[0.506,0.430], df[0.599,0.040], g[1.087,0.060]
1/1 [=====] - 0s 78ms/step
>4568, dr[0.554,0.519], df[0.704,0.035], g[1.123,0.054]
1/1 [=====] - 0s 87ms/step
>4569, dr[0.860,0.435], df[0.586,0.028], g[1.093,0.059]
1/1 [=====] - 0s 75ms/step
>4570, dr[0.653,0.762], df[0.677,0.093], g[1.108,0.047]
1/1 [=====] - 0s 82ms/step
>4571, dr[0.609,0.293], df[0.600,0.076], g[1.013,0.068]
1/1 [=====] - 0s 76ms/step
>4572, dr[0.506,0.344], df[0.872,0.051], g[1.049,0.053]
1/1 [=====] - 0s 75ms/step
>4573, dr[0.622,0.503], df[0.613,0.033], g[1.127,0.076]
1/1 [=====] - 0s 81ms/step
>4574, dr[0.712,0.400], df[0.572,0.108], g[1.040,0.057]
1/1 [=====] - 0s 77ms/step
>4575, dr[0.759,0.514], df[0.638,0.037], g[1.080,0.097]
1/1 [=====] - 0s 76ms/step
>4576, dr[0.724,0.390], df[0.674,0.036], g[1.049,0.048]
1/1 [=====] - 0s 75ms/step
>4577, dr[0.616,0.564], df[0.581,0.040], g[1.035,0.100]
1/1 [=====] - 0s 77ms/step
>4578, dr[0.571,0.619], df[0.583,0.043], g[0.895,0.042]
1/1 [=====] - 0s 81ms/step
>4579, dr[0.626,0.210], df[0.639,0.125], g[0.849,0.075]
1/1 [=====] - 0s 81ms/step
>4580, dr[0.449,0.321], df[0.620,0.039], g[0.997,0.031]
1/1 [=====] - 0s 76ms/step
>4581, dr[0.547,0.236], df[0.665,0.041], g[1.188,0.098]
1/1 [=====] - 0s 77ms/step
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>4582, dr[0.649,0.861], df[0.477,0.038], g[1.047,0.058]
1/1 [=====] - 0s 76ms/step
>4583, dr[0.609,0.323], df[0.710,0.034], g[1.077,0.036]
1/1 [=====] - 0s 82ms/step
>4584, dr[0.631,0.510], df[0.602,0.023], g[1.125,0.032]
1/1 [=====] - 0s 80ms/step
>4585, dr[0.581,0.398], df[0.771,0.059], g[1.099,0.059]
1/1 [=====] - 0s 77ms/step
>4586, dr[0.672,0.576], df[0.567,0.053], g[1.260,0.066]
1/1 [=====] - 0s 77ms/step
>4587, dr[0.678,0.727], df[0.460,0.038], g[0.948,0.082]
1/1 [=====] - 0s 74ms/step
>4588, dr[0.576,0.282], df[0.622,0.042], g[1.163,0.041]
1/1 [=====] - 0s 84ms/step
>4589, dr[0.520,0.257], df[0.639,0.053], g[1.029,0.114]
1/1 [=====] - 0s 75ms/step
>4590, dr[0.598,0.391], df[0.488,0.025], g[1.112,0.081]
1/1 [=====] - 0s 76ms/step
>4591, dr[0.639,0.491], df[0.729,0.059], g[1.015,0.063]
1/1 [=====] - 0s 75ms/step
>4592, dr[0.624,0.510], df[0.552,0.054], g[1.127,0.029]
1/1 [=====] - 0s 78ms/step
>4593, dr[0.743,0.642], df[0.508,0.025], g[1.123,0.056]
1/1 [=====] - 0s 82ms/step
>4594, dr[0.514,0.419], df[0.725,0.030], g[1.027,0.060]
1/1 [=====] - 0s 76ms/step
>4595, dr[0.481,0.605], df[0.598,0.056], g[1.026,0.167]
1/1 [=====] - 0s 77ms/step
>4596, dr[0.482,0.333], df[0.504,0.042], g[1.066,0.073]
1/1 [=====] - 0s 75ms/step
>4597, dr[0.657,0.833], df[0.477,0.087], g[1.055,0.056]
1/1 [=====] - 0s 85ms/step
>4598, dr[0.583,0.440], df[0.535,0.050], g[0.874,0.106]
1/1 [=====] - 0s 82ms/step
>4599, dr[0.619,0.500], df[0.714,0.107], g[0.945,0.102]
1/1 [=====] - 0s 74ms/step
>4600, dr[0.589,0.371], df[0.715,0.038], g[1.096,0.038]
1/1 [=====] - 0s 81ms/step
>4601, dr[0.611,0.405], df[0.738,0.061], g[1.212,0.044]
1/1 [=====] - 0s 76ms/step
>4602, dr[0.796,0.604], df[0.520,0.037], g[1.002,0.033]
1/1 [=====] - 0s 75ms/step
>4603, dr[0.614,0.414], df[0.650,0.127], g[1.083,0.067]
1/1 [=====] - 0s 86ms/step
>4604, dr[0.528,0.672], df[0.846,0.034], g[1.166,0.032]
1/1 [=====] - 0s 75ms/step
>4605, dr[0.617,0.632], df[0.588,0.054], g[1.167,0.068]
1/1 [=====] - 0s 76ms/step
>4606, dr[0.565,0.441], df[0.525,0.052], g[1.156,0.047]
1/1 [=====] - 0s 76ms/step
>4607, dr[0.673,0.816], df[0.582,0.027], g[1.081,0.093]
1/1 [=====] - 0s 75ms/step
>4608, dr[0.681,0.715], df[0.650,0.093], g[0.904,0.028]
1/1 [=====] - 0s 84ms/step
>4609, dr[0.592,0.299], df[0.563,0.035], g[1.027,0.033]
1/1 [=====] - 0s 77ms/step
>4610, dr[0.587,0.364], df[0.743,0.022], g[0.977,0.093]
1/1 [=====] - 0s 77ms/step
>4611, dr[0.553,0.398], df[0.746,0.055], g[1.077,0.037]
1/1 [=====] - 0s 77ms/step
```

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>4612, dr[0.602,0.448], df[0.660,0.039], g[1.004,0.043]
1/1 [=====] - 0s 75ms/step
>4613, dr[0.578,0.557], df[0.512,0.050], g[1.110,0.058]
1/1 [=====] - 0s 84ms/step
>4614, dr[0.645,0.559], df[0.616,0.053], g[1.064,0.040]
1/1 [=====] - 0s 76ms/step
>4615, dr[0.689,0.701], df[0.583,0.024], g[1.098,0.043]
1/1 [=====] - 0s 82ms/step
>4616, dr[0.773,0.632], df[0.625,0.034], g[1.093,0.025]
1/1 [=====] - 0s 81ms/step
>4617, dr[0.499,0.248], df[0.586,0.024], g[1.075,0.027]
1/1 [=====] - 0s 79ms/step
>4618, dr[0.596,0.290], df[0.744,0.039], g[1.014,0.067]
1/1 [=====] - 0s 83ms/step
>4619, dr[0.588,0.514], df[0.632,0.057], g[1.156,0.060]
1/1 [=====] - 0s 76ms/step
>4620, dr[0.607,0.286], df[0.642,0.080], g[1.106,0.032]
1/1 [=====] - 0s 80ms/step
>4621, dr[0.746,0.324], df[0.719,0.207], g[1.101,0.106]
1/1 [=====] - 0s 78ms/step
>4622, dr[0.740,0.401], df[0.681,0.037], g[1.111,0.073]
1/1 [=====] - 0s 75ms/step
>4623, dr[0.674,0.569], df[0.651,0.036], g[1.204,0.055]
1/1 [=====] - 0s 88ms/step
>4624, dr[0.660,0.611], df[0.637,0.036], g[1.132,0.058]
1/1 [=====] - 0s 76ms/step
>4625, dr[0.582,0.217], df[0.505,0.050], g[1.101,0.050]
1/1 [=====] - 0s 76ms/step
>4626, dr[0.645,0.246], df[0.704,0.065], g[1.155,0.058]
1/1 [=====] - 0s 77ms/step
>4627, dr[0.640,0.700], df[0.631,0.018], g[0.985,0.098]
1/1 [=====] - 0s 75ms/step
>4628, dr[0.645,0.734], df[0.688,0.073], g[1.187,0.052]
1/1 [=====] - 0s 82ms/step
>4629, dr[0.660,0.876], df[0.699,0.048], g[0.940,0.068]
1/1 [=====] - 0s 76ms/step
>4630, dr[0.641,0.325], df[0.662,0.073], g[1.010,0.049]
1/1 [=====] - 0s 79ms/step
>4631, dr[0.875,0.417], df[0.661,0.037], g[1.012,0.063]
1/1 [=====] - 0s 76ms/step
>4632, dr[0.463,0.469], df[0.698,0.028], g[1.112,0.032]
1/1 [=====] - 0s 88ms/step
>4633, dr[0.685,0.661], df[0.544,0.030], g[1.183,0.046]
1/1 [=====] - 0s 85ms/step
>4634, dr[0.667,0.349], df[0.724,0.103], g[1.080,0.056]
1/1 [=====] - 0s 76ms/step
>4635, dr[0.706,0.667], df[0.614,0.062], g[1.143,0.054]
1/1 [=====] - 0s 80ms/step
>4636, dr[0.657,0.511], df[0.623,0.066], g[1.111,0.030]
1/1 [=====] - 0s 82ms/step
>4637, dr[0.463,0.293], df[0.522,0.060], g[0.942,0.057]
1/1 [=====] - 0s 83ms/step
>4638, dr[0.745,0.624], df[0.659,0.053], g[0.962,0.081]
1/1 [=====] - 0s 79ms/step
>4639, dr[0.608,0.290], df[0.751,0.093], g[1.078,0.112]
1/1 [=====] - 0s 89ms/step
>4640, dr[0.587,0.598], df[0.690,0.040], g[1.049,0.083]
1/1 [=====] - 0s 82ms/step
>4641, dr[0.534,0.711], df[0.758,0.147], g[1.058,0.033]
1/1 [=====] - 0s 88ms/step
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>4642, dr[0.574,0.539], df[0.521,0.043], g[1.115,0.051]
1/1 [=====] - 0s 88ms/step
>4643, dr[0.528,0.441], df[0.569,0.066], g[1.357,0.040]
1/1 [=====] - 0s 81ms/step
>4644, dr[0.688,0.262], df[0.522,0.017], g[1.069,0.074]
1/1 [=====] - 0s 78ms/step
>4645, dr[0.712,0.368], df[0.562,0.043], g[0.930,0.047]
1/1 [=====] - 0s 84ms/step
>4646, dr[0.755,0.291], df[0.622,0.035], g[0.971,0.058]
1/1 [=====] - 0s 80ms/step
>4647, dr[0.496,0.449], df[0.612,0.098], g[0.990,0.060]
1/1 [=====] - 0s 81ms/step
>4648, dr[0.654,0.637], df[0.830,0.079], g[0.931,0.079]
1/1 [=====] - 0s 78ms/step
>4649, dr[0.584,0.297], df[0.829,0.101], g[1.102,0.051]
1/1 [=====] - 0s 81ms/step
>4650, dr[0.764,0.655], df[0.790,0.067], g[1.085,0.041]
1/1 [=====] - 0s 99ms/step
>4651, dr[0.678,0.302], df[0.495,0.044], g[1.028,0.114]
1/1 [=====] - 0s 86ms/step
>4652, dr[0.717,0.799], df[0.704,0.117], g[1.137,0.040]
1/1 [=====] - 0s 81ms/step
>4653, dr[0.614,0.317], df[0.554,0.033], g[1.059,0.051]
1/1 [=====] - 0s 85ms/step
>4654, dr[0.666,0.465], df[0.698,0.074], g[1.114,0.060]
1/1 [=====] - 0s 81ms/step
>4655, dr[0.650,0.553], df[0.571,0.030], g[1.079,0.046]
1/1 [=====] - 0s 85ms/step
>4656, dr[0.614,0.753], df[0.770,0.029], g[1.126,0.077]
1/1 [=====] - 0s 84ms/step
>4657, dr[0.494,0.724], df[0.618,0.016], g[1.091,0.061]
1/1 [=====] - 0s 82ms/step
>4658, dr[0.628,0.331], df[0.737,0.091], g[1.138,0.063]
1/1 [=====] - 0s 90ms/step
>4659, dr[0.678,0.494], df[0.451,0.056], g[1.254,0.035]
1/1 [=====] - 0s 84ms/step
>4660, dr[0.643,0.611], df[0.680,0.042], g[1.031,0.066]
1/1 [=====] - 0s 80ms/step
>4661, dr[0.727,0.372], df[0.615,0.036], g[1.006,0.101]
1/1 [=====] - 0s 88ms/step
>4662, dr[0.537,0.619], df[0.630,0.039], g[1.036,0.065]
1/1 [=====] - 0s 79ms/step
>4663, dr[0.615,0.782], df[0.759,0.039], g[1.143,0.092]
1/1 [=====] - 0s 81ms/step
>4664, dr[0.538,0.357], df[0.631,0.054], g[1.065,0.095]
1/1 [=====] - 0s 92ms/step
>4665, dr[0.649,0.327], df[0.626,0.054], g[1.043,0.137]
1/1 [=====] - 0s 82ms/step
>4666, dr[0.629,0.417], df[0.753,0.049], g[1.054,0.090]
1/1 [=====] - 0s 88ms/step
>4667, dr[0.540,0.888], df[0.595,0.054], g[1.215,0.026]
1/1 [=====] - 0s 81ms/step
>4668, dr[0.672,0.467], df[0.566,0.023], g[1.182,0.018]
1/1 [=====] - 0s 88ms/step
>4669, dr[0.678,0.382], df[0.484,0.084], g[1.045,0.041]
1/1 [=====] - 0s 88ms/step
>4670, dr[0.691,0.331], df[0.787,0.042], g[0.933,0.059]
1/1 [=====] - 0s 84ms/step
>4671, dr[0.569,0.808], df[0.615,0.113], g[1.090,0.082]
1/1 [=====] - 0s 82ms/step
```

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>4672, dr[0.558,0.695], df[0.752,0.024], g[1.177,0.040]
1/1 [=====] - 0s 87ms/step
>4673, dr[0.645,0.356], df[0.773,0.039], g[1.017,0.091]
1/1 [=====] - 0s 80ms/step
>4674, dr[0.721,0.634], df[0.799,0.081], g[0.984,0.050]
1/1 [=====] - 0s 77ms/step
>4675, dr[0.780,0.522], df[0.570,0.055], g[0.974,0.024]
1/1 [=====] - 0s 86ms/step
>4676, dr[0.681,0.711], df[0.655,0.029], g[0.998,0.060]
1/1 [=====] - 0s 77ms/step
>4677, dr[0.624,0.946], df[0.787,0.050], g[0.973,0.060]
1/1 [=====] - 0s 80ms/step
>4678, dr[0.570,0.508], df[0.536,0.049], g[1.107,0.068]
1/1 [=====] - 0s 81ms/step
>4679, dr[0.628,0.411], df[0.624,0.035], g[0.924,0.067]
1/1 [=====] - 0s 78ms/step
>4680, dr[0.749,0.400], df[0.722,0.046], g[0.958,0.063]
1/1 [=====] - 0s 88ms/step
>4681, dr[0.642,0.435], df[0.671,0.061], g[0.905,0.042]
1/1 [=====] - 0s 75ms/step
>4682, dr[0.650,0.769], df[0.554,0.049], g[1.133,0.078]
1/1 [=====] - 0s 75ms/step
>4683, dr[0.681,0.235], df[0.733,0.017], g[0.950,0.059]
1/1 [=====] - 0s 79ms/step
>4684, dr[0.734,0.719], df[0.614,0.026], g[0.948,0.037]
1/1 [=====] - 0s 76ms/step
>4685, dr[0.601,0.437], df[0.489,0.078], g[1.032,0.024]
4/4 [=====] - 0s 51ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_4685.png and model_4685.h5
1/1 [=====] - 0s 79ms/step
>4686, dr[0.693,0.657], df[0.877,0.066], g[0.968,0.028]
1/1 [=====] - 0s 78ms/step
>4687, dr[0.510,0.249], df[0.601,0.056], g[0.988,0.046]
1/1 [=====] - 0s 89ms/step
>4688, dr[0.692,0.718], df[0.560,0.082], g[1.009,0.032]
1/1 [=====] - 0s 81ms/step
>4689, dr[0.585,0.228], df[0.600,0.013], g[1.008,0.034]
1/1 [=====] - 0s 86ms/step
>4690, dr[0.526,0.580], df[0.532,0.055], g[0.872,0.070]
1/1 [=====] - 0s 88ms/step
>4691, dr[0.690,0.489], df[0.603,0.155], g[0.943,0.064]
1/1 [=====] - 0s 76ms/step
>4692, dr[0.595,0.601], df[0.699,0.028], g[0.976,0.069]
1/1 [=====] - 0s 79ms/step
>4693, dr[0.623,0.464], df[0.739,0.052], g[1.031,0.090]
1/1 [=====] - 0s 92ms/step
>4694, dr[0.729,0.637], df[0.615,0.050], g[1.003,0.070]
1/1 [=====] - 0s 86ms/step
>4695, dr[0.549,0.587], df[0.651,0.025], g[1.068,0.066]
1/1 [=====] - 0s 77ms/step
>4696, dr[0.550,0.328], df[0.612,0.027], g[1.102,0.058]
1/1 [=====] - 0s 88ms/step
>4697, dr[0.596,0.229], df[0.703,0.034], g[1.127,0.068]
1/1 [=====] - 0s 75ms/step
>4698, dr[0.685,0.193], df[0.668,0.028], g[1.120,0.035]
1/1 [=====] - 0s 114ms/step
>4699, dr[0.824,0.417], df[0.683,0.044], g[1.094,0.131]
1/1 [=====] - 0s 80ms/step
```

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>4700, dr[0.589,0.507], df[0.642,0.060], g[0.987,0.027]
1/1 [=====] - 0s 76ms/step
>4701, dr[0.573,0.276], df[0.575,0.062], g[1.072,0.039]
1/1 [=====] - 0s 85ms/step
>4702, dr[0.675,0.422], df[0.671,0.019], g[1.138,0.056]
1/1 [=====] - 0s 77ms/step
>4703, dr[0.630,0.682], df[0.724,0.024], g[1.072,0.034]
1/1 [=====] - 0s 77ms/step
>4704, dr[0.577,0.540], df[0.495,0.022], g[0.981,0.081]
1/1 [=====] - 0s 75ms/step
>4705, dr[0.532,0.641], df[0.570,0.073], g[1.090,0.113]
1/1 [=====] - 0s 75ms/step
>4706, dr[0.739,0.639], df[0.696,0.021], g[1.015,0.076]
1/1 [=====] - 0s 86ms/step
>4707, dr[0.638,0.637], df[0.644,0.145], g[1.001,0.047]
1/1 [=====] - 0s 80ms/step
>4708, dr[0.547,0.374], df[0.502,0.045], g[0.977,0.101]
1/1 [=====] - 0s 83ms/step
>4709, dr[0.560,0.334], df[0.768,0.031], g[1.040,0.038]
1/1 [=====] - 0s 77ms/step
>4710, dr[0.575,0.439], df[0.542,0.043], g[1.081,0.169]
1/1 [=====] - 0s 77ms/step
>4711, dr[0.637,0.122], df[0.675,0.041], g[1.115,0.055]
1/1 [=====] - 0s 85ms/step
>4712, dr[0.836,0.628], df[0.732,0.050], g[1.179,0.021]
1/1 [=====] - 0s 75ms/step
>4713, dr[0.603,0.775], df[0.634,0.031], g[1.093,0.047]
1/1 [=====] - 0s 76ms/step
>4714, dr[0.683,0.581], df[0.698,0.039], g[0.959,0.060]
1/1 [=====] - 0s 79ms/step
>4715, dr[0.643,0.842], df[0.615,0.013], g[1.076,0.044]
1/1 [=====] - 0s 74ms/step
>4716, dr[0.663,0.273], df[0.638,0.033], g[1.038,0.035]
1/1 [=====] - 0s 84ms/step
>4717, dr[0.579,0.390], df[0.519,0.061], g[1.038,0.171]
1/1 [=====] - 0s 83ms/step
>4718, dr[0.700,1.127], df[0.658,0.102], g[0.951,0.044]
1/1 [=====] - 0s 76ms/step
>4719, dr[0.643,0.312], df[0.657,0.026], g[0.996,0.130]
1/1 [=====] - 0s 80ms/step
>4720, dr[0.545,0.382], df[0.630,0.057], g[0.888,0.098]
1/1 [=====] - 0s 77ms/step
>4721, dr[0.570,0.855], df[0.686,0.038], g[1.167,0.042]
1/1 [=====] - 0s 86ms/step
>4722, dr[0.655,0.446], df[0.756,0.090], g[1.164,0.034]
1/1 [=====] - 0s 79ms/step
>4723, dr[0.616,0.592], df[0.621,0.050], g[1.164,0.062]
1/1 [=====] - 0s 79ms/step
>4724, dr[0.640,0.712], df[0.531,0.050], g[1.177,0.110]
1/1 [=====] - 0s 84ms/step
>4725, dr[0.613,0.439], df[0.460,0.069], g[1.068,0.032]
1/1 [=====] - 0s 79ms/step
>4726, dr[0.704,0.355], df[0.763,0.062], g[0.990,0.049]
1/1 [=====] - 0s 82ms/step
>4727, dr[0.722,0.285], df[0.642,0.028], g[0.862,0.056]
1/1 [=====] - 0s 79ms/step
>4728, dr[0.600,0.601], df[0.745,0.048], g[1.135,0.050]
1/1 [=====] - 0s 79ms/step
>4729, dr[0.754,0.370], df[0.630,0.091], g[1.136,0.034]
1/1 [=====] - 0s 82ms/step
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>4730, dr[0.620,0.307], df[0.650,0.022], g[0.985,0.092]
1/1 [=====] - 0s 76ms/step
>4731, dr[0.728,0.397], df[0.570,0.066], g[1.016,0.084]
1/1 [=====] - 0s 84ms/step
>4732, dr[0.723,0.495], df[0.610,0.071], g[1.097,0.103]
1/1 [=====] - 0s 77ms/step
>4733, dr[0.541,0.654], df[0.682,0.049], g[1.014,0.070]
1/1 [=====] - 0s 75ms/step
>4734, dr[0.598,0.455], df[0.691,0.024], g[1.046,0.052]
1/1 [=====] - 0s 83ms/step
>4735, dr[0.688,0.930], df[0.640,0.033], g[1.064,0.021]
1/1 [=====] - 0s 81ms/step
>4736, dr[0.513,0.361], df[0.627,0.031], g[0.955,0.086]
1/1 [=====] - 0s 80ms/step
>4737, dr[0.610,0.457], df[0.598,0.045], g[1.013,0.051]
1/1 [=====] - 0s 99ms/step
>4738, dr[0.651,0.532], df[0.601,0.029], g[1.066,0.056]
1/1 [=====] - 0s 95ms/step
>4739, dr[0.574,0.657], df[0.667,0.073], g[1.121,0.030]
1/1 [=====] - 0s 106ms/step
>4740, dr[0.625,0.415], df[0.645,0.040], g[0.934,0.039]
1/1 [=====] - 0s 94ms/step
>4741, dr[0.654,0.369], df[0.676,0.137], g[1.075,0.058]
1/1 [=====] - 0s 94ms/step
>4742, dr[0.565,1.089], df[0.664,0.036], g[0.945,0.073]
1/1 [=====] - 0s 91ms/step
>4743, dr[0.597,0.703], df[0.711,0.125], g[1.192,0.042]
1/1 [=====] - 0s 122ms/step
>4744, dr[0.682,0.542], df[0.673,0.021], g[1.123,0.035]
1/1 [=====] - 0s 101ms/step
>4745, dr[0.665,0.420], df[0.631,0.038], g[1.187,0.062]
1/1 [=====] - 0s 93ms/step
>4746, dr[0.712,0.671], df[0.693,0.028], g[1.100,0.080]
1/1 [=====] - 0s 107ms/step
>4747, dr[0.648,0.706], df[0.552,0.067], g[0.960,0.066]
1/1 [=====] - 0s 87ms/step
>4748, dr[0.510,0.589], df[0.736,0.080], g[1.060,0.052]
1/1 [=====] - 0s 92ms/step
>4749, dr[0.850,0.565], df[0.543,0.112], g[0.983,0.034]
1/1 [=====] - 0s 87ms/step
>4750, dr[0.661,0.727], df[0.571,0.039], g[0.890,0.080]
1/1 [=====] - 0s 80ms/step
>4751, dr[0.520,0.438], df[0.748,0.053], g[0.843,0.045]
1/1 [=====] - 0s 88ms/step
>4752, dr[0.742,0.554], df[0.619,0.039], g[1.114,0.085]
1/1 [=====] - 0s 83ms/step
>4753, dr[0.607,0.642], df[0.637,0.059], g[0.990,0.052]
1/1 [=====] - 0s 83ms/step
>4754, dr[0.672,0.433], df[0.606,0.064], g[1.067,0.060]
1/1 [=====] - 0s 83ms/step
>4755, dr[0.746,0.737], df[0.650,0.066], g[1.051,0.042]
1/1 [=====] - 0s 90ms/step
>4756, dr[0.631,0.418], df[0.707,0.030], g[1.027,0.045]
1/1 [=====] - 0s 80ms/step
>4757, dr[0.613,0.300], df[0.659,0.055], g[1.132,0.072]
1/1 [=====] - 0s 79ms/step
>4758, dr[0.535,0.307], df[0.613,0.092], g[1.095,0.054]
1/1 [=====] - 0s 86ms/step
>4759, dr[0.611,0.352], df[0.561,0.135], g[1.025,0.054]
1/1 [=====] - 0s 79ms/step
```

```
>4760, dr[0.615,0.854], df[0.508,0.042], g[1.064,0.054]
1/1 [=====] - 0s 82ms/step
>4761, dr[0.659,0.234], df[0.750,0.034], g[1.031,0.032]
1/1 [=====] - 0s 92ms/step
>4762, dr[0.695,0.536], df[0.711,0.056], g[1.026,0.047]
1/1 [=====] - 0s 81ms/step
>4763, dr[0.668,0.460], df[0.798,0.039], g[0.972,0.077]
1/1 [=====] - 0s 82ms/step
>4764, dr[0.738,0.453], df[0.687,0.025], g[1.052,0.034]
1/1 [=====] - 0s 86ms/step
>4765, dr[0.627,0.504], df[0.776,0.027], g[0.992,0.069]
1/1 [=====] - 0s 80ms/step
>4766, dr[0.672,0.646], df[0.638,0.043], g[1.002,0.034]
1/1 [=====] - 0s 88ms/step
>4767, dr[0.546,0.857], df[0.700,0.062], g[1.018,0.159]
1/1 [=====] - 0s 79ms/step
>4768, dr[0.614,0.354], df[0.543,0.045], g[1.030,0.097]
1/1 [=====] - 0s 86ms/step
>4769, dr[0.706,0.567], df[0.602,0.024], g[0.960,0.034]
1/1 [=====] - 0s 91ms/step
>4770, dr[0.607,0.343], df[0.640,0.049], g[0.896,0.054]
1/1 [=====] - 0s 77ms/step
>4771, dr[0.671,0.421], df[0.658,0.034], g[0.893,0.027]
1/1 [=====] - 0s 93ms/step
>4772, dr[0.566,0.195], df[0.634,0.032], g[0.925,0.040]
1/1 [=====] - 0s 97ms/step
>4773, dr[0.509,0.247], df[0.673,0.076], g[1.189,0.036]
1/1 [=====] - 0s 80ms/step
>4774, dr[0.595,0.492], df[0.630,0.076], g[1.148,0.098]
1/1 [=====] - 0s 98ms/step
>4775, dr[0.581,0.551], df[0.621,0.059], g[1.133,0.038]
1/1 [=====] - 0s 93ms/step
>4776, dr[0.607,0.198], df[0.515,0.040], g[1.102,0.049]
1/1 [=====] - 0s 83ms/step
>4777, dr[0.792,0.399], df[0.494,0.053], g[1.060,0.133]
1/1 [=====] - 0s 82ms/step
>4778, dr[0.697,0.642], df[0.594,0.024], g[0.976,0.039]
1/1 [=====] - 0s 90ms/step
>4779, dr[0.538,0.390], df[0.741,0.091], g[1.091,0.043]
1/1 [=====] - 0s 88ms/step
>4780, dr[0.684,0.340], df[0.724,0.025], g[0.972,0.025]
1/1 [=====] - 0s 89ms/step
>4781, dr[0.556,0.345], df[0.642,0.022], g[1.104,0.039]
1/1 [=====] - 0s 102ms/step
>4782, dr[0.634,0.213], df[0.536,0.031], g[1.065,0.085]
1/1 [=====] - 0s 77ms/step
>4783, dr[0.634,0.573], df[0.760,0.021], g[0.972,0.026]
1/1 [=====] - 0s 77ms/step
>4784, dr[0.549,0.393], df[0.583,0.019], g[1.248,0.047]
1/1 [=====] - 0s 78ms/step
>4785, dr[0.734,0.600], df[0.544,0.063], g[1.032,0.048]
1/1 [=====] - 0s 76ms/step
>4786, dr[0.697,0.803], df[0.531,0.015], g[0.906,0.040]
1/1 [=====] - 0s 88ms/step
>4787, dr[0.686,0.388], df[0.728,0.038], g[0.909,0.050]
1/1 [=====] - 0s 77ms/step
>4788, dr[0.647,0.297], df[0.756,0.039], g[0.971,0.044]
1/1 [=====] - 0s 78ms/step
>4789, dr[0.578,0.850], df[0.848,0.134], g[0.914,0.065]
1/1 [=====] - 0s 76ms/step
```

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>4790, dr[0.514,0.343], df[0.514,0.074], g[1.124,0.042]
1/1 [=====] - 0s 75ms/step
>4791, dr[0.803,0.600], df[0.671,0.046], g[0.877,0.036]
1/1 [=====] - 0s 85ms/step
>4792, dr[0.610,0.720], df[0.672,0.032], g[0.992,0.090]
1/1 [=====] - 0s 76ms/step
>4793, dr[0.508,0.808], df[0.673,0.034], g[1.057,0.184]
1/1 [=====] - 0s 83ms/step
>4794, dr[0.631,0.318], df[0.499,0.062], g[0.896,0.053]
1/1 [=====] - 0s 77ms/step
>4795, dr[0.640,0.515], df[0.732,0.074], g[1.035,0.048]
1/1 [=====] - 0s 78ms/step
>4796, dr[0.636,0.464], df[0.625,0.019], g[1.045,0.076]
1/1 [=====] - 0s 86ms/step
>4797, dr[0.603,0.574], df[0.611,0.048], g[1.074,0.038]
1/1 [=====] - 0s 88ms/step
>4798, dr[0.640,0.276], df[0.608,0.043], g[1.000,0.057]
1/1 [=====] - 0s 77ms/step
>4799, dr[0.671,0.197], df[0.661,0.052], g[0.995,0.043]
1/1 [=====] - 0s 86ms/step
>4800, dr[0.554,0.595], df[0.501,0.066], g[0.881,0.039]
1/1 [=====] - 0s 75ms/step
>4801, dr[0.713,0.554], df[0.675,0.035], g[1.027,0.052]
1/1 [=====] - 0s 76ms/step
>4802, dr[0.633,0.758], df[0.606,0.034], g[1.072,0.061]
1/1 [=====] - 0s 76ms/step
>4803, dr[0.684,0.876], df[0.695,0.035], g[1.125,0.067]
1/1 [=====] - 0s 77ms/step
>4804, dr[0.753,0.278], df[0.820,0.141], g[1.009,0.044]
1/1 [=====] - 0s 86ms/step
>4805, dr[0.593,0.572], df[0.574,0.026], g[1.029,0.063]
1/1 [=====] - 0s 77ms/step
>4806, dr[0.622,0.561], df[0.522,0.020], g[0.985,0.073]
1/1 [=====] - 0s 76ms/step
>4807, dr[0.509,0.380], df[0.739,0.036], g[1.041,0.033]
1/1 [=====] - 0s 78ms/step
>4808, dr[0.483,0.381], df[0.663,0.081], g[1.072,0.039]
1/1 [=====] - 0s 76ms/step
>4809, dr[0.689,0.859], df[0.555,0.064], g[1.102,0.062]
1/1 [=====] - 0s 82ms/step
>4810, dr[0.954,0.933], df[0.709,0.057], g[0.931,0.069]
1/1 [=====] - 0s 77ms/step
>4811, dr[0.624,0.756], df[0.621,0.076], g[0.893,0.062]
1/1 [=====] - 0s 78ms/step
>4812, dr[0.621,0.581], df[0.725,0.038], g[0.932,0.037]
1/1 [=====] - 0s 85ms/step
>4813, dr[0.579,0.608], df[0.653,0.029], g[0.941,0.049]
1/1 [=====] - 0s 77ms/step
>4814, dr[0.513,0.718], df[0.763,0.066], g[0.972,0.035]
1/1 [=====] - 0s 84ms/step
>4815, dr[0.696,0.584], df[0.649,0.015], g[1.011,0.120]
1/1 [=====] - 0s 80ms/step
>4816, dr[0.615,0.491], df[0.603,0.082], g[1.139,0.054]
1/1 [=====] - 0s 76ms/step
>4817, dr[0.694,0.999], df[0.788,0.087], g[0.986,0.045]
1/1 [=====] - 0s 87ms/step
>4818, dr[0.675,0.626], df[0.553,0.088], g[0.994,0.053]
1/1 [=====] - 0s 75ms/step
>4819, dr[0.574,0.305], df[0.543,0.042], g[1.001,0.066]
1/1 [=====] - 0s 79ms/step
```

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>4820, dr[0.614,0.297], df[0.746,0.045], g[0.972,0.054]
1/1 [=====] - 0s 77ms/step
>4821, dr[0.725,0.548], df[0.724,0.039], g[1.139,0.033]
1/1 [=====] - 0s 80ms/step
>4822, dr[0.684,0.369], df[0.705,0.030], g[0.994,0.046]
1/1 [=====] - 0s 84ms/step
>4823, dr[0.489,0.603], df[0.590,0.085], g[0.980,0.057]
1/1 [=====] - 0s 77ms/step
>4824, dr[0.639,0.910], df[0.552,0.044], g[1.135,0.057]
1/1 [=====] - 0s 75ms/step
>4825, dr[0.795,0.340], df[0.650,0.079], g[1.047,0.029]
1/1 [=====] - 0s 87ms/step
>4826, dr[0.724,0.302], df[0.759,0.121], g[1.164,0.030]
1/1 [=====] - 0s 77ms/step
>4827, dr[0.628,0.861], df[0.596,0.095], g[0.992,0.049]
1/1 [=====] - 0s 83ms/step
>4828, dr[0.698,0.550], df[0.701,0.123], g[1.018,0.050]
1/1 [=====] - 0s 79ms/step
>4829, dr[0.782,0.646], df[0.796,0.045], g[1.000,0.044]
1/1 [=====] - 0s 82ms/step
>4830, dr[0.547,0.648], df[0.770,0.022], g[1.115,0.040]
1/1 [=====] - 0s 81ms/step
>4831, dr[0.619,0.705], df[0.686,0.087], g[0.910,0.077]
1/1 [=====] - 0s 82ms/step
>4832, dr[0.722,0.345], df[0.584,0.059], g[1.099,0.054]
1/1 [=====] - 0s 76ms/step
>4833, dr[0.622,0.748], df[0.744,0.063], g[1.019,0.028]
1/1 [=====] - 0s 74ms/step
>4834, dr[0.733,0.828], df[0.648,0.031], g[0.990,0.031]
1/1 [=====] - 0s 83ms/step
>4835, dr[0.622,0.280], df[0.557,0.026], g[1.011,0.047]
1/1 [=====] - 0s 76ms/step
>4836, dr[0.615,0.507], df[0.680,0.051], g[1.042,0.080]
1/1 [=====] - 0s 126ms/step
>4837, dr[0.546,0.349], df[0.624,0.058], g[1.053,0.044]
1/1 [=====] - 0s 76ms/step
>4838, dr[0.516,0.534], df[0.559,0.057], g[1.072,0.084]
1/1 [=====] - 0s 88ms/step
>4839, dr[0.709,0.303], df[0.611,0.051], g[1.054,0.076]
1/1 [=====] - 0s 91ms/step
>4840, dr[0.604,0.479], df[0.553,0.018], g[0.988,0.049]
1/1 [=====] - 0s 255ms/step
>4841, dr[0.714,0.561], df[0.728,0.040], g[0.910,0.067]
1/1 [=====] - 0s 169ms/step
>4842, dr[0.630,0.479], df[0.773,0.158], g[1.073,0.032]
1/1 [=====] - 0s 135ms/step
>4843, dr[0.637,0.343], df[0.568,0.053], g[1.187,0.049]
1/1 [=====] - 0s 105ms/step
>4844, dr[0.827,0.479], df[0.728,0.039], g[0.946,0.076]
1/1 [=====] - 0s 138ms/step
>4845, dr[0.708,0.371], df[0.626,0.044], g[0.924,0.048]
1/1 [=====] - 0s 141ms/step
>4846, dr[0.635,0.157], df[0.671,0.051], g[0.907,0.047]
1/1 [=====] - 0s 90ms/step
>4847, dr[0.540,0.960], df[0.840,0.036], g[0.951,0.030]
1/1 [=====] - 0s 99ms/step
>4848, dr[0.584,0.188], df[0.923,0.023], g[1.027,0.041]
1/1 [=====] - 0s 93ms/step
>4849, dr[0.584,0.171], df[0.621,0.027], g[1.062,0.037]
1/1 [=====] - 0s 101ms/step
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>4850, dr[0.644,0.590], df[0.569,0.034], g[1.229,0.045]
1/1 [=====] - 0s 86ms/step
>4851, dr[0.791,0.486], df[0.661,0.041], g[1.012,0.026]
1/1 [=====] - 0s 92ms/step
>4852, dr[0.561,0.302], df[0.698,0.037], g[1.135,0.047]
1/1 [=====] - 0s 78ms/step
>4853, dr[0.669,0.862], df[0.733,0.176], g[1.065,0.055]
1/1 [=====] - 0s 87ms/step
>4854, dr[0.721,0.275], df[0.685,0.045], g[1.071,0.047]
1/1 [=====] - 0s 86ms/step
>4855, dr[0.643,0.600], df[0.526,0.094], g[1.099,0.028]
1/1 [=====] - 0s 79ms/step
>4856, dr[0.661,0.331], df[0.558,0.071], g[1.012,0.098]
1/1 [=====] - 0s 87ms/step
>4857, dr[0.678,0.369], df[0.722,0.068], g[1.061,0.019]
1/1 [=====] - 0s 87ms/step
>4858, dr[0.674,0.958], df[0.658,0.049], g[1.089,0.094]
1/1 [=====] - 0s 99ms/step
>4859, dr[0.611,0.468], df[0.697,0.198], g[1.113,0.041]
1/1 [=====] - 0s 85ms/step
>4860, dr[0.750,0.519], df[0.647,0.063], g[1.088,0.094]
1/1 [=====] - 0s 78ms/step
>4861, dr[0.599,0.427], df[0.630,0.046], g[1.016,0.065]
1/1 [=====] - 0s 76ms/step
>4862, dr[0.565,0.609], df[0.700,0.071], g[1.085,0.051]
1/1 [=====] - 0s 86ms/step
>4863, dr[0.682,0.375], df[0.697,0.077], g[1.100,0.040]
1/1 [=====] - 0s 82ms/step
>4864, dr[0.644,0.459], df[0.624,0.019], g[1.025,0.028]
1/1 [=====] - 0s 86ms/step
>4865, dr[0.685,0.736], df[0.655,0.026], g[0.951,0.053]
1/1 [=====] - 0s 86ms/step
>4866, dr[0.718,0.415], df[0.585,0.052], g[1.054,0.051]
1/1 [=====] - 0s 83ms/step
>4867, dr[0.575,0.548], df[0.680,0.082], g[1.064,0.040]
1/1 [=====] - 0s 80ms/step
>4868, dr[0.569,0.324], df[0.627,0.036], g[1.236,0.038]
1/1 [=====] - 0s 86ms/step
>4869, dr[0.853,0.468], df[0.625,0.045], g[0.945,0.021]
1/1 [=====] - 0s 80ms/step
>4870, dr[0.568,0.533], df[0.533,0.044], g[1.094,0.059]
1/1 [=====] - 0s 87ms/step
>4871, dr[0.506,0.153], df[0.701,0.054], g[1.044,0.029]
1/1 [=====] - 0s 86ms/step
>4872, dr[0.626,0.241], df[0.635,0.025], g[1.099,0.055]
1/1 [=====] - 0s 81ms/step
>4873, dr[0.697,0.404], df[0.641,0.062], g[1.083,0.074]
1/1 [=====] - 0s 88ms/step
>4874, dr[0.455,0.447], df[0.587,0.080], g[1.197,0.021]
1/1 [=====] - 0s 91ms/step
>4875, dr[0.602,0.526], df[0.602,0.054], g[1.011,0.081]
1/1 [=====] - 0s 83ms/step
>4876, dr[0.669,0.641], df[0.665,0.040], g[1.106,0.038]
1/1 [=====] - 0s 103ms/step
>4877, dr[0.611,0.520], df[0.560,0.022], g[0.982,0.031]
1/1 [=====] - 0s 79ms/step
>4878, dr[0.695,0.399], df[0.616,0.032], g[1.043,0.028]
1/1 [=====] - 0s 81ms/step
>4879, dr[0.818,0.469], df[0.669,0.040], g[1.004,0.040]
1/1 [=====] - 0s 83ms/step
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>4880, dr[0.643,1.048], df[0.857,0.043], g[0.928,0.038]
1/1 [=====] - 0s 76ms/step
>4881, dr[0.586,0.582], df[0.660,0.048], g[1.010,0.080]
1/1 [=====] - 0s 88ms/step
>4882, dr[0.589,0.601], df[0.606,0.057], g[1.087,0.074]
1/1 [=====] - 0s 79ms/step
>4883, dr[0.634,0.462], df[0.768,0.016], g[1.099,0.026]
1/1 [=====] - 0s 86ms/step
>4884, dr[0.681,0.704], df[0.704,0.023], g[1.046,0.050]
1/1 [=====] - 0s 76ms/step
>4885, dr[0.670,0.495], df[0.611,0.051], g[1.054,0.062]
1/1 [=====] - 0s 89ms/step
>4886, dr[0.624,0.799], df[0.640,0.051], g[1.107,0.049]
1/1 [=====] - 0s 91ms/step
>4887, dr[0.789,0.429], df[0.601,0.066], g[1.049,0.045]
1/1 [=====] - 0s 77ms/step
>4888, dr[0.537,0.418], df[0.744,0.051], g[1.158,0.045]
1/1 [=====] - 0s 86ms/step
>4889, dr[0.673,0.551], df[0.687,0.087], g[0.988,0.049]
1/1 [=====] - 0s 77ms/step
>4890, dr[0.646,0.572], df[0.735,0.037], g[1.026,0.037]
1/1 [=====] - 0s 87ms/step
>4891, dr[0.879,0.791], df[0.646,0.021], g[0.988,0.050]
1/1 [=====] - 0s 79ms/step
>4892, dr[0.657,0.493], df[0.604,0.049], g[0.976,0.060]
1/1 [=====] - 0s 84ms/step
>4893, dr[0.561,0.429], df[0.656,0.017], g[0.902,0.066]
1/1 [=====] - 0s 85ms/step
>4894, dr[0.599,0.528], df[0.614,0.066], g[1.080,0.034]
1/1 [=====] - 0s 76ms/step
>4895, dr[0.594,0.678], df[0.689,0.038], g[1.004,0.046]
1/1 [=====] - 0s 78ms/step
>4896, dr[0.606,0.567], df[0.670,0.089], g[1.079,0.088]
1/1 [=====] - 0s 78ms/step
>4897, dr[0.667,0.269], df[0.572,0.032], g[0.990,0.039]
1/1 [=====] - 0s 80ms/step
>4898, dr[0.753,0.504], df[0.597,0.029], g[0.922,0.031]
1/1 [=====] - 0s 84ms/step
>4899, dr[0.649,0.626], df[0.665,0.045], g[0.983,0.060]
1/1 [=====] - 0s 76ms/step
>4900, dr[0.620,0.454], df[0.639,0.033], g[0.925,0.066]
1/1 [=====] - 0s 78ms/step
>4901, dr[0.529,0.414], df[0.718,0.047], g[0.900,0.111]
1/1 [=====] - 0s 82ms/step
>4902, dr[0.555,0.738], df[0.745,0.047], g[1.196,0.029]
1/1 [=====] - 0s 76ms/step
>4903, dr[0.575,0.782], df[0.589,0.019], g[1.102,0.029]
1/1 [=====] - 0s 83ms/step
>4904, dr[0.912,0.335], df[0.753,0.098], g[1.054,0.022]
1/1 [=====] - 0s 76ms/step
>4905, dr[0.794,0.613], df[0.551,0.036], g[0.757,0.042]
1/1 [=====] - 0s 82ms/step
>4906, dr[0.755,0.323], df[0.675,0.026], g[0.952,0.015]
1/1 [=====] - 0s 85ms/step
>4907, dr[0.482,0.243], df[0.679,0.091], g[0.853,0.059]
1/1 [=====] - 0s 77ms/step
>4908, dr[0.522,0.639], df[0.672,0.040], g[0.946,0.029]
1/1 [=====] - 0s 78ms/step
>4909, dr[0.589,0.540], df[0.664,0.052], g[0.991,0.059]
1/1 [=====] - 0s 77ms/step
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>4910, dr[0.626,0.645], df[0.551,0.065], g[1.028,0.046]
1/1 [=====] - 0s 79ms/step
>4911, dr[0.578,0.511], df[0.742,0.070], g[1.040,0.047]
1/1 [=====] - 0s 84ms/step
>4912, dr[0.677,0.435], df[0.652,0.065], g[1.096,0.048]
1/1 [=====] - 0s 85ms/step
>4913, dr[0.673,0.466], df[0.639,0.035], g[1.087,0.040]
1/1 [=====] - 0s 80ms/step
>4914, dr[0.729,0.848], df[0.643,0.026], g[1.078,0.057]
1/1 [=====] - 0s 86ms/step
>4915, dr[0.717,0.376], df[0.668,0.045], g[1.050,0.045]
1/1 [=====] - 0s 77ms/step
>4916, dr[0.666,0.596], df[0.678,0.057], g[1.056,0.039]
1/1 [=====] - 0s 85ms/step
>4917, dr[0.596,0.532], df[0.759,0.062], g[1.095,0.030]
1/1 [=====] - 0s 85ms/step
>4918, dr[0.698,0.803], df[0.775,0.038], g[1.078,0.029]
1/1 [=====] - 0s 77ms/step
>4919, dr[0.643,0.413], df[0.599,0.033], g[1.121,0.053]
1/1 [=====] - 0s 83ms/step
>4920, dr[0.665,1.130], df[0.637,0.081], g[1.109,0.036]
1/1 [=====] - 0s 82ms/step
>4921, dr[0.547,0.284], df[0.569,0.022], g[1.024,0.071]
1/1 [=====] - 0s 82ms/step
>4922, dr[0.540,0.521], df[0.577,0.039], g[1.121,0.074]
1/1 [=====] - 0s 84ms/step
>4923, dr[0.587,0.458], df[0.644,0.040], g[1.054,0.061]
1/1 [=====] - 0s 78ms/step
>4924, dr[0.560,0.250], df[0.635,0.040], g[1.044,0.037]
1/1 [=====] - 0s 80ms/step
>4925, dr[0.635,0.280], df[0.480,0.114], g[1.088,0.025]
1/1 [=====] - 0s 77ms/step
>4926, dr[0.652,0.284], df[0.752,0.039], g[1.086,0.072]
1/1 [=====] - 0s 77ms/step
>4927, dr[0.676,0.290], df[0.734,0.021], g[1.087,0.057]
1/1 [=====] - 0s 91ms/step
>4928, dr[0.677,0.465], df[0.679,0.048], g[1.051,0.045]
1/1 [=====] - 0s 79ms/step
>4929, dr[0.795,0.470], df[0.725,0.024], g[1.086,0.063]
1/1 [=====] - 0s 84ms/step
>4930, dr[0.652,0.459], df[0.584,0.048], g[1.071,0.084]
1/1 [=====] - 0s 84ms/step
>4931, dr[0.759,0.453], df[0.648,0.098], g[0.993,0.059]
1/1 [=====] - 0s 79ms/step
>4932, dr[0.683,0.765], df[0.623,0.061], g[0.986,0.091]
1/1 [=====] - 0s 81ms/step
>4933, dr[0.622,0.634], df[0.694,0.101], g[0.924,0.073]
1/1 [=====] - 0s 89ms/step
>4934, dr[0.696,0.769], df[0.626,0.010], g[0.855,0.059]
1/1 [=====] - 0s 86ms/step
>4935, dr[0.588,0.526], df[0.599,0.019], g[0.951,0.032]
1/1 [=====] - 0s 83ms/step
>4936, dr[0.706,0.260], df[0.666,0.082], g[0.925,0.058]
1/1 [=====] - 0s 77ms/step
>4937, dr[0.570,0.539], df[0.719,0.053], g[0.987,0.026]
1/1 [=====] - 0s 84ms/step
>4938, dr[0.517,0.433], df[0.689,0.054], g[1.154,0.054]
1/1 [=====] - 0s 96ms/step
>4939, dr[0.782,0.455], df[0.625,0.048], g[0.937,0.057]
1/1 [=====] - 0s 97ms/step
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>4940, dr[0.558,0.438], df[0.567,0.017], g[0.949,0.026]
1/1 [=====] - 0s 93ms/step
>4941, dr[0.732,0.218], df[0.549,0.085], g[0.999,0.038]
1/1 [=====] - 0s 95ms/step
>4942, dr[0.666,0.409], df[0.647,0.034], g[0.969,0.038]
1/1 [=====] - 0s 92ms/step
>4943, dr[0.544,0.624], df[0.699,0.041], g[0.927,0.052]
1/1 [=====] - 0s 94ms/step
>4944, dr[0.800,0.386], df[0.719,0.020], g[1.123,0.035]
1/1 [=====] - 0s 94ms/step
>4945, dr[0.622,0.369], df[0.600,0.037], g[0.938,0.085]
1/1 [=====] - 0s 92ms/step
>4946, dr[0.608,0.505], df[0.708,0.041], g[1.013,0.022]
1/1 [=====] - 0s 86ms/step
>4947, dr[0.657,0.327], df[0.656,0.062], g[0.982,0.026]
1/1 [=====] - 0s 117ms/step
>4948, dr[0.524,0.831], df[0.685,0.025], g[0.933,0.074]
1/1 [=====] - 0s 101ms/step
>4949, dr[0.687,0.232], df[0.578,0.052], g[0.920,0.063]
1/1 [=====] - 0s 97ms/step
>4950, dr[0.723,0.453], df[0.746,0.008], g[1.080,0.063]
1/1 [=====] - 0s 91ms/step
>4951, dr[0.621,0.264], df[0.624,0.054], g[1.136,0.057]
1/1 [=====] - 0s 104ms/step
>4952, dr[0.637,0.477], df[0.670,0.066], g[1.017,0.032]
1/1 [=====] - 0s 89ms/step
>4953, dr[0.493,0.583], df[0.532,0.025], g[1.080,0.045]
1/1 [=====] - 0s 89ms/step
>4954, dr[0.734,0.309], df[0.539,0.044], g[1.014,0.044]
1/1 [=====] - 0s 90ms/step
>4955, dr[0.740,0.343], df[0.607,0.041], g[1.081,0.045]
1/1 [=====] - 0s 90ms/step
>4956, dr[0.542,0.269], df[0.635,0.038], g[0.927,0.026]
1/1 [=====] - 0s 89ms/step
>4957, dr[0.531,0.678], df[0.764,0.034], g[1.021,0.062]
1/1 [=====] - 0s 93ms/step
>4958, dr[0.539,0.289], df[0.642,0.054], g[0.933,0.053]
1/1 [=====] - 0s 98ms/step
>4959, dr[0.661,0.536], df[0.698,0.024], g[1.013,0.071]
1/1 [=====] - 0s 83ms/step
>4960, dr[0.748,0.529], df[0.544,0.041], g[0.916,0.050]
1/1 [=====] - 0s 90ms/step
>4961, dr[0.717,0.158], df[0.904,0.092], g[1.029,0.026]
1/1 [=====] - 0s 91ms/step
>4962, dr[0.647,0.696], df[0.677,0.102], g[1.098,0.040]
1/1 [=====] - 0s 86ms/step
>4963, dr[0.611,0.806], df[0.677,0.042], g[1.062,0.049]
1/1 [=====] - 0s 88ms/step
>4964, dr[0.473,0.589], df[0.704,0.017], g[1.145,0.051]
1/1 [=====] - 0s 98ms/step
>4965, dr[0.745,0.510], df[0.629,0.037], g[1.110,0.032]
1/1 [=====] - 0s 96ms/step
>4966, dr[0.806,0.483], df[0.648,0.017], g[0.906,0.104]
1/1 [=====] - 0s 90ms/step
>4967, dr[0.723,0.768], df[0.641,0.071], g[1.035,0.061]
1/1 [=====] - 0s 98ms/step
>4968, dr[0.595,0.609], df[0.728,0.018], g[0.950,0.113]
1/1 [=====] - 0s 87ms/step
>4969, dr[0.684,0.508], df[0.680,0.049], g[0.991,0.069]
1/1 [=====] - 0s 86ms/step
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>4970, dr[0.552,0.255], df[0.627,0.028], g[0.982,0.044]
1/1 [=====] - 0s 90ms/step
>4971, dr[0.571,0.320], df[0.677,0.039], g[1.081,0.051]
1/1 [=====] - 0s 81ms/step
>4972, dr[0.667,0.277], df[0.592,0.043], g[1.006,0.034]
1/1 [=====] - 0s 87ms/step
>4973, dr[0.519,0.240], df[0.567,0.041], g[1.022,0.075]
1/1 [=====] - 0s 85ms/step
>4974, dr[0.746,0.404], df[0.457,0.029], g[1.135,0.060]
1/1 [=====] - 0s 78ms/step
>4975, dr[0.614,0.213], df[0.523,0.059], g[0.927,0.117]
1/1 [=====] - 0s 81ms/step
>4976, dr[0.676,0.394], df[0.635,0.032], g[0.997,0.070]
1/1 [=====] - 0s 92ms/step
>4977, dr[0.598,0.566], df[0.685,0.018], g[1.025,0.067]
1/1 [=====] - 0s 95ms/step
>4978, dr[0.489,0.243], df[0.526,0.023], g[1.003,0.092]
1/1 [=====] - 0s 84ms/step
>4979, dr[0.673,0.784], df[0.721,0.094], g[1.097,0.042]
1/1 [=====] - 0s 88ms/step
>4980, dr[0.679,0.467], df[0.641,0.033], g[0.971,0.059]
1/1 [=====] - 0s 78ms/step
>4981, dr[0.624,0.465], df[0.670,0.052], g[1.028,0.051]
1/1 [=====] - 0s 79ms/step
>4982, dr[0.653,0.461], df[0.670,0.035], g[0.949,0.039]
1/1 [=====] - 0s 90ms/step
>4983, dr[0.521,0.761], df[0.523,0.132], g[0.996,0.061]
1/1 [=====] - 0s 89ms/step
>4984, dr[0.638,0.398], df[0.664,0.026], g[1.002,0.053]
1/1 [=====] - 0s 89ms/step
>4985, dr[0.560,0.507], df[0.682,0.068], g[1.000,0.045]
1/1 [=====] - 0s 92ms/step
>4986, dr[0.551,0.387], df[0.580,0.038], g[1.020,0.027]
1/1 [=====] - 0s 82ms/step
>4987, dr[0.678,0.623], df[0.728,0.078], g[0.954,0.090]
1/1 [=====] - 0s 81ms/step
>4988, dr[0.666,0.629], df[0.668,0.056], g[0.997,0.062]
1/1 [=====] - 0s 89ms/step
>4989, dr[0.674,0.302], df[0.676,0.016], g[1.070,0.073]
1/1 [=====] - 0s 85ms/step
>4990, dr[0.614,0.432], df[0.676,0.116], g[0.997,0.087]
1/1 [=====] - 0s 85ms/step
>4991, dr[0.747,0.384], df[0.764,0.052], g[1.040,0.047]
1/1 [=====] - 0s 86ms/step
>4992, dr[0.613,0.746], df[0.534,0.043], g[1.053,0.031]
1/1 [=====] - 0s 80ms/step
>4993, dr[0.702,0.568], df[0.632,0.045], g[1.157,0.034]
1/1 [=====] - 0s 88ms/step
>4994, dr[0.769,0.623], df[0.646,0.024], g[0.938,0.049]
1/1 [=====] - 0s 100ms/step
>4995, dr[0.524,0.674], df[0.712,0.036], g[1.054,0.060]
1/1 [=====] - 0s 81ms/step
>4996, dr[0.615,0.301], df[0.895,0.014], g[0.967,0.036]
1/1 [=====] - 0s 96ms/step
>4997, dr[0.645,0.316], df[0.734,0.056], g[0.966,0.067]
1/1 [=====] - 0s 92ms/step
>4998, dr[0.602,0.344], df[0.659,0.046], g[1.070,0.021]
1/1 [=====] - 0s 88ms/step
>4999, dr[0.723,0.778], df[0.562,0.019], g[1.060,0.077]
1/1 [=====] - 0s 89ms/step
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>5000, dr[0.742,0.413], df[0.736,0.027], g[0.940,0.059]
1/1 [=====] - 0s 87ms/step
>5001, dr[0.581,0.338], df[0.718,0.029], g[0.949,0.059]
1/1 [=====] - 0s 89ms/step
>5002, dr[0.590,0.605], df[0.726,0.051], g[1.076,0.141]
1/1 [=====] - 0s 81ms/step
>5003, dr[0.654,0.601], df[0.626,0.026], g[1.058,0.025]
1/1 [=====] - 0s 91ms/step
>5004, dr[0.681,0.296], df[0.592,0.035], g[1.017,0.070]
1/1 [=====] - 0s 85ms/step
>5005, dr[0.582,0.652], df[0.649,0.029], g[1.126,0.076]
1/1 [=====] - 0s 82ms/step
>5006, dr[0.693,0.249], df[0.636,0.050], g[0.986,0.033]
1/1 [=====] - 0s 101ms/step
>5007, dr[0.695,0.219], df[0.673,0.038], g[0.914,0.041]
1/1 [=====] - 0s 82ms/step
>5008, dr[0.629,0.272], df[0.683,0.090], g[0.803,0.051]
1/1 [=====] - 0s 83ms/step
>5009, dr[0.655,0.888], df[0.757,0.099], g[0.847,0.047]
1/1 [=====] - 0s 92ms/step
>5010, dr[0.655,0.457], df[0.760,0.045], g[1.040,0.096]
1/1 [=====] - 0s 83ms/step
>5011, dr[0.579,0.708], df[0.617,0.050], g[1.153,0.031]
1/1 [=====] - 0s 84ms/step
>5012, dr[0.730,0.373], df[0.609,0.088], g[0.974,0.050]
1/1 [=====] - 0s 87ms/step
>5013, dr[0.653,0.609], df[0.621,0.074], g[1.043,0.042]
1/1 [=====] - 0s 85ms/step
>5014, dr[0.815,0.390], df[0.658,0.095], g[1.017,0.096]
1/1 [=====] - 0s 86ms/step
>5015, dr[0.613,0.806], df[0.708,0.052], g[0.983,0.044]
1/1 [=====] - 0s 88ms/step
>5016, dr[0.549,0.301], df[0.710,0.061], g[0.997,0.044]
1/1 [=====] - 0s 81ms/step
>5017, dr[0.656,0.547], df[0.614,0.026], g[1.023,0.029]
1/1 [=====] - 0s 91ms/step
>5018, dr[0.598,0.651], df[0.589,0.016], g[1.067,0.032]
1/1 [=====] - 0s 84ms/step
>5019, dr[0.659,0.554], df[0.772,0.024], g[1.127,0.062]
1/1 [=====] - 0s 81ms/step
>5020, dr[0.525,0.475], df[0.618,0.041], g[1.230,0.046]
1/1 [=====] - 0s 81ms/step
>5021, dr[0.675,0.600], df[0.682,0.070], g[1.122,0.049]
1/1 [=====] - 0s 77ms/step
>5022, dr[0.684,0.579], df[0.618,0.040], g[0.958,0.034]
1/1 [=====] - 0s 85ms/step
>5023, dr[0.639,0.522], df[0.596,0.072], g[1.056,0.098]
1/1 [=====] - 0s 83ms/step
>5024, dr[0.506,0.576], df[0.544,0.064], g[1.076,0.143]
1/1 [=====] - 0s 77ms/step
>5025, dr[0.670,0.532], df[0.545,0.026], g[0.936,0.030]
1/1 [=====] - 0s 79ms/step
>5026, dr[0.788,0.696], df[0.683,0.015], g[1.026,0.050]
1/1 [=====] - 0s 81ms/step
>5027, dr[0.688,0.565], df[0.616,0.045], g[0.952,0.030]
1/1 [=====] - 0s 75ms/step
>5028, dr[0.495,0.337], df[0.557,0.061], g[1.073,0.077]
1/1 [=====] - 0s 82ms/step
>5029, dr[0.660,0.533], df[0.712,0.020], g[0.994,0.025]
1/1 [=====] - 0s 76ms/step
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>5030, dr[0.723,0.554], df[0.713,0.071], g[1.060,0.044]
1/1 [=====] - 0s 87ms/step
>5031, dr[0.701,0.267], df[0.627,0.022], g[0.937,0.036]
1/1 [=====] - 0s 89ms/step
>5032, dr[0.517,0.346], df[0.620,0.120], g[1.069,0.051]
1/1 [=====] - 0s 76ms/step
>5033, dr[0.622,0.374], df[0.602,0.034], g[1.105,0.044]
1/1 [=====] - 0s 78ms/step
>5034, dr[0.586,0.311], df[0.510,0.041], g[0.853,0.076]
1/1 [=====] - 0s 76ms/step
>5035, dr[0.635,0.416], df[0.743,0.060], g[0.974,0.050]
1/1 [=====] - 0s 80ms/step
>5036, dr[0.641,0.241], df[0.596,0.039], g[0.980,0.050]
1/1 [=====] - 0s 84ms/step
>5037, dr[0.675,0.386], df[0.675,0.064], g[1.027,0.020]
1/1 [=====] - 0s 77ms/step
>5038, dr[0.592,0.582], df[0.728,0.044], g[0.880,0.044]
1/1 [=====] - 0s 81ms/step
>5039, dr[0.646,0.527], df[0.633,0.049], g[1.030,0.053]
1/1 [=====] - 0s 83ms/step
>5040, dr[0.596,0.594], df[0.587,0.046], g[1.136,0.029]
1/1 [=====] - 0s 77ms/step
>5041, dr[0.712,0.385], df[0.651,0.014], g[1.048,0.030]
1/1 [=====] - 0s 80ms/step
>5042, dr[0.558,0.598], df[0.848,0.022], g[1.087,0.029]
1/1 [=====] - 0s 77ms/step
>5043, dr[0.687,0.371], df[0.697,0.037], g[1.054,0.034]
1/1 [=====] - 0s 79ms/step
>5044, dr[0.648,0.661], df[0.611,0.076], g[1.143,0.036]
1/1 [=====] - 0s 82ms/step
>5045, dr[0.603,0.534], df[0.661,0.032], g[1.162,0.019]
1/1 [=====] - 0s 75ms/step
>5046, dr[0.587,0.686], df[0.638,0.017], g[1.007,0.060]
1/1 [=====] - 0s 82ms/step
>5047, dr[0.648,0.519], df[0.643,0.063], g[1.090,0.033]
1/1 [=====] - 0s 78ms/step
>5048, dr[0.684,0.754], df[0.656,0.175], g[1.119,0.026]
1/1 [=====] - 0s 76ms/step
>5049, dr[0.781,0.303], df[0.592,0.062], g[0.995,0.053]
1/1 [=====] - 0s 81ms/step
>5050, dr[0.536,0.678], df[0.537,0.076], g[1.025,0.042]
1/1 [=====] - 0s 77ms/step
>5051, dr[0.551,0.275], df[0.611,0.021], g[0.900,0.043]
1/1 [=====] - 0s 76ms/step
>5052, dr[0.643,0.274], df[0.585,0.047], g[0.900,0.055]
1/1 [=====] - 0s 81ms/step
>5053, dr[0.583,0.477], df[0.563,0.038], g[0.889,0.032]
1/1 [=====] - 0s 76ms/step
>5054, dr[0.691,0.437], df[0.804,0.041], g[1.142,0.052]
1/1 [=====] - 0s 80ms/step
>5055, dr[0.482,0.516], df[0.633,0.027], g[1.010,0.044]
1/1 [=====] - 0s 77ms/step
>5056, dr[0.658,0.504], df[0.583,0.089], g[0.949,0.080]
1/1 [=====] - 0s 77ms/step
>5057, dr[0.625,0.338], df[0.664,0.025], g[1.154,0.059]
1/1 [=====] - 0s 87ms/step
>5058, dr[0.661,0.321], df[0.527,0.044], g[0.937,0.018]
1/1 [=====] - 0s 77ms/step
>5059, dr[0.653,0.793], df[0.775,0.042], g[0.910,0.028]
1/1 [=====] - 0s 79ms/step
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>5060, dr[0.549,0.471], df[0.540,0.018], g[0.869,0.062]
1/1 [=====] - 0s 83ms/step
>5061, dr[0.527,0.401], df[0.598,0.087], g[0.913,0.060]
1/1 [=====] - 0s 76ms/step
>5062, dr[0.791,0.721], df[0.641,0.039], g[0.929,0.038]
1/1 [=====] - 0s 81ms/step
>5063, dr[0.582,0.390], df[0.697,0.057], g[0.961,0.046]
1/1 [=====] - 0s 83ms/step
>5064, dr[0.577,0.346], df[0.844,0.059], g[1.022,0.042]
1/1 [=====] - 0s 150ms/step
>5065, dr[0.617,0.376], df[0.622,0.038], g[1.186,0.067]
1/1 [=====] - 0s 115ms/step
>5066, dr[0.739,0.680], df[0.564,0.023], g[1.112,0.048]
1/1 [=====] - 0s 85ms/step
>5067, dr[0.661,0.541], df[0.507,0.027], g[0.956,0.129]
1/1 [=====] - 0s 79ms/step
>5068, dr[0.776,0.579], df[0.696,0.020], g[0.825,0.049]
1/1 [=====] - 0s 82ms/step
>5069, dr[0.623,0.583], df[0.747,0.058], g[0.890,0.034]
1/1 [=====] - 0s 82ms/step
>5070, dr[0.709,0.656], df[0.648,0.023], g[0.964,0.033]
1/1 [=====] - 0s 81ms/step
>5071, dr[0.600,0.547], df[0.750,0.045], g[0.976,0.039]
1/1 [=====] - 0s 81ms/step
>5072, dr[0.639,0.460], df[0.813,0.033], g[0.932,0.058]
1/1 [=====] - 0s 86ms/step
>5073, dr[0.498,0.768], df[0.611,0.062], g[1.046,0.037]
1/1 [=====] - 0s 81ms/step
>5074, dr[0.657,0.533], df[0.478,0.026], g[0.955,0.029]
1/1 [=====] - 0s 84ms/step
>5075, dr[0.788,0.320], df[0.695,0.050], g[0.864,0.055]
1/1 [=====] - 0s 85ms/step
>5076, dr[0.625,0.540], df[0.678,0.032], g[0.975,0.020]
1/1 [=====] - 0s 82ms/step
>5077, dr[0.603,0.245], df[0.688,0.045], g[1.041,0.021]
1/1 [=====] - 0s 89ms/step
>5078, dr[0.468,0.362], df[0.634,0.049], g[1.099,0.031]
1/1 [=====] - 0s 102ms/step
>5079, dr[0.638,0.542], df[0.621,0.048], g[0.961,0.048]
1/1 [=====] - 0s 85ms/step
>5080, dr[0.651,0.298], df[0.578,0.047], g[1.060,0.093]
1/1 [=====] - 0s 88ms/step
>5081, dr[0.650,0.736], df[0.537,0.022], g[1.118,0.064]
1/1 [=====] - 0s 96ms/step
>5082, dr[0.550,0.559], df[0.598,0.045], g[0.919,0.048]
1/1 [=====] - 0s 82ms/step
>5083, dr[0.565,0.510], df[0.711,0.056], g[1.092,0.043]
1/1 [=====] - 0s 86ms/step
>5084, dr[0.634,0.498], df[0.635,0.029], g[1.138,0.055]
1/1 [=====] - 0s 89ms/step
>5085, dr[0.728,1.112], df[0.746,0.048], g[0.962,0.017]
1/1 [=====] - 0s 84ms/step
>5086, dr[0.595,0.426], df[0.719,0.031], g[0.926,0.052]
1/1 [=====] - 0s 84ms/step
>5087, dr[0.762,0.414], df[0.656,0.020], g[1.099,0.018]
1/1 [=====] - 0s 86ms/step
>5088, dr[0.573,0.447], df[0.717,0.108], g[0.997,0.044]
1/1 [=====] - 0s 86ms/step
>5089, dr[0.636,0.231], df[0.558,0.036], g[1.125,0.043]
1/1 [=====] - 0s 88ms/step
```

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>5090, dr[0.793,0.928], df[0.728,0.044], g[0.965,0.061]
1/1 [=====] - 0s 96ms/step
>5091, dr[0.610,0.579], df[0.540,0.018], g[0.995,0.017]
1/1 [=====] - 0s 83ms/step
>5092, dr[0.500,1.008], df[0.713,0.028], g[1.066,0.076]
1/1 [=====] - 0s 89ms/step
>5093, dr[0.747,0.275], df[0.768,0.014], g[0.958,0.028]
1/1 [=====] - 0s 97ms/step
>5094, dr[0.666,0.774], df[0.615,0.021], g[0.960,0.049]
1/1 [=====] - 0s 91ms/step
>5095, dr[0.694,0.713], df[0.652,0.085], g[0.975,0.057]
1/1 [=====] - 0s 88ms/step
>5096, dr[0.522,0.352], df[0.569,0.030], g[0.987,0.054]
1/1 [=====] - 0s 90ms/step
>5097, dr[0.618,0.450], df[0.790,0.062], g[1.068,0.061]
1/1 [=====] - 0s 82ms/step
>5098, dr[0.716,0.428], df[0.620,0.028], g[1.037,0.034]
1/1 [=====] - 0s 92ms/step
>5099, dr[0.667,0.404], df[0.658,0.048], g[1.020,0.037]
1/1 [=====] - 0s 90ms/step
>5100, dr[0.698,0.344], df[0.698,0.034], g[1.016,0.042]
1/1 [=====] - 0s 89ms/step
>5101, dr[0.608,0.335], df[0.620,0.023], g[1.039,0.049]
1/1 [=====] - 0s 104ms/step
>5102, dr[0.586,0.303], df[0.572,0.064], g[1.055,0.092]
1/1 [=====] - 0s 93ms/step
>5103, dr[0.655,0.628], df[0.579,0.055], g[1.072,0.026]
1/1 [=====] - 0s 81ms/step
>5104, dr[0.656,0.830], df[0.741,0.040], g[0.948,0.028]
1/1 [=====] - 0s 84ms/step
>5105, dr[0.564,0.776], df[0.657,0.052], g[0.975,0.055]
1/1 [=====] - 0s 123ms/step
>5106, dr[0.585,0.557], df[0.466,0.060], g[0.952,0.109]
1/1 [=====] - 0s 82ms/step
>5107, dr[0.714,0.418], df[0.536,0.039], g[1.107,0.063]
1/1 [=====] - 0s 76ms/step
>5108, dr[0.631,0.765], df[0.832,0.029], g[0.973,0.075]
1/1 [=====] - 0s 80ms/step
>5109, dr[0.672,0.454], df[0.586,0.075], g[0.896,0.044]
1/1 [=====] - 0s 87ms/step
>5110, dr[0.685,0.588], df[0.651,0.046], g[0.942,0.039]
1/1 [=====] - 0s 89ms/step
>5111, dr[0.605,0.651], df[0.637,0.026], g[0.957,0.143]
1/1 [=====] - 0s 82ms/step
>5112, dr[0.606,0.585], df[0.771,0.043], g[0.960,0.039]
1/1 [=====] - 0s 80ms/step
>5113, dr[0.597,0.394], df[0.799,0.035], g[0.978,0.036]
1/1 [=====] - 0s 77ms/step
>5114, dr[0.522,0.308], df[0.640,0.016], g[1.100,0.033]
1/1 [=====] - 0s 80ms/step
>5115, dr[0.795,0.547], df[0.551,0.073], g[1.064,0.026]
1/1 [=====] - 0s 85ms/step
>5116, dr[0.780,0.666], df[0.732,0.028], g[0.956,0.032]
1/1 [=====] - 0s 83ms/step
>5117, dr[0.574,0.707], df[0.602,0.057], g[0.896,0.038]
1/1 [=====] - 0s 77ms/step
>5118, dr[0.640,0.489], df[0.658,0.017], g[0.964,0.030]
1/1 [=====] - 0s 84ms/step
>5119, dr[0.718,0.579], df[0.647,0.027], g[0.935,0.041]
1/1 [=====] - 0s 81ms/step
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>5120, dr[0.554,0.356], df[0.792,0.048], g[1.003,0.051]
1/1 [=====] - 0s 83ms/step
>5121, dr[0.689,0.437], df[0.555,0.117], g[1.004,0.030]
1/1 [=====] - 0s 79ms/step
>5122, dr[0.641,0.554], df[0.609,0.050], g[0.897,0.045]
1/1 [=====] - 0s 83ms/step
>5123, dr[0.567,0.427], df[0.689,0.073], g[1.055,0.083]
1/1 [=====] - 0s 88ms/step
>5124, dr[0.553,0.628], df[0.658,0.032], g[0.951,0.063]
1/1 [=====] - 0s 76ms/step
>5125, dr[0.658,0.485], df[0.549,0.049], g[0.955,0.101]
1/1 [=====] - 0s 76ms/step
>5126, dr[0.492,0.191], df[0.575,0.030], g[1.057,0.028]
1/1 [=====] - 0s 79ms/step
>5127, dr[0.702,0.490], df[0.493,0.026], g[0.939,0.077]
1/1 [=====] - 0s 75ms/step
>5128, dr[0.709,0.481], df[0.724,0.043], g[1.025,0.056]
1/1 [=====] - 0s 82ms/step
>5129, dr[0.530,0.437], df[0.743,0.028], g[1.118,0.029]
1/1 [=====] - 0s 80ms/step
>5130, dr[0.710,0.400], df[0.685,0.034], g[1.010,0.047]
1/1 [=====] - 0s 81ms/step
>5131, dr[0.633,0.562], df[0.615,0.023], g[1.035,0.036]
1/1 [=====] - 0s 81ms/step
>5132, dr[0.661,0.464], df[0.677,0.036], g[0.988,0.082]
1/1 [=====] - 0s 78ms/step
>5133, dr[0.661,0.877], df[0.646,0.058], g[0.958,0.064]
1/1 [=====] - 0s 83ms/step
>5134, dr[0.698,0.491], df[0.611,0.037], g[1.033,0.054]
1/1 [=====] - 0s 75ms/step
>5135, dr[0.674,0.680], df[0.773,0.068], g[1.018,0.035]
1/1 [=====] - 0s 76ms/step
>5136, dr[0.709,0.483], df[0.667,0.041], g[0.903,0.029]
1/1 [=====] - 0s 82ms/step
>5137, dr[0.584,0.755], df[0.708,0.018], g[0.901,0.025]
1/1 [=====] - 0s 82ms/step
>5138, dr[0.514,0.479], df[0.674,0.021], g[0.969,0.024]
1/1 [=====] - 0s 81ms/step
>5139, dr[0.568,0.880], df[0.661,0.030], g[1.063,0.037]
1/1 [=====] - 0s 82ms/step
>5140, dr[0.579,0.559], df[0.585,0.060], g[1.127,0.042]
1/1 [=====] - 0s 78ms/step
>5141, dr[0.708,0.240], df[0.699,0.043], g[1.120,0.028]
1/1 [=====] - 0s 85ms/step
>5142, dr[0.651,0.406], df[0.625,0.032], g[1.092,0.046]
1/1 [=====] - 0s 75ms/step
>5143, dr[0.611,0.875], df[0.572,0.038], g[1.049,0.085]
1/1 [=====] - 0s 77ms/step
>5144, dr[0.749,0.615], df[0.687,0.193], g[1.057,0.037]
1/1 [=====] - 0s 83ms/step
>5145, dr[0.625,0.323], df[0.529,0.036], g[1.064,0.034]
1/1 [=====] - 0s 77ms/step
>5146, dr[0.544,0.304], df[0.542,0.030], g[0.974,0.040]
1/1 [=====] - 0s 84ms/step
>5147, dr[0.660,0.659], df[0.643,0.046], g[0.961,0.039]
1/1 [=====] - 0s 76ms/step
>5148, dr[0.652,0.615], df[0.715,0.073], g[0.917,0.038]
1/1 [=====] - 0s 76ms/step
>5149, dr[0.636,0.350], df[0.572,0.035], g[0.965,0.065]
1/1 [=====] - 0s 76ms/step
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>5150, dr[0.588,0.564], df[0.678,0.022], g[0.973,0.069]
1/1 [=====] - 0s 77ms/step
>5151, dr[0.560,0.423], df[0.745,0.031], g[1.013,0.028]
1/1 [=====] - 0s 84ms/step
>5152, dr[0.686,0.622], df[0.634,0.027], g[1.046,0.023]
1/1 [=====] - 0s 78ms/step
>5153, dr[0.662,0.482], df[0.643,0.055], g[1.003,0.024]
1/1 [=====] - 0s 81ms/step
>5154, dr[0.769,0.451], df[0.573,0.031], g[0.979,0.024]
1/1 [=====] - 0s 78ms/step
>5155, dr[0.650,0.401], df[0.697,0.023], g[0.895,0.020]
1/1 [=====] - 0s 80ms/step
>5156, dr[0.561,0.582], df[0.778,0.029], g[0.985,0.034]
1/1 [=====] - 0s 81ms/step
>5157, dr[0.484,0.468], df[0.558,0.053], g[0.903,0.054]
1/1 [=====] - 0s 80ms/step
>5158, dr[0.655,0.201], df[0.646,0.040], g[1.000,0.050]
1/1 [=====] - 0s 78ms/step
>5159, dr[0.851,0.620], df[0.675,0.077], g[1.021,0.059]
1/1 [=====] - 0s 87ms/step
>5160, dr[0.586,0.366], df[0.652,0.054], g[0.908,0.056]
1/1 [=====] - 0s 84ms/step
>5161, dr[0.691,0.191], df[0.706,0.038], g[0.914,0.051]
1/1 [=====] - 0s 76ms/step
>5162, dr[0.508,0.431], df[0.590,0.030], g[0.867,0.104]
1/1 [=====] - 0s 77ms/step
>5163, dr[0.452,0.508], df[0.692,0.047], g[1.024,0.036]
1/1 [=====] - 0s 94ms/step
>5164, dr[0.626,0.586], df[0.754,0.081], g[1.049,0.161]
1/1 [=====] - 0s 81ms/step
>5165, dr[0.625,0.557], df[0.710,0.025], g[1.120,0.035]
1/1 [=====] - 0s 76ms/step
>5166, dr[0.710,0.420], df[0.468,0.078], g[1.079,0.020]
1/1 [=====] - 0s 77ms/step
>5167, dr[0.711,0.565], df[0.598,0.014], g[0.905,0.067]
1/1 [=====] - 0s 92ms/step
>5168, dr[0.620,0.401], df[0.653,0.054], g[0.797,0.033]
1/1 [=====] - 0s 74ms/step
>5169, dr[0.695,0.492], df[0.752,0.071], g[1.078,0.043]
1/1 [=====] - 0s 83ms/step
>5170, dr[0.477,0.301], df[0.689,0.072], g[1.004,0.025]
1/1 [=====] - 0s 76ms/step
>5171, dr[0.696,0.454], df[0.578,0.022], g[0.905,0.027]
1/1 [=====] - 0s 77ms/step
>5172, dr[0.728,0.284], df[0.735,0.143], g[1.058,0.049]
1/1 [=====] - 0s 82ms/step
>5173, dr[0.605,0.575], df[0.582,0.019], g[1.096,0.059]
1/1 [=====] - 0s 77ms/step
>5174, dr[0.613,0.690], df[0.674,0.090], g[1.060,0.052]
1/1 [=====] - 0s 89ms/step
>5175, dr[0.724,0.537], df[0.597,0.040], g[0.964,0.053]
1/1 [=====] - 0s 81ms/step
>5176, dr[0.873,0.497], df[0.807,0.076], g[1.002,0.044]
1/1 [=====] - 0s 76ms/step
>5177, dr[0.703,1.006], df[0.756,0.055], g[0.889,0.037]
1/1 [=====] - 0s 78ms/step
>5178, dr[0.568,0.549], df[0.784,0.025], g[0.982,0.087]
1/1 [=====] - 0s 76ms/step
>5179, dr[0.812,0.468], df[0.681,0.046], g[0.925,0.036]
1/1 [=====] - 0s 82ms/step
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>5180, dr[0.618,0.387], df[0.567,0.045], g[0.958,0.041]
1/1 [=====] - 0s 77ms/step
>5181, dr[0.642,0.426], df[0.602,0.038], g[0.933,0.035]
1/1 [=====] - 0s 76ms/step
>5182, dr[0.631,0.504], df[0.645,0.029], g[0.979,0.040]
1/1 [=====] - 0s 84ms/step
>5183, dr[0.583,0.283], df[0.774,0.012], g[1.087,0.036]
1/1 [=====] - 0s 76ms/step
>5184, dr[0.642,0.568], df[0.750,0.057], g[1.051,0.051]
1/1 [=====] - 0s 86ms/step
>5185, dr[0.690,0.415], df[0.613,0.058], g[1.044,0.040]
1/1 [=====] - 0s 77ms/step
>5186, dr[0.572,0.288], df[0.615,0.041], g[1.081,0.025]
1/1 [=====] - 0s 76ms/step
>5187, dr[0.832,0.761], df[0.626,0.049], g[0.914,0.041]
1/1 [=====] - 0s 82ms/step
>5188, dr[0.689,0.748], df[0.881,0.035], g[0.972,0.104]
1/1 [=====] - 0s 79ms/step
>5189, dr[0.826,1.171], df[0.754,0.049], g[1.016,0.066]
1/1 [=====] - 0s 81ms/step
>5190, dr[0.680,0.557], df[0.628,0.042], g[0.949,0.042]
1/1 [=====] - 0s 85ms/step
>5191, dr[0.611,0.587], df[0.635,0.053], g[0.960,0.046]
1/1 [=====] - 0s 83ms/step
>5192, dr[0.753,0.450], df[0.707,0.039], g[1.019,0.064]
1/1 [=====] - 0s 85ms/step
>5193, dr[0.617,0.480], df[0.676,0.093], g[1.062,0.042]
1/1 [=====] - 0s 76ms/step
>5194, dr[0.651,0.220], df[0.628,0.065], g[0.918,0.087]
1/1 [=====] - 0s 79ms/step
>5195, dr[0.650,0.447], df[0.709,0.046], g[1.001,0.073]
1/1 [=====] - 0s 74ms/step
>5196, dr[0.636,0.507], df[0.514,0.069], g[0.926,0.033]
1/1 [=====] - 0s 77ms/step
>5197, dr[0.735,0.478], df[0.566,0.052], g[0.970,0.020]
1/1 [=====] - 0s 85ms/step
>5198, dr[0.454,0.237], df[0.626,0.014], g[1.023,0.079]
1/1 [=====] - 0s 76ms/step
>5199, dr[0.538,0.526], df[0.682,0.031], g[0.872,0.058]
1/1 [=====] - 0s 75ms/step
>5200, dr[0.608,0.619], df[0.669,0.063], g[0.982,0.078]
1/1 [=====] - 0s 75ms/step
>5201, dr[0.766,0.705], df[0.509,0.034], g[0.989,0.046]
1/1 [=====] - 0s 76ms/step
>5202, dr[0.640,0.638], df[0.768,0.076], g[0.907,0.033]
1/1 [=====] - 0s 84ms/step
>5203, dr[0.656,0.522], df[0.592,0.093], g[0.959,0.046]
1/1 [=====] - 0s 77ms/step
>5204, dr[0.581,0.848], df[0.708,0.043], g[0.978,0.138]
1/1 [=====] - 0s 77ms/step
>5205, dr[0.668,0.575], df[0.619,0.077], g[0.915,0.041]
1/1 [=====] - 0s 82ms/step
>5206, dr[0.572,0.260], df[0.671,0.039], g[1.031,0.090]
1/1 [=====] - 0s 75ms/step
>5207, dr[0.653,0.599], df[0.655,0.067], g[0.960,0.064]
1/1 [=====] - 0s 82ms/step
>5208, dr[0.729,0.343], df[0.651,0.051], g[0.909,0.028]
1/1 [=====] - 0s 85ms/step
>5209, dr[0.626,0.736], df[0.935,0.123], g[0.994,0.041]
1/1 [=====] - 0s 81ms/step
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>5210, dr[0.593,0.440], df[0.673,0.027], g[0.934,0.024]
1/1 [=====] - 0s 83ms/step
>5211, dr[0.642,0.571], df[0.540,0.101], g[0.935,0.116]
1/1 [=====] - 0s 75ms/step
>5212, dr[0.547,0.482], df[0.595,0.074], g[1.014,0.064]
1/1 [=====] - 0s 78ms/step
>5213, dr[0.648,0.258], df[0.614,0.041], g[1.058,0.043]
1/1 [=====] - 0s 81ms/step
>5214, dr[0.628,0.420], df[0.625,0.036], g[1.086,0.075]
1/1 [=====] - 0s 75ms/step
>5215, dr[0.718,0.786], df[0.591,0.059], g[0.863,0.160]
1/1 [=====] - 0s 84ms/step
>5216, dr[0.635,0.575], df[0.629,0.043], g[0.946,0.063]
1/1 [=====] - 0s 77ms/step
>5217, dr[0.565,0.548], df[0.626,0.075], g[0.982,0.022]
1/1 [=====] - 0s 79ms/step
>5218, dr[0.739,0.360], df[0.695,0.041], g[1.078,0.041]
1/1 [=====] - 0s 77ms/step
>5219, dr[0.581,0.525], df[0.554,0.052], g[0.962,0.132]
1/1 [=====] - 0s 73ms/step
>5220, dr[0.716,0.614], df[0.716,0.048], g[1.077,0.021]
1/1 [=====] - 0s 84ms/step
>5221, dr[0.556,0.406], df[0.647,0.026], g[1.081,0.051]
1/1 [=====] - 0s 80ms/step
>5222, dr[0.511,0.399], df[0.673,0.018], g[0.977,0.039]
1/1 [=====] - 0s 77ms/step
>5223, dr[0.756,0.515], df[0.610,0.027], g[0.987,0.033]
1/1 [=====] - 0s 97ms/step
>5224, dr[0.660,0.386], df[0.689,0.059], g[0.862,0.037]
1/1 [=====] - 0s 86ms/step
>5225, dr[0.545,0.502], df[0.602,0.022], g[0.943,0.082]
1/1 [=====] - 0s 92ms/step
>5226, dr[0.665,0.258], df[0.727,0.023], g[0.969,0.032]
1/1 [=====] - 0s 75ms/step
>5227, dr[0.472,0.540], df[0.561,0.043], g[1.120,0.042]
1/1 [=====] - 0s 75ms/step
>5228, dr[0.681,0.450], df[0.589,0.028], g[0.943,0.030]
1/1 [=====] - 0s 83ms/step
>5229, dr[0.553,1.058], df[0.613,0.081], g[1.090,0.036]
1/1 [=====] - 0s 81ms/step
>5230, dr[0.612,0.661], df[0.593,0.034], g[1.036,0.040]
1/1 [=====] - 0s 81ms/step
>5231, dr[0.555,0.791], df[0.666,0.036], g[1.062,0.027]
1/1 [=====] - 0s 75ms/step
>5232, dr[0.759,0.389], df[0.703,0.072], g[1.040,0.053]
1/1 [=====] - 0s 80ms/step
>5233, dr[0.666,0.733], df[0.645,0.017], g[0.943,0.037]
1/1 [=====] - 0s 82ms/step
>5234, dr[0.657,0.358], df[0.606,0.048], g[1.088,0.083]
1/1 [=====] - 0s 82ms/step
>5235, dr[0.632,0.893], df[0.523,0.031], g[1.061,0.052]
1/1 [=====] - 0s 76ms/step
>5236, dr[0.706,0.788], df[0.747,0.096], g[0.910,0.031]
1/1 [=====] - 0s 76ms/step
>5237, dr[0.652,0.514], df[0.743,0.025], g[0.947,0.058]
1/1 [=====] - 0s 101ms/step
>5238, dr[0.607,0.786], df[0.766,0.026], g[0.900,0.107]
1/1 [=====] - 0s 91ms/step
>5239, dr[0.666,0.344], df[0.696,0.055], g[1.069,0.023]
1/1 [=====] - 0s 94ms/step
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>5240, dr[0.744,0.355], df[0.676,0.051], g[1.033,0.039]
1/1 [=====] - 0s 76ms/step
>5241, dr[0.734,0.413], df[0.695,0.105], g[0.971,0.027]
1/1 [=====] - 0s 118ms/step
>5242, dr[0.692,0.858], df[0.783,0.019], g[0.938,0.039]
1/1 [=====] - 0s 79ms/step
>5243, dr[0.679,0.680], df[0.760,0.015], g[0.969,0.092]
1/1 [=====] - 0s 76ms/step
>5244, dr[0.650,0.290], df[0.698,0.035], g[0.895,0.046]
1/1 [=====] - 0s 83ms/step
>5245, dr[0.548,0.172], df[0.603,0.065], g[1.018,0.111]
1/1 [=====] - 0s 80ms/step
>5246, dr[0.696,0.587], df[0.699,0.033], g[1.021,0.041]
1/1 [=====] - 0s 76ms/step
>5247, dr[0.511,0.616], df[0.631,0.048], g[1.085,0.059]
1/1 [=====] - 0s 77ms/step
>5248, dr[0.720,0.411], df[0.779,0.076], g[1.137,0.044]
1/1 [=====] - 0s 78ms/step
>5249, dr[0.675,0.461], df[0.616,0.071], g[1.082,0.032]
1/1 [=====] - 0s 89ms/step
>5250, dr[0.789,0.788], df[0.624,0.036], g[1.032,0.070]
1/1 [=====] - 0s 79ms/step
>5251, dr[0.724,0.241], df[0.687,0.035], g[0.884,0.031]
1/1 [=====] - 0s 77ms/step
>5252, dr[0.618,0.489], df[0.680,0.027], g[1.061,0.063]
1/1 [=====] - 0s 79ms/step
>5253, dr[0.692,0.635], df[0.658,0.032], g[0.998,0.077]
1/1 [=====] - 0s 81ms/step
>5254, dr[0.786,0.454], df[0.621,0.037], g[0.942,0.046]
1/1 [=====] - 0s 83ms/step
>5255, dr[0.622,0.437], df[0.732,0.041], g[0.931,0.047]
1/1 [=====] - 0s 78ms/step
>5256, dr[0.538,0.549], df[0.609,0.040], g[1.005,0.072]
1/1 [=====] - 0s 80ms/step
>5257, dr[0.676,0.936], df[0.809,0.055], g[1.003,0.048]
1/1 [=====] - 0s 83ms/step
>5258, dr[0.631,0.900], df[0.495,0.029], g[1.035,0.064]
1/1 [=====] - 0s 76ms/step
>5259, dr[0.699,0.336], df[0.701,0.045], g[0.943,0.043]
1/1 [=====] - 0s 78ms/step
>5260, dr[0.645,0.628], df[0.690,0.046], g[0.974,0.047]
1/1 [=====] - 0s 76ms/step
>5261, dr[0.613,0.416], df[0.734,0.058], g[0.948,0.042]
1/1 [=====] - 0s 77ms/step
>5262, dr[0.716,0.487], df[0.748,0.023], g[0.954,0.060]
1/1 [=====] - 0s 85ms/step
>5263, dr[0.773,0.942], df[0.570,0.053], g[0.968,0.042]
1/1 [=====] - 0s 78ms/step
>5264, dr[0.760,0.356], df[0.691,0.056], g[0.929,0.052]
1/1 [=====] - 0s 76ms/step
>5265, dr[0.501,0.391], df[0.681,0.042], g[1.080,0.019]
1/1 [=====] - 0s 78ms/step
>5266, dr[0.657,0.641], df[0.590,0.025], g[1.072,0.038]
1/1 [=====] - 0s 75ms/step
>5267, dr[0.595,0.393], df[0.598,0.089], g[1.021,0.043]
1/1 [=====] - 0s 82ms/step
>5268, dr[0.758,0.867], df[0.559,0.009], g[0.854,0.027]
1/1 [=====] - 0s 80ms/step
>5269, dr[0.644,0.227], df[0.844,0.036], g[0.963,0.036]
1/1 [=====] - 0s 77ms/step
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>5270, dr[0.660,0.400], df[0.685,0.035], g[0.953,0.040]
1/1 [=====] - 0s 82ms/step
>5271, dr[0.644,0.790], df[0.689,0.027], g[1.078,0.059]
1/1 [=====] - 0s 82ms/step
>5272, dr[0.731,0.291], df[0.639,0.051], g[1.121,0.028]
1/1 [=====] - 0s 81ms/step
>5273, dr[0.711,0.434], df[0.703,0.104], g[0.982,0.046]
1/1 [=====] - 0s 84ms/step
>5274, dr[0.591,0.461], df[0.661,0.058], g[1.015,0.061]
1/1 [=====] - 0s 92ms/step
>5275, dr[0.575,0.283], df[0.588,0.020], g[0.946,0.037]
1/1 [=====] - 0s 88ms/step
>5276, dr[0.539,0.877], df[0.739,0.092], g[1.159,0.063]
1/1 [=====] - 0s 87ms/step
>5277, dr[0.602,0.243], df[0.503,0.012], g[1.176,0.030]
1/1 [=====] - 0s 93ms/step
>5278, dr[0.700,0.262], df[0.651,0.033], g[0.955,0.068]
1/1 [=====] - 0s 86ms/step
>5279, dr[0.676,1.246], df[0.653,0.057], g[1.019,0.023]
1/1 [=====] - 0s 81ms/step
>5280, dr[0.701,0.638], df[0.695,0.052], g[0.973,0.115]
1/1 [=====] - 0s 85ms/step
>5281, dr[0.657,0.374], df[0.622,0.056], g[0.943,0.056]
1/1 [=====] - 0s 83ms/step
>5282, dr[0.609,0.870], df[0.587,0.064], g[0.942,0.093]
1/1 [=====] - 0s 78ms/step
>5283, dr[0.683,0.636], df[0.727,0.046], g[0.968,0.047]
1/1 [=====] - 0s 87ms/step
>5284, dr[0.655,0.543], df[0.742,0.157], g[1.016,0.031]
1/1 [=====] - 0s 82ms/step
>5285, dr[0.550,0.331], df[0.593,0.028], g[0.968,0.037]
1/1 [=====] - 0s 85ms/step
>5286, dr[0.676,0.554], df[0.656,0.061], g[1.022,0.027]
1/1 [=====] - 0s 103ms/step
>5287, dr[0.691,0.887], df[0.676,0.126], g[1.032,0.048]
1/1 [=====] - 0s 83ms/step
>5288, dr[0.697,0.727], df[0.593,0.019], g[1.036,0.029]
1/1 [=====] - 0s 82ms/step
>5289, dr[0.656,0.529], df[0.661,0.031], g[1.012,0.033]
1/1 [=====] - 0s 94ms/step
>5290, dr[0.634,0.567], df[0.619,0.054], g[0.925,0.049]
1/1 [=====] - 0s 81ms/step
>5291, dr[0.564,0.421], df[0.597,0.037], g[0.996,0.069]
1/1 [=====] - 0s 96ms/step
>5292, dr[0.716,0.631], df[0.737,0.068], g[0.857,0.031]
1/1 [=====] - 0s 90ms/step
>5293, dr[0.636,0.286], df[0.616,0.101], g[1.037,0.059]
1/1 [=====] - 0s 91ms/step
>5294, dr[0.630,0.477], df[0.808,0.071], g[1.096,0.040]
1/1 [=====] - 0s 86ms/step
>5295, dr[0.616,0.349], df[0.531,0.054], g[1.089,0.066]
1/1 [=====] - 0s 99ms/step
>5296, dr[0.672,0.728], df[0.606,0.109], g[0.941,0.067]
1/1 [=====] - 0s 90ms/step
>5297, dr[0.699,0.455], df[0.627,0.087], g[0.952,0.060]
1/1 [=====] - 0s 90ms/step
>5298, dr[0.554,0.420], df[0.705,0.076], g[0.958,0.114]
1/1 [=====] - 0s 83ms/step
>5299, dr[0.529,0.629], df[0.592,0.020], g[1.041,0.038]
1/1 [=====] - 0s 77ms/step
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>5300, dr[0.766,0.419], df[0.669,0.089], g[1.023,0.027]
1/1 [=====] - 0s 76ms/step
>5301, dr[0.738,0.668], df[0.646,0.049], g[0.903,0.038]
1/1 [=====] - 0s 83ms/step
>5302, dr[0.525,0.732], df[0.584,0.025], g[0.996,0.021]
1/1 [=====] - 0s 79ms/step
>5303, dr[0.678,0.640], df[0.660,0.015], g[0.974,0.050]
1/1 [=====] - 0s 92ms/step
>5304, dr[0.649,0.477], df[0.779,0.028], g[0.862,0.031]
1/1 [=====] - 0s 84ms/step
>5305, dr[0.693,0.428], df[0.733,0.112], g[0.946,0.027]
1/1 [=====] - 0s 78ms/step
>5306, dr[0.724,0.485], df[0.719,0.063], g[0.915,0.050]
1/1 [=====] - 0s 121ms/step
>5307, dr[0.511,0.888], df[0.571,0.041], g[0.978,0.060]
1/1 [=====] - 0s 125ms/step
>5308, dr[0.656,0.744], df[0.620,0.132], g[0.869,0.047]
1/1 [=====] - 0s 108ms/step
>5309, dr[0.679,0.487], df[0.706,0.018], g[0.938,0.029]
1/1 [=====] - 0s 127ms/step
>5310, dr[0.676,0.391], df[0.645,0.014], g[1.002,0.073]
1/1 [=====] - 0s 112ms/step
>5311, dr[0.693,0.588], df[0.641,0.031], g[1.031,0.053]
1/1 [=====] - 0s 151ms/step
>5312, dr[0.539,0.384], df[0.764,0.014], g[0.889,0.050]
1/1 [=====] - 0s 125ms/step
>5313, dr[0.670,0.391], df[0.547,0.036], g[0.961,0.032]
1/1 [=====] - 0s 87ms/step
>5314, dr[0.609,0.358], df[0.752,0.075], g[1.015,0.033]
1/1 [=====] - 0s 87ms/step
>5315, dr[0.645,0.801], df[0.670,0.061], g[1.035,0.054]
1/1 [=====] - 0s 84ms/step
>5316, dr[0.576,0.410], df[0.542,0.032], g[0.942,0.050]
1/1 [=====] - 0s 83ms/step
>5317, dr[0.594,0.456], df[0.513,0.049], g[1.075,0.035]
1/1 [=====] - 0s 89ms/step
>5318, dr[0.689,0.422], df[0.755,0.021], g[1.019,0.056]
1/1 [=====] - 0s 85ms/step
>5319, dr[0.549,0.713], df[0.549,0.139], g[0.992,0.022]
1/1 [=====] - 0s 84ms/step
>5320, dr[0.655,0.461], df[0.686,0.049], g[0.980,0.039]
1/1 [=====] - 0s 93ms/step
>5321, dr[0.575,0.343], df[0.748,0.076], g[0.956,0.059]
1/1 [=====] - 0s 99ms/step
>5322, dr[0.723,0.926], df[0.773,0.070], g[0.925,0.085]
1/1 [=====] - 0s 86ms/step
>5323, dr[0.653,0.482], df[0.464,0.090], g[1.010,0.032]
1/1 [=====] - 0s 87ms/step
>5324, dr[0.735,0.760], df[0.674,0.065], g[1.000,0.024]
1/1 [=====] - 0s 89ms/step
>5325, dr[0.649,0.556], df[0.739,0.015], g[0.965,0.052]
1/1 [=====] - 0s 79ms/step
>5326, dr[0.600,0.373], df[0.550,0.075], g[0.871,0.027]
1/1 [=====] - 0s 76ms/step
>5327, dr[0.583,0.874], df[0.702,0.046], g[1.069,0.041]
1/1 [=====] - 0s 84ms/step
>5328, dr[0.671,0.626], df[0.893,0.027], g[0.861,0.022]
1/1 [=====] - 0s 81ms/step
>5329, dr[0.672,0.287], df[0.614,0.057], g[1.087,0.070]
1/1 [=====] - 0s 86ms/step
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>5330, dr[0.700,0.677], df[0.619,0.067], g[0.956,0.075]
1/1 [=====] - 0s 79ms/step
>5331, dr[0.609,0.302], df[0.671,0.057], g[0.947,0.025]
1/1 [=====] - 0s 82ms/step
>5332, dr[0.587,0.396], df[0.741,0.040], g[1.057,0.073]
1/1 [=====] - 0s 87ms/step
>5333, dr[0.650,0.538], df[0.566,0.096], g[1.112,0.068]
1/1 [=====] - 0s 79ms/step
>5334, dr[0.592,0.680], df[0.565,0.062], g[0.930,0.084]
1/1 [=====] - 0s 83ms/step
>5335, dr[0.637,0.291], df[0.599,0.032], g[0.934,0.053]
1/1 [=====] - 0s 79ms/step
>5336, dr[0.577,0.513], df[0.762,0.030], g[1.041,0.038]
1/1 [=====] - 0s 81ms/step
>5337, dr[0.680,0.332], df[0.711,0.098], g[1.014,0.072]
1/1 [=====] - 0s 83ms/step
>5338, dr[0.700,0.441], df[0.760,0.059], g[1.112,0.047]
1/1 [=====] - 0s 76ms/step
>5339, dr[0.620,0.444], df[0.764,0.032], g[1.130,0.047]
1/1 [=====] - 0s 77ms/step
>5340, dr[0.592,0.652], df[0.611,0.015], g[1.073,0.084]
1/1 [=====] - 0s 77ms/step
>5341, dr[0.753,0.487], df[0.684,0.031], g[0.963,0.073]
1/1 [=====] - 0s 84ms/step
>5342, dr[0.748,0.209], df[0.655,0.026], g[0.991,0.075]
1/1 [=====] - 0s 83ms/step
>5343, dr[0.577,0.523], df[0.652,0.097], g[0.875,0.033]
1/1 [=====] - 0s 76ms/step
>5344, dr[0.665,0.787], df[0.709,0.037], g[0.985,0.056]
1/1 [=====] - 0s 76ms/step
>5345, dr[0.699,0.383], df[0.728,0.040], g[0.895,0.132]
1/1 [=====] - 0s 76ms/step
>5346, dr[0.699,0.441], df[0.702,0.049], g[0.925,0.020]
1/1 [=====] - 0s 79ms/step
>5347, dr[0.624,0.643], df[0.712,0.063], g[1.033,0.059]
1/1 [=====] - 0s 82ms/step
>5348, dr[0.708,0.298], df[0.592,0.033], g[1.029,0.078]
1/1 [=====] - 0s 80ms/step
>5349, dr[0.641,0.537], df[0.476,0.024], g[0.868,0.059]
1/1 [=====] - 0s 76ms/step
>5350, dr[0.608,0.348], df[0.798,0.039], g[1.042,0.079]
1/1 [=====] - 0s 81ms/step
>5351, dr[0.582,0.434], df[0.607,0.043], g[0.970,0.025]
1/1 [=====] - 0s 89ms/step
>5352, dr[0.546,0.778], df[0.649,0.061], g[0.985,0.032]
1/1 [=====] - 0s 93ms/step
>5353, dr[0.698,0.408], df[0.619,0.039], g[1.004,0.105]
1/1 [=====] - 0s 81ms/step
>5354, dr[0.679,0.283], df[0.708,0.022], g[1.061,0.030]
1/1 [=====] - 0s 82ms/step
>5355, dr[0.691,0.219], df[0.675,0.032], g[1.079,0.062]
1/1 [=====] - 0s 87ms/step
>5356, dr[0.818,0.298], df[0.597,0.030], g[0.906,0.057]
1/1 [=====] - 0s 77ms/step
>5357, dr[0.662,0.430], df[0.636,0.019], g[0.878,0.025]
1/1 [=====] - 0s 77ms/step
>5358, dr[0.575,0.418], df[0.730,0.067], g[0.906,0.041]
1/1 [=====] - 0s 83ms/step
>5359, dr[0.686,0.367], df[0.704,0.036], g[1.041,0.056]
1/1 [=====] - 0s 78ms/step
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>5360, dr[0.747,0.658], df[0.669,0.046], g[0.958,0.046]
1/1 [=====] - 0s 82ms/step
>5361, dr[0.673,0.318], df[0.627,0.032], g[0.920,0.034]
1/1 [=====] - 0s 76ms/step
>5362, dr[0.622,0.280], df[0.711,0.033], g[0.852,0.035]
1/1 [=====] - 0s 90ms/step
>5363, dr[0.707,0.391], df[0.736,0.058], g[0.858,0.085]
1/1 [=====] - 0s 83ms/step
>5364, dr[0.684,0.519], df[0.788,0.024], g[0.988,0.033]
1/1 [=====] - 0s 81ms/step
>5365, dr[0.747,0.655], df[0.523,0.023], g[0.925,0.083]
1/1 [=====] - 0s 79ms/step
>5366, dr[0.594,0.619], df[0.630,0.059], g[0.925,0.034]
1/1 [=====] - 0s 76ms/step
>5367, dr[0.605,0.749], df[0.568,0.051], g[0.945,0.061]
1/1 [=====] - 0s 75ms/step
>5368, dr[0.628,0.302], df[0.725,0.014], g[0.897,0.053]
1/1 [=====] - 0s 89ms/step
>5369, dr[0.574,0.476], df[0.672,0.030], g[0.981,0.037]
1/1 [=====] - 0s 84ms/step
>5370, dr[0.649,0.582], df[0.639,0.033], g[0.969,0.028]
1/1 [=====] - 0s 75ms/step
>5371, dr[0.664,0.177], df[0.746,0.086], g[0.965,0.064]
1/1 [=====] - 0s 76ms/step
>5372, dr[0.906,0.800], df[0.721,0.027], g[0.995,0.064]
1/1 [=====] - 0s 78ms/step
>5373, dr[0.637,0.555], df[0.674,0.038], g[1.027,0.031]
1/1 [=====] - 0s 83ms/step
>5374, dr[0.577,0.285], df[0.651,0.109], g[1.004,0.039]
1/1 [=====] - 0s 77ms/step
>5375, dr[0.627,0.505], df[0.550,0.113], g[0.886,0.088]
1/1 [=====] - 0s 75ms/step
>5376, dr[0.621,0.614], df[0.632,0.055], g[1.051,0.060]
1/1 [=====] - 0s 88ms/step
>5377, dr[0.734,0.574], df[0.715,0.065], g[0.920,0.054]
1/1 [=====] - 0s 97ms/step
>5378, dr[0.640,0.406], df[0.779,0.054], g[0.937,0.036]
1/1 [=====] - 0s 117ms/step
>5379, dr[0.667,0.651], df[0.693,0.071], g[0.944,0.033]
1/1 [=====] - 0s 85ms/step
>5380, dr[0.660,0.501], df[0.646,0.038], g[1.057,0.061]
1/1 [=====] - 0s 86ms/step
>5381, dr[0.836,0.741], df[0.589,0.042], g[0.992,0.026]
1/1 [=====] - 0s 87ms/step
>5382, dr[0.663,0.346], df[0.840,0.033], g[0.972,0.050]
1/1 [=====] - 0s 81ms/step
>5383, dr[0.673,0.498], df[0.624,0.043], g[0.934,0.075]
1/1 [=====] - 0s 86ms/step
>5384, dr[0.576,0.227], df[0.729,0.170], g[1.059,0.030]
1/1 [=====] - 0s 89ms/step
>5385, dr[0.586,0.500], df[0.615,0.019], g[0.901,0.086]
1/1 [=====] - 0s 83ms/step
>5386, dr[0.760,0.390], df[0.655,0.036], g[1.065,0.048]
1/1 [=====] - 0s 87ms/step
>5387, dr[0.710,0.480], df[0.652,0.100], g[0.940,0.021]
1/1 [=====] - 0s 87ms/step
>5388, dr[0.733,0.632], df[0.795,0.160], g[1.074,0.036]
1/1 [=====] - 0s 88ms/step
>5389, dr[0.613,0.330], df[0.626,0.038], g[0.968,0.042]
1/1 [=====] - 0s 80ms/step
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>5390, dr[0.628,0.556], df[0.613,0.064], g[1.042,0.055]
1/1 [=====] - 0s 84ms/step
>5391, dr[0.618,0.384], df[0.675,0.063], g[1.042,0.040]
1/1 [=====] - 0s 81ms/step
>5392, dr[0.560,0.469], df[0.498,0.161], g[1.010,0.044]
1/1 [=====] - 0s 95ms/step
>5393, dr[0.630,0.381], df[0.630,0.075], g[0.984,0.024]
1/1 [=====] - 0s 83ms/step
>5394, dr[0.612,0.292], df[0.675,0.039], g[0.938,0.030]
1/1 [=====] - 0s 81ms/step
>5395, dr[0.504,0.370], df[0.569,0.043], g[0.999,0.015]
1/1 [=====] - 0s 99ms/step
>5396, dr[0.613,0.534], df[0.651,0.060], g[0.999,0.022]
1/1 [=====] - 0s 107ms/step
>5397, dr[0.583,0.261], df[0.593,0.039], g[1.004,0.032]
1/1 [=====] - 0s 90ms/step
>5398, dr[0.652,0.639], df[0.568,0.046], g[1.115,0.032]
1/1 [=====] - 0s 79ms/step
>5399, dr[0.716,0.659], df[0.612,0.038], g[0.933,0.026]
1/1 [=====] - 0s 82ms/step
>5400, dr[0.626,0.553], df[0.679,0.042], g[0.984,0.077]
1/1 [=====] - 0s 78ms/step
>5401, dr[0.568,0.508], df[0.611,0.041], g[0.953,0.063]
1/1 [=====] - 0s 81ms/step
>5402, dr[0.670,0.864], df[0.564,0.037], g[0.951,0.047]
1/1 [=====] - 0s 75ms/step
>5403, dr[0.575,0.914], df[0.715,0.063], g[1.021,0.065]
1/1 [=====] - 0s 80ms/step
>5404, dr[0.679,0.298], df[0.680,0.051], g[0.983,0.030]
1/1 [=====] - 0s 81ms/step
>5405, dr[0.617,0.235], df[0.654,0.025], g[0.867,0.059]
1/1 [=====] - 0s 80ms/step
>5406, dr[0.555,0.598], df[0.656,0.012], g[0.929,0.036]
1/1 [=====] - 0s 91ms/step
>5407, dr[0.596,0.383], df[0.629,0.022], g[0.937,0.062]
1/1 [=====] - 0s 77ms/step
>5408, dr[0.650,0.444], df[0.711,0.057], g[0.978,0.041]
1/1 [=====] - 0s 81ms/step
>5409, dr[0.708,0.417], df[0.669,0.042], g[1.037,0.032]
1/1 [=====] - 0s 83ms/step
>5410, dr[0.632,0.554], df[0.601,0.035], g[0.913,0.035]
1/1 [=====] - 0s 82ms/step
>5411, dr[0.770,0.834], df[0.739,0.160], g[0.870,0.059]
1/1 [=====] - 0s 85ms/step
>5412, dr[0.664,0.509], df[0.711,0.048], g[0.926,0.047]
1/1 [=====] - 0s 98ms/step
>5413, dr[0.593,0.271], df[0.607,0.030], g[1.098,0.055]
1/1 [=====] - 0s 97ms/step
>5414, dr[0.619,0.389], df[0.712,0.019], g[0.962,0.044]
1/1 [=====] - 0s 150ms/step
>5415, dr[0.735,0.413], df[0.640,0.016], g[0.943,0.040]
1/1 [=====] - 0s 82ms/step
>5416, dr[0.628,0.424], df[0.687,0.061], g[0.904,0.096]
1/1 [=====] - 0s 77ms/step
>5417, dr[0.571,0.584], df[0.495,0.052], g[0.883,0.038]
1/1 [=====] - 0s 76ms/step
>5418, dr[0.652,0.498], df[0.648,0.052], g[0.877,0.054]
1/1 [=====] - 0s 224ms/step
>5419, dr[0.612,0.915], df[0.746,0.030], g[0.996,0.041]
1/1 [=====] - 0s 85ms/step
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>5420, dr[0.571,0.405], df[0.782,0.021], g[1.004,0.052]
1/1 [=====] - 0s 79ms/step
>5421, dr[0.625,0.315], df[0.608,0.035], g[1.035,0.021]
1/1 [=====] - 0s 85ms/step
>5422, dr[0.651,1.316], df[0.701,0.016], g[0.970,0.037]
1/1 [=====] - 0s 87ms/step
>5423, dr[0.752,0.187], df[0.699,0.042], g[0.983,0.022]
1/1 [=====] - 0s 86ms/step
>5424, dr[0.609,0.483], df[0.706,0.057], g[0.938,0.047]
1/1 [=====] - 0s 89ms/step
>5425, dr[0.608,0.442], df[0.588,0.040], g[0.964,0.063]
1/1 [=====] - 0s 83ms/step
>5426, dr[0.618,0.263], df[0.620,0.038], g[0.983,0.093]
1/1 [=====] - 0s 92ms/step
>5427, dr[0.675,0.640], df[0.623,0.052], g[0.921,0.035]
1/1 [=====] - 0s 92ms/step
>5428, dr[0.768,0.623], df[0.653,0.031], g[1.019,0.043]
1/1 [=====] - 0s 90ms/step
>5429, dr[0.572,0.449], df[0.646,0.046], g[1.030,0.043]
1/1 [=====] - 0s 93ms/step
>5430, dr[0.851,0.658], df[0.662,0.049], g[0.848,0.041]
1/1 [=====] - 0s 77ms/step
>5431, dr[0.525,0.689], df[0.801,0.030], g[0.987,0.045]
1/1 [=====] - 0s 80ms/step
>5432, dr[0.648,0.294], df[0.630,0.025], g[1.072,0.044]
1/1 [=====] - 0s 80ms/step
>5433, dr[0.573,0.206], df[0.706,0.059], g[0.997,0.031]
1/1 [=====] - 0s 101ms/step
>5434, dr[0.696,0.643], df[0.651,0.045], g[0.816,0.033]
1/1 [=====] - 0s 92ms/step
>5435, dr[0.641,0.594], df[0.644,0.041], g[0.914,0.036]
1/1 [=====] - 0s 115ms/step
>5436, dr[0.700,0.771], df[0.596,0.020], g[0.875,0.049]
1/1 [=====] - 0s 92ms/step
>5437, dr[0.661,0.508], df[0.769,0.059], g[0.919,0.028]
1/1 [=====] - 0s 137ms/step
>5438, dr[0.583,0.610], df[0.563,0.030], g[0.862,0.048]
1/1 [=====] - 0s 104ms/step
>5439, dr[0.657,0.457], df[0.597,0.022], g[1.004,0.081]
1/1 [=====] - 0s 109ms/step
>5440, dr[0.572,0.589], df[0.628,0.029], g[1.025,0.048]
1/1 [=====] - 0s 112ms/step
>5441, dr[0.626,0.203], df[0.644,0.024], g[0.941,0.030]
1/1 [=====] - 0s 103ms/step
>5442, dr[0.781,0.810], df[0.748,0.033], g[0.839,0.049]
1/1 [=====] - 0s 102ms/step
>5443, dr[0.646,0.391], df[0.596,0.024], g[1.033,0.031]
1/1 [=====] - 0s 115ms/step
>5444, dr[0.506,0.732], df[0.679,0.040], g[0.951,0.052]
1/1 [=====] - 0s 112ms/step
>5445, dr[0.731,0.715], df[0.681,0.059], g[0.944,0.055]
1/1 [=====] - 0s 103ms/step
>5446, dr[0.709,0.593], df[0.691,0.117], g[0.988,0.063]
1/1 [=====] - 0s 97ms/step
>5447, dr[0.633,0.629], df[0.633,0.056], g[1.001,0.064]
1/1 [=====] - 0s 88ms/step
>5448, dr[0.592,0.449], df[0.598,0.028], g[1.078,0.109]
1/1 [=====] - 0s 90ms/step
>5449, dr[0.687,0.411], df[0.694,0.039], g[1.110,0.019]
1/1 [=====] - 0s 102ms/step
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>5450, dr[0.716,0.416], df[0.679,0.049], g[0.970,0.027]
1/1 [=====] - 0s 83ms/step
>5451, dr[0.789,0.480], df[0.739,0.132], g[0.999,0.036]
1/1 [=====] - 0s 112ms/step
>5452, dr[0.655,0.664], df[0.673,0.046], g[0.872,0.025]
1/1 [=====] - 0s 83ms/step
>5453, dr[0.599,0.606], df[0.588,0.045], g[0.931,0.073]
1/1 [=====] - 0s 82ms/step
>5454, dr[0.517,0.819], df[0.684,0.043], g[0.988,0.053]
1/1 [=====] - 0s 98ms/step
>5455, dr[0.667,0.717], df[0.723,0.131], g[0.997,0.046]
1/1 [=====] - 0s 89ms/step
>5456, dr[0.687,0.284], df[0.564,0.089], g[0.899,0.078]
1/1 [=====] - 0s 83ms/step
>5457, dr[0.653,0.416], df[0.768,0.031], g[0.969,0.063]
1/1 [=====] - 0s 87ms/step
>5458, dr[0.591,0.922], df[0.663,0.012], g[0.908,0.042]
1/1 [=====] - 0s 82ms/step
>5459, dr[0.718,0.791], df[0.673,0.031], g[0.942,0.054]
1/1 [=====] - 0s 88ms/step
>5460, dr[0.585,0.654], df[0.698,0.214], g[1.157,0.031]
1/1 [=====] - 0s 89ms/step
>5461, dr[0.687,0.319], df[0.583,0.030], g[0.990,0.062]
1/1 [=====] - 0s 79ms/step
>5462, dr[0.669,0.429], df[0.736,0.033], g[1.043,0.041]
1/1 [=====] - 0s 81ms/step
>5463, dr[0.546,0.737], df[0.815,0.064], g[0.891,0.058]
1/1 [=====] - 0s 77ms/step
>5464, dr[0.694,0.560], df[0.644,0.030], g[1.087,0.110]
1/1 [=====] - 0s 77ms/step
>5465, dr[0.749,0.633], df[0.558,0.040], g[0.983,0.076]
1/1 [=====] - 0s 84ms/step
>5466, dr[0.581,0.499], df[0.743,0.032], g[1.101,0.093]
1/1 [=====] - 0s 77ms/step
>5467, dr[0.548,0.524], df[0.651,0.031], g[1.105,0.033]
1/1 [=====] - 0s 86ms/step
>5468, dr[0.538,0.240], df[0.531,0.053], g[1.071,0.028]
1/1 [=====] - 0s 79ms/step
>5469, dr[0.811,0.344], df[0.534,0.041], g[0.973,0.020]
1/1 [=====] - 0s 78ms/step
>5470, dr[0.581,0.617], df[0.517,0.037], g[1.014,0.027]
1/1 [=====] - 0s 84ms/step
>5471, dr[0.620,0.195], df[0.651,0.041], g[0.917,0.031]
1/1 [=====] - 0s 76ms/step
>5472, dr[0.661,0.810], df[0.668,0.040], g[0.963,0.056]
1/1 [=====] - 0s 79ms/step
>5473, dr[0.540,0.749], df[0.592,0.032], g[1.018,0.052]
1/1 [=====] - 0s 78ms/step
>5474, dr[0.704,0.353], df[0.706,0.027], g[0.987,0.045]
1/1 [=====] - 0s 78ms/step
>5475, dr[0.666,0.536], df[0.657,0.028], g[0.851,0.040]
1/1 [=====] - 0s 83ms/step
>5476, dr[0.650,0.506], df[0.675,0.078], g[0.941,0.075]
1/1 [=====] - 0s 76ms/step
>5477, dr[0.602,0.228], df[0.652,0.033], g[0.945,0.059]
1/1 [=====] - 0s 76ms/step
>5478, dr[0.565,0.650], df[0.636,0.017], g[1.115,0.023]
1/1 [=====] - 0s 82ms/step
>5479, dr[0.701,0.393], df[0.662,0.046], g[0.964,0.031]
1/1 [=====] - 0s 76ms/step
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>5480, dr[0.543,0.524], df[0.528,0.078], g[1.068,0.027]
1/1 [=====] - 0s 89ms/step
>5481, dr[0.642,0.707], df[0.725,0.029], g[1.135,0.030]
1/1 [=====] - 0s 83ms/step
>5482, dr[0.706,0.624], df[0.487,0.046], g[1.066,0.025]
1/1 [=====] - 0s 77ms/step
>5483, dr[0.630,0.528], df[0.624,0.143], g[1.034,0.025]
1/1 [=====] - 0s 83ms/step
>5484, dr[0.719,0.188], df[0.596,0.060], g[0.912,0.065]
1/1 [=====] - 0s 78ms/step
>5485, dr[0.651,0.847], df[0.771,0.047], g[0.960,0.038]
1/1 [=====] - 0s 85ms/step
>5486, dr[0.592,0.302], df[0.719,0.016], g[0.992,0.061]
1/1 [=====] - 0s 77ms/step
>5487, dr[0.697,0.237], df[0.657,0.104], g[0.989,0.031]
1/1 [=====] - 0s 78ms/step
>5488, dr[0.629,0.459], df[0.567,0.034], g[0.888,0.050]
1/1 [=====] - 0s 84ms/step
>5489, dr[0.632,0.590], df[0.707,0.051], g[0.909,0.029]
1/1 [=====] - 0s 78ms/step
>5490, dr[0.647,0.265], df[0.634,0.114], g[0.906,0.046]
1/1 [=====] - 0s 92ms/step
>5491, dr[0.576,0.482], df[0.727,0.028], g[0.962,0.038]
1/1 [=====] - 0s 85ms/step
>5492, dr[0.553,0.313], df[0.613,0.040], g[0.896,0.059]
1/1 [=====] - 0s 79ms/step
>5493, dr[0.538,0.440], df[0.654,0.064], g[0.988,0.027]
1/1 [=====] - 0s 81ms/step
>5494, dr[0.667,0.410], df[0.594,0.080], g[1.028,0.082]
1/1 [=====] - 0s 76ms/step
>5495, dr[0.610,0.267], df[0.635,0.041], g[0.842,0.028]
1/1 [=====] - 0s 91ms/step
>5496, dr[0.842,0.481], df[0.822,0.034], g[0.942,0.021]
1/1 [=====] - 0s 76ms/step
>5497, dr[0.579,0.340], df[0.606,0.035], g[0.970,0.033]
1/1 [=====] - 0s 86ms/step
>5498, dr[0.690,0.426], df[0.599,0.059], g[0.987,0.078]
1/1 [=====] - 0s 83ms/step
>5499, dr[0.685,0.577], df[0.579,0.018], g[0.895,0.033]
1/1 [=====] - 0s 76ms/step
>5500, dr[0.816,0.231], df[0.689,0.048], g[0.856,0.036]
1/1 [=====] - 0s 78ms/step
>5501, dr[0.615,0.497], df[0.678,0.022], g[1.074,0.030]
1/1 [=====] - 0s 83ms/step
>5502, dr[0.634,0.231], df[0.749,0.042], g[0.954,0.042]
1/1 [=====] - 0s 77ms/step
>5503, dr[0.665,0.589], df[0.626,0.082], g[0.854,0.027]
1/1 [=====] - 0s 83ms/step
>5504, dr[0.550,0.771], df[0.690,0.028], g[0.918,0.043]
1/1 [=====] - 0s 87ms/step
>5505, dr[0.640,0.774], df[0.749,0.098], g[1.055,0.048]
1/1 [=====] - 0s 78ms/step
>5506, dr[0.725,0.750], df[0.622,0.032], g[0.938,0.110]
1/1 [=====] - 0s 84ms/step
>5507, dr[0.639,0.628], df[0.643,0.072], g[0.928,0.036]
1/1 [=====] - 0s 77ms/step
>5508, dr[0.697,0.667], df[0.687,0.063], g[0.957,0.070]
1/1 [=====] - 0s 83ms/step
>5509, dr[0.726,0.515], df[0.648,0.045], g[0.924,0.081]
1/1 [=====] - 0s 75ms/step
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>5510, dr[0.573,0.584], df[0.666,0.078], g[0.970,0.044]
1/1 [=====] - 0s 77ms/step
>5511, dr[0.785,0.585], df[0.676,0.033], g[0.802,0.076]
1/1 [=====] - 0s 88ms/step
>5512, dr[0.575,0.221], df[0.768,0.037], g[1.021,0.033]
1/1 [=====] - 0s 80ms/step
>5513, dr[0.659,0.245], df[0.610,0.031], g[1.034,0.053]
1/1 [=====] - 0s 79ms/step
>5514, dr[0.638,0.575], df[0.593,0.029], g[0.984,0.059]
1/1 [=====] - 0s 81ms/step
>5515, dr[0.664,0.896], df[0.608,0.063], g[0.896,0.041]
1/1 [=====] - 0s 82ms/step
>5516, dr[0.617,1.265], df[0.633,0.021], g[0.899,0.029]
1/1 [=====] - 0s 83ms/step
>5517, dr[0.645,0.417], df[0.692,0.018], g[1.001,0.043]
1/1 [=====] - 0s 76ms/step
>5518, dr[0.647,0.318], df[0.749,0.067], g[0.981,0.064]
1/1 [=====] - 0s 82ms/step
>5519, dr[0.655,0.357], df[0.582,0.031], g[0.964,0.029]
1/1 [=====] - 0s 79ms/step
>5520, dr[0.735,0.359], df[0.622,0.054], g[1.013,0.024]
1/1 [=====] - 0s 78ms/step
>5521, dr[0.517,0.467], df[0.715,0.058], g[0.905,0.032]
1/1 [=====] - 0s 83ms/step
>5522, dr[0.587,0.786], df[0.747,0.066], g[0.965,0.055]
1/1 [=====] - 0s 81ms/step
>5523, dr[0.635,0.305], df[0.719,0.023], g[0.857,0.053]
1/1 [=====] - 0s 77ms/step
>5524, dr[0.793,0.562], df[0.662,0.104], g[0.948,0.101]
1/1 [=====] - 0s 83ms/step
>5525, dr[0.635,0.485], df[0.678,0.115], g[0.925,0.032]
1/1 [=====] - 0s 83ms/step
>5526, dr[0.665,0.338], df[0.614,0.043], g[0.840,0.056]
1/1 [=====] - 0s 83ms/step
>5527, dr[0.631,0.625], df[0.579,0.037], g[0.958,0.072]
1/1 [=====] - 0s 79ms/step
>5528, dr[0.699,0.496], df[0.675,0.063], g[0.913,0.039]
1/1 [=====] - 0s 76ms/step
>5529, dr[0.654,0.400], df[0.780,0.087], g[0.893,0.025]
1/1 [=====] - 0s 82ms/step
>5530, dr[0.655,0.520], df[0.771,0.056], g[0.935,0.029]
1/1 [=====] - 0s 82ms/step
>5531, dr[0.629,0.341], df[0.591,0.048], g[1.134,0.053]
1/1 [=====] - 0s 78ms/step
>5532, dr[0.608,0.494], df[0.840,0.046], g[0.911,0.046]
1/1 [=====] - 0s 84ms/step
>5533, dr[0.796,0.686], df[0.590,0.034], g[0.932,0.065]
1/1 [=====] - 0s 82ms/step
>5534, dr[0.591,0.355], df[0.798,0.024], g[0.997,0.058]
1/1 [=====] - 0s 84ms/step
>5535, dr[0.635,0.651], df[0.672,0.037], g[1.020,0.049]
1/1 [=====] - 0s 83ms/step
>5536, dr[0.780,0.788], df[0.598,0.023], g[0.978,0.047]
1/1 [=====] - 0s 79ms/step
>5537, dr[0.689,0.579], df[0.610,0.024], g[0.937,0.045]
1/1 [=====] - 0s 85ms/step
>5538, dr[0.615,0.751], df[0.799,0.052], g[0.913,0.019]
1/1 [=====] - 0s 78ms/step
>5539, dr[0.564,0.505], df[0.621,0.029], g[0.962,0.053]
1/1 [=====] - 0s 89ms/step
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>5540, dr[0.566,0.482], df[0.723,0.030], g[1.045,0.021]
1/1 [=====] - 0s 87ms/step
>5541, dr[0.707,0.591], df[0.752,0.013], g[1.046,0.047]
1/1 [=====] - 0s 86ms/step
>5542, dr[0.769,0.871], df[0.536,0.059], g[0.946,0.045]
1/1 [=====] - 0s 92ms/step
>5543, dr[0.646,0.671], df[0.562,0.029], g[0.832,0.025]
1/1 [=====] - 0s 86ms/step
>5544, dr[0.537,0.592], df[0.712,0.046], g[0.870,0.058]
1/1 [=====] - 0s 84ms/step
>5545, dr[0.695,0.305], df[0.793,0.024], g[0.914,0.036]
1/1 [=====] - 0s 90ms/step
>5546, dr[0.711,0.332], df[0.673,0.111], g[0.935,0.016]
1/1 [=====] - 0s 81ms/step
>5547, dr[0.539,0.446], df[0.696,0.053], g[1.047,0.042]
1/1 [=====] - 0s 85ms/step
>5548, dr[0.619,0.846], df[0.695,0.025], g[0.915,0.077]
1/1 [=====] - 0s 91ms/step
>5549, dr[0.646,0.437], df[0.885,0.025], g[1.062,0.023]
1/1 [=====] - 0s 81ms/step
>5550, dr[0.749,0.351], df[0.631,0.040], g[0.937,0.028]
1/1 [=====] - 0s 83ms/step
>5551, dr[0.537,0.245], df[0.673,0.030], g[0.976,0.032]
1/1 [=====] - 0s 88ms/step
>5552, dr[0.721,0.733], df[0.649,0.020], g[1.061,0.076]
1/1 [=====] - 0s 90ms/step
>5553, dr[0.748,0.600], df[0.624,0.144], g[0.951,0.033]
1/1 [=====] - 0s 81ms/step
>5554, dr[0.657,0.424], df[0.581,0.031], g[1.073,0.035]
1/1 [=====] - 0s 81ms/step
>5555, dr[0.619,0.307], df[0.693,0.084], g[0.971,0.017]
1/1 [=====] - 0s 95ms/step
>5556, dr[0.644,0.277], df[0.670,0.021], g[0.938,0.052]
1/1 [=====] - 0s 87ms/step
>5557, dr[0.614,0.624], df[0.731,0.051], g[1.096,0.038]
1/1 [=====] - 0s 89ms/step
>5558, dr[0.667,1.075], df[0.641,0.018], g[1.037,0.047]
1/1 [=====] - 0s 82ms/step
>5559, dr[0.734,0.248], df[0.602,0.081], g[1.025,0.024]
1/1 [=====] - 0s 89ms/step
>5560, dr[0.768,0.449], df[0.656,0.102], g[0.952,0.034]
1/1 [=====] - 0s 93ms/step
>5561, dr[0.709,0.529], df[0.744,0.028], g[0.927,0.034]
1/1 [=====] - 0s 81ms/step
>5562, dr[0.633,0.673], df[0.674,0.024], g[0.820,0.064]
1/1 [=====] - 0s 90ms/step
>5563, dr[0.659,0.452], df[0.629,0.022], g[1.005,0.045]
1/1 [=====] - 0s 95ms/step
>5564, dr[0.621,0.369], df[0.652,0.030], g[0.906,0.042]
1/1 [=====] - 0s 93ms/step
>5565, dr[0.723,0.661], df[0.672,0.035], g[0.974,0.038]
1/1 [=====] - 0s 99ms/step
>5566, dr[0.570,0.534], df[0.656,0.027], g[1.039,0.035]
1/1 [=====] - 0s 84ms/step
>5567, dr[0.730,0.604], df[0.548,0.056], g[0.856,0.049]
1/1 [=====] - 0s 82ms/step
>5568, dr[0.605,0.590], df[0.747,0.049], g[0.929,0.082]
1/1 [=====] - 0s 90ms/step
>5569, dr[0.515,0.285], df[0.632,0.030], g[1.015,0.049]
1/1 [=====] - 0s 79ms/step
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>5570, dr[0.576,0.232], df[0.598,0.048], g[1.018,0.092]
1/1 [=====] - 0s 79ms/step
>5571, dr[0.666,0.588], df[0.675,0.059], g[0.949,0.029]
1/1 [=====] - 0s 80ms/step
>5572, dr[0.628,0.658], df[0.639,0.016], g[0.904,0.039]
1/1 [=====] - 0s 82ms/step
>5573, dr[0.705,0.479], df[0.668,0.062], g[0.908,0.044]
1/1 [=====] - 0s 81ms/step
>5574, dr[0.786,0.617], df[0.702,0.114], g[0.840,0.050]
1/1 [=====] - 0s 77ms/step
>5575, dr[0.461,0.462], df[0.583,0.023], g[0.903,0.017]
1/1 [=====] - 0s 77ms/step
>5576, dr[0.707,0.462], df[0.714,0.023], g[1.026,0.035]
1/1 [=====] - 0s 84ms/step
>5577, dr[0.601,0.822], df[0.689,0.052], g[0.896,0.043]
1/1 [=====] - 0s 79ms/step
>5578, dr[0.614,0.372], df[0.648,0.027], g[0.923,0.044]
1/1 [=====] - 0s 82ms/step
>5579, dr[0.772,0.413], df[0.638,0.016], g[0.972,0.042]
1/1 [=====] - 0s 79ms/step
>5580, dr[0.638,0.636], df[0.638,0.040], g[0.932,0.044]
1/1 [=====] - 0s 77ms/step
>5581, dr[0.664,0.534], df[0.887,0.117], g[1.013,0.028]
1/1 [=====] - 0s 80ms/step
>5582, dr[0.585,0.364], df[0.555,0.038], g[0.974,0.038]
1/1 [=====] - 0s 78ms/step
>5583, dr[0.714,0.446], df[0.666,0.058], g[0.991,0.047]
1/1 [=====] - 0s 79ms/step
>5584, dr[0.559,0.375], df[0.651,0.054], g[0.875,0.062]
1/1 [=====] - 0s 78ms/step
>5585, dr[0.703,0.425], df[0.717,0.035], g[0.924,0.084]
1/1 [=====] - 0s 77ms/step
>5586, dr[0.662,0.426], df[0.563,0.027], g[0.929,0.070]
1/1 [=====] - 0s 108ms/step
>5587, dr[0.656,0.634], df[0.658,0.022], g[0.915,0.031]
1/1 [=====] - 0s 97ms/step
>5588, dr[0.689,0.457], df[0.700,0.024], g[0.946,0.070]
1/1 [=====] - 0s 98ms/step
>5589, dr[0.618,0.706], df[0.790,0.049], g[0.950,0.050]
1/1 [=====] - 0s 104ms/step
>5590, dr[0.665,0.621], df[0.779,0.031], g[0.988,0.027]
1/1 [=====] - 0s 105ms/step
>5591, dr[0.593,0.377], df[0.666,0.033], g[1.006,0.034]
1/1 [=====] - 0s 93ms/step
>5592, dr[0.625,0.485], df[0.773,0.070], g[1.035,0.047]
1/1 [=====] - 0s 96ms/step
>5593, dr[0.654,0.647], df[0.436,0.016], g[1.190,0.045]
1/1 [=====] - 0s 103ms/step
>5594, dr[0.706,0.391], df[0.710,0.035], g[1.009,0.080]
1/1 [=====] - 0s 99ms/step
>5595, dr[0.638,0.322], df[0.679,0.016], g[1.036,0.056]
1/1 [=====] - 0s 86ms/step
>5596, dr[0.635,0.405], df[0.601,0.043], g[0.938,0.042]
1/1 [=====] - 0s 82ms/step
>5597, dr[0.642,0.244], df[0.713,0.068], g[0.885,0.070]
1/1 [=====] - 0s 76ms/step
>5598, dr[0.645,0.622], df[0.660,0.021], g[0.908,0.025]
1/1 [=====] - 0s 81ms/step
>5599, dr[0.589,0.299], df[0.613,0.019], g[0.905,0.024]
1/1 [=====] - 0s 87ms/step
```

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>5600, dr[0.653,0.766], df[0.633,0.037], g[0.911,0.059]
1/1 [=====] - 0s 84ms/step
>5601, dr[0.651,0.422], df[0.906,0.070], g[0.932,0.050]
1/1 [=====] - 0s 77ms/step
>5602, dr[0.729,0.992], df[0.804,0.023], g[1.056,0.064]
1/1 [=====] - 0s 78ms/step
>5603, dr[0.618,0.441], df[0.566,0.059], g[1.005,0.067]
1/1 [=====] - 0s 77ms/step
>5604, dr[0.621,0.376], df[0.588,0.053], g[0.881,0.045]
1/1 [=====] - 0s 83ms/step
>5605, dr[0.715,0.364], df[0.711,0.017], g[0.888,0.032]
1/1 [=====] - 0s 77ms/step
>5606, dr[0.714,0.400], df[0.586,0.054], g[0.958,0.025]
1/1 [=====] - 0s 86ms/step
>5607, dr[0.606,0.313], df[0.708,0.025], g[0.898,0.062]
1/1 [=====] - 0s 82ms/step
>5608, dr[0.726,0.297], df[0.587,0.136], g[0.914,0.020]
1/1 [=====] - 0s 79ms/step
>5609, dr[0.661,0.529], df[0.734,0.038], g[0.887,0.058]
1/1 [=====] - 0s 84ms/step
>5610, dr[0.664,0.347], df[0.741,0.033], g[1.023,0.062]
1/1 [=====] - 0s 78ms/step
>5611, dr[0.638,0.635], df[0.677,0.076], g[0.963,0.044]
1/1 [=====] - 0s 79ms/step
>5612, dr[0.562,0.555], df[0.702,0.023], g[1.055,0.036]
1/1 [=====] - 0s 83ms/step
>5613, dr[0.807,0.139], df[0.605,0.037], g[0.942,0.059]
1/1 [=====] - 0s 78ms/step
>5614, dr[0.713,0.672], df[0.860,0.211], g[1.004,0.024]
1/1 [=====] - 0s 82ms/step
>5615, dr[0.548,0.516], df[0.615,0.043], g[0.913,0.047]
1/1 [=====] - 0s 80ms/step
>5616, dr[0.647,0.297], df[0.639,0.041], g[0.995,0.023]
1/1 [=====] - 0s 76ms/step
>5617, dr[0.844,0.661], df[0.713,0.019], g[1.005,0.048]
1/1 [=====] - 0s 86ms/step
>5618, dr[0.579,0.391], df[0.767,0.072], g[0.845,0.103]
1/1 [=====] - 0s 81ms/step
>5619, dr[0.606,0.369], df[0.667,0.027], g[0.853,0.026]
1/1 [=====] - 0s 79ms/step
>5620, dr[0.741,0.546], df[0.717,0.030], g[0.985,0.048]
1/1 [=====] - 0s 78ms/step
>5621, dr[0.680,0.673], df[0.626,0.014], g[1.012,0.032]
1/1 [=====] - 0s 79ms/step
>5622, dr[0.724,0.686], df[0.686,0.011], g[0.969,0.047]
4/4 [=====] - 0s 52ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_5622.png and model_5622.h5
1/1 [=====] - 0s 85ms/step
>5623, dr[0.668,0.443], df[0.605,0.039], g[0.971,0.053]
1/1 [=====] - 0s 78ms/step
>5624, dr[0.705,0.892], df[0.746,0.044], g[0.951,0.064]
1/1 [=====] - 0s 90ms/step
>5625, dr[0.637,0.508], df[0.728,0.037], g[0.928,0.055]
1/1 [=====] - 0s 92ms/step
>5626, dr[0.637,0.267], df[0.679,0.039], g[0.993,0.021]
1/1 [=====] - 0s 107ms/step
>5627, dr[0.623,0.569], df[0.666,0.026], g[0.989,0.021]
1/1 [=====] - 0s 80ms/step
```

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>5628, dr[0.712,0.466], df[0.643,0.052], g[1.020,0.030]
1/1 [=====] - 0s 88ms/step
>5629, dr[0.594,0.283], df[0.645,0.040], g[0.966,0.045]
1/1 [=====] - 0s 90ms/step
>5630, dr[0.738,0.643], df[0.617,0.023], g[1.090,0.043]
1/1 [=====] - 0s 95ms/step
>5631, dr[0.707,0.846], df[0.655,0.048], g[0.879,0.114]
1/1 [=====] - 0s 78ms/step
>5632, dr[0.611,0.345], df[0.712,0.037], g[0.911,0.067]
1/1 [=====] - 0s 83ms/step
>5633, dr[0.594,1.044], df[0.658,0.018], g[1.002,0.033]
1/1 [=====] - 0s 93ms/step
>5634, dr[0.589,0.647], df[0.769,0.114], g[0.975,0.059]
1/1 [=====] - 0s 86ms/step
>5635, dr[0.771,0.296], df[0.695,0.086], g[1.072,0.038]
1/1 [=====] - 0s 82ms/step
>5636, dr[0.746,1.199], df[0.685,0.074], g[0.965,0.042]
1/1 [=====] - 0s 86ms/step
>5637, dr[0.642,0.652], df[0.725,0.086], g[0.974,0.045]
1/1 [=====] - 0s 99ms/step
>5638, dr[0.636,0.377], df[0.684,0.018], g[0.998,0.092]
1/1 [=====] - 0s 86ms/step
>5639, dr[0.771,0.619], df[0.547,0.126], g[0.984,0.044]
1/1 [=====] - 0s 87ms/step
>5640, dr[0.531,0.383], df[0.655,0.065], g[0.926,0.034]
1/1 [=====] - 0s 85ms/step
>5641, dr[0.663,0.439], df[0.670,0.048], g[0.967,0.023]
1/1 [=====] - 0s 81ms/step
>5642, dr[0.698,0.477], df[0.689,0.052], g[0.991,0.031]
1/1 [=====] - 0s 79ms/step
>5643, dr[0.592,0.570], df[0.806,0.068], g[1.001,0.032]
1/1 [=====] - 0s 76ms/step
>5644, dr[0.756,0.500], df[0.685,0.014], g[0.970,0.041]
1/1 [=====] - 0s 80ms/step
>5645, dr[0.670,0.885], df[0.653,0.008], g[0.930,0.027]
1/1 [=====] - 0s 91ms/step
>5646, dr[0.593,0.982], df[0.690,0.026], g[0.878,0.031]
1/1 [=====] - 0s 78ms/step
>5647, dr[0.636,0.484], df[0.654,0.045], g[0.996,0.040]
1/1 [=====] - 0s 78ms/step
>5648, dr[0.667,0.450], df[0.672,0.034], g[0.917,0.031]
1/1 [=====] - 0s 81ms/step
>5649, dr[0.606,0.496], df[0.608,0.072], g[1.061,0.040]
1/1 [=====] - 0s 76ms/step
>5650, dr[0.655,0.494], df[0.553,0.047], g[1.010,0.034]
1/1 [=====] - 0s 84ms/step
>5651, dr[0.704,0.353], df[0.625,0.019], g[1.009,0.044]
1/1 [=====] - 0s 78ms/step
>5652, dr[0.623,0.248], df[0.726,0.021], g[1.005,0.046]
1/1 [=====] - 0s 82ms/step
>5653, dr[0.868,0.610], df[0.615,0.047], g[0.894,0.064]
1/1 [=====] - 0s 83ms/step
>5654, dr[0.656,0.900], df[0.703,0.057], g[0.898,0.058]
1/1 [=====] - 0s 82ms/step
>5655, dr[0.662,1.056], df[0.613,0.066], g[1.011,0.081]
1/1 [=====] - 0s 79ms/step
>5656, dr[0.680,0.734], df[0.655,0.022], g[0.903,0.043]
1/1 [=====] - 0s 80ms/step
>5657, dr[0.659,0.579], df[0.790,0.033], g[0.902,0.095]
1/1 [=====] - 0s 86ms/step
```

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>5658, dr[0.570,0.432], df[0.693,0.030], g[0.925,0.059]
1/1 [=====] - 0s 93ms/step
>5659, dr[0.727,0.252], df[0.691,0.085], g[0.874,0.023]
1/1 [=====] - 0s 78ms/step
>5660, dr[0.684,0.537], df[0.611,0.044], g[0.853,0.061]
1/1 [=====] - 0s 80ms/step
>5661, dr[0.646,0.676], df[0.680,0.033], g[0.860,0.034]
1/1 [=====] - 0s 77ms/step
>5662, dr[0.687,0.241], df[0.745,0.022], g[0.847,0.069]
1/1 [=====] - 0s 81ms/step
>5663, dr[0.564,0.547], df[0.752,0.043], g[0.931,0.036]
1/1 [=====] - 0s 89ms/step
>5664, dr[0.672,0.282], df[0.668,0.029], g[0.903,0.061]
1/1 [=====] - 0s 77ms/step
>5665, dr[0.589,0.899], df[0.601,0.018], g[0.945,0.041]
1/1 [=====] - 0s 78ms/step
>5666, dr[0.650,0.329], df[0.747,0.031], g[1.007,0.066]
1/1 [=====] - 0s 77ms/step
>5667, dr[0.566,0.700], df[0.631,0.047], g[0.958,0.087]
1/1 [=====] - 0s 79ms/step
>5668, dr[0.794,0.590], df[0.734,0.071], g[0.989,0.031]
1/1 [=====] - 0s 86ms/step
>5669, dr[0.583,0.464], df[0.634,0.036], g[0.943,0.046]
1/1 [=====] - 0s 81ms/step
>5670, dr[0.608,0.481], df[0.684,0.020], g[1.032,0.042]
1/1 [=====] - 0s 79ms/step
>5671, dr[0.668,0.596], df[0.630,0.040], g[0.997,0.021]
1/1 [=====] - 0s 85ms/step
>5672, dr[0.663,0.255], df[0.596,0.060], g[1.040,0.054]
1/1 [=====] - 0s 82ms/step
>5673, dr[0.672,0.589], df[0.717,0.045], g[0.902,0.101]
1/1 [=====] - 0s 80ms/step
>5674, dr[0.678,0.412], df[0.681,0.054], g[0.947,0.111]
1/1 [=====] - 0s 90ms/step
>5675, dr[0.532,0.564], df[0.702,0.049], g[1.072,0.060]
1/1 [=====] - 0s 82ms/step
>5676, dr[0.676,0.414], df[0.577,0.010], g[0.984,0.035]
1/1 [=====] - 0s 86ms/step
>5677, dr[0.742,0.876], df[0.688,0.029], g[1.115,0.032]
1/1 [=====] - 0s 84ms/step
>5678, dr[0.567,0.430], df[0.733,0.049], g[1.021,0.023]
1/1 [=====] - 0s 81ms/step
>5679, dr[0.725,0.731], df[0.726,0.055], g[0.993,0.024]
1/1 [=====] - 0s 85ms/step
>5680, dr[0.745,0.633], df[0.573,0.016], g[1.011,0.059]
1/1 [=====] - 0s 76ms/step
>5681, dr[0.758,0.564], df[0.839,0.072], g[1.034,0.098]
1/1 [=====] - 0s 80ms/step
>5682, dr[0.691,0.562], df[0.674,0.044], g[0.819,0.106]
1/1 [=====] - 0s 78ms/step
>5683, dr[0.662,0.343], df[0.745,0.033], g[1.046,0.045]
1/1 [=====] - 0s 78ms/step
>5684, dr[0.714,0.455], df[0.579,0.028], g[0.979,0.059]
1/1 [=====] - 0s 83ms/step
>5685, dr[0.677,0.601], df[0.616,0.060], g[0.931,0.030]
1/1 [=====] - 0s 78ms/step
>5686, dr[0.745,0.127], df[0.767,0.030], g[0.927,0.029]
1/1 [=====] - 0s 79ms/step
>5687, dr[0.475,0.572], df[0.692,0.032], g[1.009,0.037]
1/1 [=====] - 0s 79ms/step
```

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>5688, dr[0.626,0.325], df[0.645,0.021], g[0.914,0.059]
1/1 [=====] - 0s 76ms/step
>5689, dr[0.699,0.597], df[0.692,0.051], g[0.941,0.027]
1/1 [=====] - 0s 82ms/step
>5690, dr[0.693,0.775], df[0.561,0.031], g[1.048,0.036]
1/1 [=====] - 0s 92ms/step
>5691, dr[0.641,0.295], df[0.739,0.025], g[0.944,0.035]
1/1 [=====] - 0s 93ms/step
>5692, dr[0.652,0.457], df[0.688,0.035], g[0.964,0.036]
1/1 [=====] - 0s 98ms/step
>5693, dr[0.672,0.303], df[0.621,0.034], g[0.930,0.043]
1/1 [=====] - 0s 85ms/step
>5694, dr[0.698,0.516], df[0.739,0.030], g[0.945,0.094]
1/1 [=====] - 0s 77ms/step
>5695, dr[0.645,0.357], df[0.664,0.028], g[0.940,0.037]
1/1 [=====] - 0s 86ms/step
>5696, dr[0.706,0.310], df[0.734,0.021], g[0.926,0.045]
1/1 [=====] - 0s 85ms/step
>5697, dr[0.687,0.318], df[0.657,0.019], g[0.925,0.033]
1/1 [=====] - 0s 78ms/step
>5698, dr[0.724,0.339], df[0.717,0.054], g[0.965,0.084]
1/1 [=====] - 0s 79ms/step
>5699, dr[0.735,0.428], df[0.696,0.029], g[0.928,0.027]
1/1 [=====] - 0s 80ms/step
>5700, dr[0.699,0.513], df[0.659,0.019], g[0.817,0.063]
1/1 [=====] - 0s 89ms/step
>5701, dr[0.680,0.459], df[0.680,0.024], g[0.952,0.039]
1/1 [=====] - 0s 78ms/step
>5702, dr[0.647,0.392], df[0.713,0.026], g[0.889,0.031]
1/1 [=====] - 0s 78ms/step
>5703, dr[0.629,0.468], df[0.707,0.043], g[0.951,0.032]
1/1 [=====] - 0s 87ms/step
>5704, dr[0.722,0.421], df[0.620,0.048], g[0.778,0.033]
1/1 [=====] - 0s 77ms/step
>5705, dr[0.691,0.438], df[0.774,0.031], g[0.958,0.026]
1/1 [=====] - 0s 83ms/step
>5706, dr[0.837,0.434], df[0.614,0.051], g[1.010,0.054]
1/1 [=====] - 0s 76ms/step
>5707, dr[0.636,0.484], df[0.781,0.118], g[0.892,0.053]
1/1 [=====] - 0s 82ms/step
>5708, dr[0.613,0.555], df[0.622,0.030], g[0.947,0.029]
1/1 [=====] - 0s 84ms/step
>5709, dr[0.792,0.573], df[0.781,0.053], g[0.912,0.107]
1/1 [=====] - 0s 79ms/step
>5710, dr[0.563,0.504], df[0.728,0.059], g[0.903,0.036]
1/1 [=====] - 0s 89ms/step
>5711, dr[0.631,0.386], df[0.565,0.097], g[1.020,0.056]
1/1 [=====] - 0s 77ms/step
>5712, dr[0.614,0.692], df[0.641,0.015], g[0.950,0.043]
1/1 [=====] - 0s 77ms/step
>5713, dr[0.561,0.683], df[0.642,0.069], g[0.993,0.027]
1/1 [=====] - 0s 84ms/step
>5714, dr[0.691,0.593], df[0.612,0.050], g[0.992,0.018]
1/1 [=====] - 0s 80ms/step
>5715, dr[0.707,0.596], df[0.604,0.013], g[0.951,0.047]
1/1 [=====] - 0s 77ms/step
>5716, dr[0.703,0.509], df[0.619,0.178], g[1.008,0.030]
1/1 [=====] - 0s 79ms/step
>5717, dr[0.531,0.689], df[0.623,0.055], g[0.821,0.051]
1/1 [=====] - 0s 84ms/step
```

```
>5718, dr[0.596,0.745], df[0.638,0.060], g[0.845,0.041]
1/1 [=====] - 0s 85ms/step
>5719, dr[0.750,0.338], df[0.673,0.032], g[0.814,0.060]
1/1 [=====] - 0s 78ms/step
>5720, dr[0.584,0.240], df[0.734,0.025], g[1.021,0.065]
1/1 [=====] - 0s 78ms/step
>5721, dr[0.577,0.324], df[0.646,0.045], g[0.915,0.050]
1/1 [=====] - 0s 79ms/step
>5722, dr[0.639,0.244], df[0.661,0.065], g[0.814,0.040]
1/1 [=====] - 0s 77ms/step
>5723, dr[0.574,0.258], df[0.628,0.048], g[0.932,0.062]
1/1 [=====] - 0s 80ms/step
>5724, dr[0.549,0.384], df[0.607,0.038], g[0.902,0.099]
1/1 [=====] - 0s 77ms/step
>5725, dr[0.683,0.291], df[0.583,0.133], g[0.872,0.047]
1/1 [=====] - 0s 77ms/step
>5726, dr[0.600,0.450], df[0.630,0.028], g[0.853,0.054]
1/1 [=====] - 0s 81ms/step
>5727, dr[0.620,0.406], df[0.790,0.019], g[1.044,0.051]
1/1 [=====] - 0s 78ms/step
>5728, dr[0.621,0.283], df[0.755,0.049], g[0.933,0.050]
1/1 [=====] - 0s 79ms/step
>5729, dr[0.690,0.431], df[0.673,0.051], g[1.008,0.026]
1/1 [=====] - 0s 82ms/step
>5730, dr[0.642,0.413], df[0.635,0.038], g[0.963,0.066]
1/1 [=====] - 0s 78ms/step
>5731, dr[0.684,0.586], df[0.723,0.027], g[0.971,0.075]
1/1 [=====] - 0s 85ms/step
>5732, dr[0.665,0.260], df[0.542,0.033], g[0.941,0.038]
1/1 [=====] - 0s 79ms/step
>5733, dr[0.718,0.398], df[0.699,0.079], g[0.976,0.076]
1/1 [=====] - 0s 83ms/step
>5734, dr[0.724,0.403], df[0.784,0.043], g[0.953,0.051]
1/1 [=====] - 0s 81ms/step
>5735, dr[0.738,0.388], df[0.609,0.043], g[0.913,0.035]
1/1 [=====] - 0s 83ms/step
>5736, dr[0.563,0.503], df[0.729,0.034], g[0.891,0.058]
1/1 [=====] - 0s 83ms/step
>5737, dr[0.766,0.584], df[0.578,0.057], g[0.891,0.064]
1/1 [=====] - 0s 77ms/step
>5738, dr[0.528,0.298], df[0.780,0.016], g[0.966,0.031]
1/1 [=====] - 0s 77ms/step
>5739, dr[0.632,0.623], df[0.659,0.041], g[0.916,0.034]
1/1 [=====] - 0s 86ms/step
>5740, dr[0.550,0.582], df[0.561,0.018], g[0.978,0.042]
1/1 [=====] - 0s 82ms/step
>5741, dr[0.634,0.601], df[0.659,0.066], g[0.941,0.050]
1/1 [=====] - 0s 81ms/step
>5742, dr[0.603,0.491], df[0.825,0.050], g[1.072,0.041]
1/1 [=====] - 0s 77ms/step
>5743, dr[0.566,0.252], df[0.670,0.036], g[1.040,0.028]
1/1 [=====] - 0s 88ms/step
>5744, dr[0.870,0.543], df[0.554,0.036], g[0.992,0.050]
1/1 [=====] - 0s 86ms/step
>5745, dr[0.898,0.824], df[0.680,0.063], g[0.932,0.066]
1/1 [=====] - 0s 79ms/step
>5746, dr[0.721,0.931], df[0.711,0.015], g[0.937,0.037]
1/1 [=====] - 0s 76ms/step
>5747, dr[0.575,0.524], df[0.755,0.056], g[0.901,0.059]
1/1 [=====] - 0s 79ms/step
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>5748, dr[0.589,0.578], df[0.564,0.025], g[1.082,0.024]
1/1 [=====] - 0s 77ms/step
>5749, dr[0.730,0.411], df[0.603,0.025], g[0.874,0.029]
1/1 [=====] - 0s 89ms/step
>5750, dr[0.585,0.279], df[0.633,0.041], g[0.861,0.093]
1/1 [=====] - 0s 79ms/step
>5751, dr[0.686,0.605], df[0.710,0.045], g[1.000,0.037]
1/1 [=====] - 0s 80ms/step
>5752, dr[0.690,0.213], df[0.692,0.049], g[0.885,0.058]
1/1 [=====] - 0s 84ms/step
>5753, dr[0.706,0.679], df[0.680,0.019], g[0.903,0.060]
1/1 [=====] - 0s 81ms/step
>5754, dr[0.657,0.572], df[0.784,0.071], g[1.021,0.040]
1/1 [=====] - 0s 81ms/step
>5755, dr[0.771,0.655], df[0.724,0.032], g[0.900,0.042]
1/1 [=====] - 0s 77ms/step
>5756, dr[0.687,0.503], df[0.773,0.022], g[0.966,0.047]
1/1 [=====] - 0s 78ms/step
>5757, dr[0.694,0.601], df[0.631,0.041], g[0.914,0.026]
1/1 [=====] - 0s 90ms/step
>5758, dr[0.658,0.508], df[0.612,0.075], g[0.856,0.053]
1/1 [=====] - 0s 78ms/step
>5759, dr[0.572,0.707], df[0.642,0.029], g[0.804,0.042]
1/1 [=====] - 0s 78ms/step
>5760, dr[0.661,0.402], df[0.643,0.015], g[0.935,0.097]
1/1 [=====] - 0s 79ms/step
>5761, dr[0.755,0.917], df[0.665,0.025], g[0.904,0.060]
1/1 [=====] - 0s 79ms/step
>5762, dr[0.691,0.730], df[0.656,0.033], g[0.997,0.072]
1/1 [=====] - 0s 87ms/step
>5763, dr[0.541,0.323], df[0.723,0.032], g[0.897,0.049]
1/1 [=====] - 0s 77ms/step
>5764, dr[0.611,0.481], df[0.705,0.020], g[0.935,0.119]
1/1 [=====] - 0s 84ms/step
>5765, dr[0.627,0.609], df[0.767,0.031], g[0.945,0.029]
1/1 [=====] - 0s 83ms/step
>5766, dr[0.722,0.304], df[0.559,0.027], g[1.052,0.059]
1/1 [=====] - 0s 77ms/step
>5767, dr[0.613,0.385], df[0.630,0.022], g[1.059,0.036]
1/1 [=====] - 0s 83ms/step
>5768, dr[0.649,0.392], df[0.514,0.066], g[0.907,0.033]
1/1 [=====] - 0s 80ms/step
>5769, dr[0.527,0.261], df[0.680,0.127], g[1.000,0.043]
1/1 [=====] - 0s 77ms/step
>5770, dr[0.725,0.498], df[0.701,0.051], g[0.961,0.043]
1/1 [=====] - 0s 83ms/step
>5771, dr[0.613,0.832], df[0.639,0.067], g[0.952,0.047]
1/1 [=====] - 0s 84ms/step
>5772, dr[0.709,0.357], df[0.820,0.080], g[0.884,0.074]
1/1 [=====] - 0s 78ms/step
>5773, dr[0.598,0.447], df[0.641,0.037], g[1.006,0.023]
1/1 [=====] - 0s 82ms/step
>5774, dr[0.626,0.327], df[0.674,0.021], g[0.979,0.085]
1/1 [=====] - 0s 76ms/step
>5775, dr[0.712,0.279], df[0.788,0.068], g[0.932,0.064]
1/1 [=====] - 0s 95ms/step
>5776, dr[0.669,0.713], df[0.742,0.030], g[0.828,0.039]
1/1 [=====] - 0s 79ms/step
>5777, dr[0.598,0.428], df[0.696,0.026], g[0.922,0.041]
1/1 [=====] - 0s 78ms/step
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>5778, dr[0.582,0.397], df[0.555,0.039], g[0.940,0.026]
1/1 [=====] - 0s 87ms/step
>5779, dr[0.685,0.485], df[0.659,0.030], g[0.933,0.031]
1/1 [=====] - 0s 78ms/step
>5780, dr[0.615,0.914], df[0.610,0.043], g[1.015,0.044]
1/1 [=====] - 0s 83ms/step
>5781, dr[0.736,0.462], df[0.611,0.045], g[0.888,0.053]
1/1 [=====] - 0s 78ms/step
>5782, dr[0.715,0.464], df[0.537,0.040], g[0.876,0.045]
1/1 [=====] - 0s 77ms/step
>5783, dr[0.677,0.152], df[0.729,0.042], g[0.813,0.038]
1/1 [=====] - 0s 84ms/step
>5784, dr[0.620,0.367], df[0.707,0.017], g[0.768,0.059]
1/1 [=====] - 0s 85ms/step
>5785, dr[0.636,0.314], df[0.698,0.012], g[0.825,0.077]
1/1 [=====] - 0s 85ms/step
>5786, dr[0.604,0.417], df[0.766,0.071], g[0.937,0.031]
1/1 [=====] - 0s 80ms/step
>5787, dr[0.627,0.699], df[0.714,0.042], g[0.955,0.020]
1/1 [=====] - 0s 79ms/step
>5788, dr[0.631,0.369], df[0.700,0.062], g[0.971,0.046]
1/1 [=====] - 0s 84ms/step
>5789, dr[0.624,0.281], df[0.721,0.033], g[1.008,0.021]
1/1 [=====] - 0s 79ms/step
>5790, dr[0.668,0.635], df[0.576,0.015], g[0.946,0.045]
1/1 [=====] - 0s 81ms/step
>5791, dr[0.812,0.450], df[0.651,0.038], g[0.935,0.050]
1/1 [=====] - 0s 81ms/step
>5792, dr[0.625,0.463], df[0.710,0.142], g[0.955,0.070]
1/1 [=====] - 0s 89ms/step
>5793, dr[0.752,0.410], df[0.619,0.038], g[0.931,0.049]
1/1 [=====] - 0s 92ms/step
>5794, dr[0.597,0.741], df[0.715,0.030], g[0.922,0.076]
1/1 [=====] - 0s 80ms/step
>5795, dr[0.667,0.309], df[0.643,0.027], g[0.856,0.116]
1/1 [=====] - 0s 79ms/step
>5796, dr[0.649,0.457], df[0.772,0.028], g[0.928,0.047]
1/1 [=====] - 0s 86ms/step
>5797, dr[0.625,0.599], df[0.576,0.081], g[0.928,0.048]
1/1 [=====] - 0s 80ms/step
>5798, dr[0.696,0.407], df[0.608,0.011], g[0.918,0.040]
1/1 [=====] - 0s 82ms/step
>5799, dr[0.658,0.853], df[0.765,0.027], g[0.852,0.026]
1/1 [=====] - 0s 79ms/step
>5800, dr[0.690,0.453], df[0.835,0.046], g[0.858,0.029]
1/1 [=====] - 0s 77ms/step
>5801, dr[0.624,0.502], df[0.647,0.068], g[1.019,0.042]
1/1 [=====] - 0s 88ms/step
>5802, dr[0.645,0.729], df[0.681,0.038], g[0.939,0.113]
1/1 [=====] - 0s 79ms/step
>5803, dr[0.691,0.346], df[0.648,0.041], g[0.894,0.066]
1/1 [=====] - 0s 79ms/step
>5804, dr[0.678,0.394], df[0.765,0.050], g[1.045,0.023]
1/1 [=====] - 0s 86ms/step
>5805, dr[0.670,1.097], df[0.694,0.029], g[0.859,0.037]
1/1 [=====] - 0s 79ms/step
>5806, dr[0.643,0.549], df[0.695,0.102], g[0.869,0.066]
1/1 [=====] - 0s 83ms/step
>5807, dr[0.724,0.652], df[0.589,0.030], g[0.912,0.036]
1/1 [=====] - 0s 78ms/step
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>5808, dr[0.611,0.436], df[0.718,0.058], g[0.897,0.073]
1/1 [=====] - 0s 77ms/step
>5809, dr[0.575,0.240], df[0.579,0.031], g[0.946,0.025]
1/1 [=====] - 0s 90ms/step
>5810, dr[0.564,0.347], df[0.764,0.043], g[1.010,0.034]
1/1 [=====] - 0s 79ms/step
>5811, dr[0.756,0.710], df[0.656,0.019], g[0.982,0.091]
1/1 [=====] - 0s 87ms/step
>5812, dr[0.734,0.439], df[0.675,0.035], g[0.819,0.050]
1/1 [=====] - 0s 93ms/step
>5813, dr[0.575,0.369], df[0.602,0.031], g[0.914,0.036]
1/1 [=====] - 0s 88ms/step
>5814, dr[0.722,0.461], df[0.649,0.027], g[0.918,0.033]
1/1 [=====] - 0s 85ms/step
>5815, dr[0.617,0.446], df[0.695,0.074], g[0.893,0.048]
1/1 [=====] - 0s 79ms/step
>5816, dr[0.758,0.482], df[0.667,0.022], g[0.940,0.050]
1/1 [=====] - 0s 82ms/step
>5817, dr[0.701,0.606], df[0.662,0.030], g[0.923,0.046]
1/1 [=====] - 0s 84ms/step
>5818, dr[0.584,0.497], df[0.736,0.025], g[0.885,0.029]
1/1 [=====] - 0s 81ms/step
>5819, dr[0.604,0.317], df[0.748,0.074], g[0.922,0.039]
1/1 [=====] - 0s 79ms/step
>5820, dr[0.683,0.367], df[0.614,0.024], g[0.955,0.074]
1/1 [=====] - 0s 79ms/step
>5821, dr[0.712,0.844], df[0.741,0.034], g[0.930,0.085]
1/1 [=====] - 0s 79ms/step
>5822, dr[0.593,0.557], df[0.701,0.037], g[0.909,0.022]
1/1 [=====] - 0s 88ms/step
>5823, dr[0.752,0.531], df[0.732,0.051], g[0.976,0.043]
1/1 [=====] - 0s 86ms/step
>5824, dr[0.737,0.499], df[0.674,0.050], g[0.994,0.045]
1/1 [=====] - 0s 78ms/step
>5825, dr[0.575,0.576], df[0.650,0.044], g[0.945,0.046]
1/1 [=====] - 0s 84ms/step
>5826, dr[0.721,0.641], df[0.637,0.053], g[0.976,0.040]
1/1 [=====] - 0s 86ms/step
>5827, dr[0.704,0.301], df[0.640,0.048], g[1.037,0.051]
1/1 [=====] - 0s 81ms/step
>5828, dr[0.658,0.532], df[0.697,0.019], g[1.022,0.042]
1/1 [=====] - 0s 90ms/step
>5829, dr[0.907,0.425], df[0.715,0.030], g[0.949,0.049]
1/1 [=====] - 0s 81ms/step
>5830, dr[0.608,0.603], df[0.641,0.069], g[0.988,0.049]
1/1 [=====] - 0s 83ms/step
>5831, dr[0.670,0.474], df[0.772,0.022], g[0.911,0.106]
1/1 [=====] - 0s 78ms/step
>5832, dr[0.648,0.741], df[0.589,0.149], g[1.057,0.049]
1/1 [=====] - 0s 79ms/step
>5833, dr[0.651,0.977], df[0.664,0.032], g[0.994,0.056]
1/1 [=====] - 0s 87ms/step
>5834, dr[0.651,0.805], df[0.823,0.044], g[0.977,0.055]
1/1 [=====] - 0s 79ms/step
>5835, dr[0.680,0.512], df[0.545,0.034], g[0.872,0.046]
1/1 [=====] - 0s 86ms/step
>5836, dr[0.641,0.471], df[0.671,0.017], g[0.993,0.086]
1/1 [=====] - 0s 78ms/step
>5837, dr[0.603,0.428], df[0.686,0.066], g[0.906,0.027]
1/1 [=====] - 0s 78ms/step
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>5838, dr[0.621,0.485], df[0.672,0.013], g[1.059,0.055]
1/1 [=====] - 0s 85ms/step
>5839, dr[0.614,0.759], df[0.583,0.036], g[0.872,0.029]
1/1 [=====] - 0s 78ms/step
>5840, dr[0.716,0.231], df[0.709,0.040], g[0.965,0.031]
1/1 [=====] - 0s 78ms/step
>5841, dr[0.589,0.573], df[0.757,0.043], g[1.019,0.107]
1/1 [=====] - 0s 84ms/step
>5842, dr[0.538,0.429], df[0.595,0.016], g[1.021,0.035]
1/1 [=====] - 0s 80ms/step
>5843, dr[0.702,0.498], df[0.583,0.031], g[1.027,0.079]
1/1 [=====] - 0s 87ms/step
>5844, dr[0.574,0.652], df[0.589,0.031], g[0.907,0.033]
1/1 [=====] - 0s 76ms/step
>5845, dr[0.800,0.508], df[0.619,0.092], g[0.850,0.041]
1/1 [=====] - 0s 78ms/step
>5846, dr[0.717,0.528], df[0.581,0.033], g[0.845,0.049]
1/1 [=====] - 0s 83ms/step
>5847, dr[0.648,0.625], df[0.713,0.032], g[0.825,0.038]
1/1 [=====] - 0s 92ms/step
>5848, dr[0.540,0.363], df[0.654,0.042], g[0.874,0.072]
1/1 [=====] - 0s 78ms/step
>5849, dr[0.638,0.256], df[0.713,0.030], g[0.903,0.048]
1/1 [=====] - 0s 81ms/step
>5850, dr[0.778,0.542], df[0.728,0.069], g[0.968,0.071]
1/1 [=====] - 0s 79ms/step
>5851, dr[0.560,0.252], df[0.734,0.039], g[0.891,0.018]
1/1 [=====] - 0s 82ms/step
>5852, dr[0.550,0.475], df[0.736,0.032], g[0.957,0.048]
1/1 [=====] - 0s 78ms/step
>5853, dr[0.688,1.045], df[0.591,0.062], g[0.998,0.075]
1/1 [=====] - 0s 77ms/step
>5854, dr[0.776,0.444], df[0.722,0.078], g[0.950,0.037]
1/1 [=====] - 0s 90ms/step
>5855, dr[0.671,0.599], df[0.620,0.050], g[0.925,0.056]
1/1 [=====] - 0s 76ms/step
>5856, dr[0.733,0.133], df[0.645,0.059], g[0.939,0.040]
1/1 [=====] - 0s 80ms/step
>5857, dr[0.602,0.280], df[0.778,0.045], g[0.904,0.075]
1/1 [=====] - 0s 78ms/step
>5858, dr[0.825,0.607], df[0.649,0.022], g[0.904,0.058]
1/1 [=====] - 0s 77ms/step
>5859, dr[0.673,0.326], df[0.791,0.026], g[0.910,0.041]
1/1 [=====] - 0s 90ms/step
>5860, dr[0.653,0.602], df[0.658,0.086], g[0.903,0.036]
1/1 [=====] - 0s 79ms/step
>5861, dr[0.594,0.689], df[0.663,0.039], g[0.870,0.030]
1/1 [=====] - 0s 89ms/step
>5862, dr[0.752,0.563], df[0.794,0.040], g[0.872,0.064]
1/1 [=====] - 0s 81ms/step
>5863, dr[0.655,0.367], df[0.626,0.033], g[0.869,0.020]
1/1 [=====] - 0s 79ms/step
>5864, dr[0.609,0.286], df[0.600,0.120], g[0.936,0.049]
1/1 [=====] - 0s 84ms/step
>5865, dr[0.672,0.569], df[0.700,0.042], g[0.910,0.038]
1/1 [=====] - 0s 79ms/step
>5866, dr[0.665,0.462], df[0.700,0.031], g[0.921,0.048]
1/1 [=====] - 0s 80ms/step
>5867, dr[0.664,0.258], df[0.615,0.024], g[0.891,0.060]
1/1 [=====] - 0s 84ms/step
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>5868, dr[0.579,0.569], df[0.767,0.052], g[0.989,0.034]
1/1 [=====] - 0s 84ms/step
>5869, dr[0.789,0.681], df[0.660,0.091], g[0.881,0.029]
1/1 [=====] - 0s 81ms/step
>5870, dr[0.710,0.470], df[0.753,0.047], g[0.884,0.049]
1/1 [=====] - 0s 80ms/step
>5871, dr[0.592,0.284], df[0.796,0.020], g[0.926,0.039]
1/1 [=====] - 0s 78ms/step
>5872, dr[0.660,0.746], df[0.632,0.029], g[0.955,0.024]
1/1 [=====] - 0s 91ms/step
>5873, dr[0.721,0.370], df[0.591,0.027], g[0.959,0.051]
1/1 [=====] - 0s 81ms/step
>5874, dr[0.630,0.517], df[0.726,0.025], g[0.955,0.030]
1/1 [=====] - 0s 80ms/step
>5875, dr[0.601,0.689], df[0.613,0.036], g[0.967,0.046]
1/1 [=====] - 0s 83ms/step
>5876, dr[0.688,0.325], df[0.713,0.065], g[0.939,0.023]
1/1 [=====] - 0s 85ms/step
>5877, dr[0.658,0.606], df[0.582,0.131], g[0.888,0.041]
1/1 [=====] - 0s 83ms/step
>5878, dr[0.668,0.389], df[0.776,0.026], g[0.868,0.040]
1/1 [=====] - 0s 79ms/step
>5879, dr[0.741,0.855], df[0.762,0.056], g[1.046,0.031]
1/1 [=====] - 0s 77ms/step
>5880, dr[0.538,0.501], df[0.701,0.051], g[0.997,0.028]
1/1 [=====] - 0s 79ms/step
>5881, dr[0.712,0.638], df[0.739,0.030], g[0.974,0.034]
1/1 [=====] - 0s 79ms/step
>5882, dr[0.681,0.498], df[0.683,0.034], g[0.999,0.042]
1/1 [=====] - 0s 88ms/step
>5883, dr[0.636,0.807], df[0.615,0.090], g[1.014,0.038]
1/1 [=====] - 0s 80ms/step
>5884, dr[0.652,0.574], df[0.740,0.031], g[0.978,0.105]
1/1 [=====] - 0s 79ms/step
>5885, dr[0.762,0.184], df[0.587,0.177], g[0.875,0.040]
1/1 [=====] - 0s 83ms/step
>5886, dr[0.753,0.600], df[0.719,0.102], g[0.906,0.052]
1/1 [=====] - 0s 81ms/step
>5887, dr[0.655,0.159], df[0.732,0.052], g[0.908,0.037]
1/1 [=====] - 0s 84ms/step
>5888, dr[0.676,0.555], df[0.680,0.041], g[0.949,0.019]
1/1 [=====] - 0s 78ms/step
>5889, dr[0.602,0.706], df[0.699,0.085], g[1.006,0.016]
1/1 [=====] - 0s 89ms/step
>5890, dr[0.664,0.387], df[0.542,0.064], g[0.938,0.031]
1/1 [=====] - 0s 84ms/step
>5891, dr[0.584,0.378], df[0.575,0.042], g[0.887,0.040]
1/1 [=====] - 0s 79ms/step
>5892, dr[0.633,0.640], df[0.764,0.040], g[0.969,0.052]
1/1 [=====] - 0s 81ms/step
>5893, dr[0.819,0.895], df[0.729,0.033], g[0.854,0.037]
1/1 [=====] - 0s 88ms/step
>5894, dr[0.759,0.584], df[0.790,0.030], g[0.815,0.041]
1/1 [=====] - 0s 80ms/step
>5895, dr[0.585,0.287], df[0.747,0.073], g[1.102,0.028]
1/1 [=====] - 0s 86ms/step
>5896, dr[0.697,0.458], df[0.671,0.109], g[0.878,0.037]
1/1 [=====] - 0s 78ms/step
>5897, dr[0.626,0.624], df[0.560,0.045], g[1.051,0.048]
1/1 [=====] - 0s 89ms/step
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>5898, dr[0.629,0.444], df[0.747,0.076], g[1.038,0.036]
1/1 [=====] - 0s 90ms/step
>5899, dr[0.741,0.419], df[0.632,0.096], g[0.992,0.045]
1/1 [=====] - 0s 84ms/step
>5900, dr[0.702,0.801], df[0.762,0.076], g[1.046,0.051]
1/1 [=====] - 0s 79ms/step
>5901, dr[0.722,0.423], df[0.474,0.051], g[0.912,0.051]
1/1 [=====] - 0s 84ms/step
>5902, dr[0.571,0.238], df[0.635,0.019], g[0.866,0.041]
1/1 [=====] - 0s 87ms/step
>5903, dr[0.705,0.924], df[0.751,0.060], g[0.831,0.097]
1/1 [=====] - 0s 86ms/step
>5904, dr[0.570,0.802], df[0.648,0.032], g[1.036,0.051]
1/1 [=====] - 0s 78ms/step
>5905, dr[0.586,0.742], df[0.627,0.054], g[0.940,0.047]
1/1 [=====] - 0s 83ms/step
>5906, dr[0.678,0.548], df[0.689,0.062], g[1.037,0.047]
1/1 [=====] - 0s 82ms/step
>5907, dr[0.642,0.406], df[0.664,0.047], g[1.115,0.023]
1/1 [=====] - 0s 78ms/step
>5908, dr[0.681,0.452], df[0.632,0.030], g[1.010,0.017]
1/1 [=====] - 0s 78ms/step
>5909, dr[0.652,0.642], df[0.607,0.029], g[0.968,0.032]
1/1 [=====] - 0s 82ms/step
>5910, dr[0.618,0.658], df[0.702,0.019], g[0.890,0.057]
1/1 [=====] - 0s 79ms/step
>5911, dr[0.726,0.128], df[0.720,0.041], g[0.959,0.056]
1/1 [=====] - 0s 84ms/step
>5912, dr[0.617,0.425], df[0.665,0.030], g[1.022,0.033]
1/1 [=====] - 0s 82ms/step
>5913, dr[0.738,0.365], df[0.572,0.029], g[0.966,0.058]
1/1 [=====] - 0s 82ms/step
>5914, dr[0.788,0.332], df[0.590,0.083], g[0.917,0.030]
1/1 [=====] - 0s 83ms/step
>5915, dr[0.717,0.581], df[0.725,0.026], g[0.897,0.025]
1/1 [=====] - 0s 80ms/step
>5916, dr[0.532,0.259], df[0.697,0.028], g[1.000,0.040]
1/1 [=====] - 0s 78ms/step
>5917, dr[0.528,0.541], df[0.660,0.044], g[1.014,0.026]
1/1 [=====] - 0s 77ms/step
>5918, dr[0.656,0.342], df[0.618,0.010], g[1.054,0.041]
1/1 [=====] - 0s 80ms/step
>5919, dr[0.635,0.585], df[0.637,0.043], g[1.025,0.023]
1/1 [=====] - 0s 88ms/step
>5920, dr[0.606,0.360], df[0.533,0.036], g[1.000,0.034]
1/1 [=====] - 0s 85ms/step
>5921, dr[0.594,0.243], df[0.665,0.044], g[0.943,0.091]
1/1 [=====] - 0s 82ms/step
>5922, dr[0.689,0.396], df[0.612,0.013], g[0.978,0.037]
1/1 [=====] - 0s 85ms/step
>5923, dr[0.678,0.622], df[0.691,0.039], g[0.865,0.053]
1/1 [=====] - 0s 88ms/step
>5924, dr[0.684,0.533], df[0.746,0.027], g[0.943,0.055]
1/1 [=====] - 0s 80ms/step
>5925, dr[0.612,0.348], df[0.707,0.037], g[0.850,0.030]
1/1 [=====] - 0s 89ms/step
>5926, dr[0.615,0.400], df[0.710,0.039], g[1.027,0.023]
1/1 [=====] - 0s 79ms/step
>5927, dr[0.761,0.615], df[0.723,0.059], g[0.849,0.030]
1/1 [=====] - 0s 79ms/step
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>5928, dr[0.690,0.450], df[0.644,0.043], g[0.949,0.028]
1/1 [=====] - 0s 86ms/step
>5929, dr[0.582,0.523], df[0.778,0.028], g[0.990,0.046]
1/1 [=====] - 0s 80ms/step
>5930, dr[0.603,0.547], df[0.629,0.066], g[0.949,0.031]
1/1 [=====] - 0s 87ms/step
>5931, dr[0.597,0.602], df[0.713,0.015], g[1.068,0.027]
1/1 [=====] - 0s 78ms/step
>5932, dr[0.746,0.556], df[0.686,0.059], g[1.003,0.024]
1/1 [=====] - 0s 78ms/step
>5933, dr[0.696,0.601], df[0.617,0.043], g[1.028,0.029]
1/1 [=====] - 0s 84ms/step
>5934, dr[0.678,0.284], df[0.656,0.029], g[0.947,0.037]
1/1 [=====] - 0s 79ms/step
>5935, dr[0.661,0.518], df[0.673,0.069], g[0.980,0.021]
1/1 [=====] - 0s 82ms/step
>5936, dr[0.656,0.476], df[0.552,0.030], g[0.891,0.020]
1/1 [=====] - 0s 77ms/step
>5937, dr[0.661,0.309], df[0.699,0.026], g[0.867,0.044]
1/1 [=====] - 0s 80ms/step
>5938, dr[0.565,0.926], df[0.724,0.019], g[0.942,0.026]
1/1 [=====] - 0s 89ms/step
>5939, dr[0.573,0.520], df[0.758,0.048], g[0.837,0.047]
1/1 [=====] - 0s 90ms/step
>5940, dr[0.703,0.620], df[0.574,0.059], g[0.952,0.033]
1/1 [=====] - 0s 91ms/step
>5941, dr[0.645,0.244], df[0.718,0.048], g[0.883,0.029]
1/1 [=====] - 0s 97ms/step
>5942, dr[0.723,0.921], df[0.654,0.050], g[0.975,0.084]
1/1 [=====] - 0s 79ms/step
>5943, dr[0.697,0.734], df[0.719,0.034], g[0.946,0.033]
1/1 [=====] - 0s 78ms/step
>5944, dr[0.556,0.193], df[0.767,0.057], g[0.876,0.046]
1/1 [=====] - 0s 100ms/step
>5945, dr[0.649,0.369], df[0.567,0.046], g[0.924,0.033]
1/1 [=====] - 0s 80ms/step
>5946, dr[0.803,0.484], df[0.647,0.033], g[0.799,0.017]
1/1 [=====] - 0s 83ms/step
>5947, dr[0.622,0.442], df[0.717,0.025], g[0.943,0.030]
1/1 [=====] - 0s 81ms/step
>5948, dr[0.752,0.631], df[0.592,0.040], g[0.986,0.088]
1/1 [=====] - 0s 81ms/step
>5949, dr[0.585,0.598], df[0.776,0.032], g[0.979,0.026]
1/1 [=====] - 0s 84ms/step
>5950, dr[0.685,0.720], df[0.724,0.053], g[0.893,0.059]
1/1 [=====] - 0s 81ms/step
>5951, dr[0.591,0.427], df[0.710,0.087], g[1.075,0.052]
1/1 [=====] - 0s 80ms/step
>5952, dr[0.639,0.453], df[0.721,0.017], g[0.880,0.097]
1/1 [=====] - 0s 82ms/step
>5953, dr[0.707,0.446], df[0.705,0.120], g[0.909,0.078]
1/1 [=====] - 0s 80ms/step
>5954, dr[0.654,0.883], df[0.731,0.025], g[1.010,0.029]
1/1 [=====] - 0s 85ms/step
>5955, dr[0.814,0.619], df[0.791,0.025], g[0.940,0.049]
1/1 [=====] - 0s 80ms/step
>5956, dr[0.721,0.465], df[0.699,0.023], g[1.000,0.062]
1/1 [=====] - 0s 84ms/step
>5957, dr[0.657,0.262], df[0.671,0.040], g[0.939,0.032]
1/1 [=====] - 0s 93ms/step
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>5958, dr[0.584,0.246], df[0.692,0.010], g[0.983,0.053]
1/1 [=====] - 0s 78ms/step
>5959, dr[0.595,0.742], df[0.645,0.038], g[0.895,0.037]
1/1 [=====] - 0s 80ms/step
>5960, dr[0.644,0.363], df[0.659,0.133], g[0.926,0.097]
1/1 [=====] - 0s 77ms/step
>5961, dr[0.704,0.302], df[0.643,0.085], g[0.930,0.093]
1/1 [=====] - 0s 82ms/step
>5962, dr[0.653,0.201], df[0.576,0.071], g[0.901,0.077]
1/1 [=====] - 0s 84ms/step
>5963, dr[0.746,0.166], df[0.744,0.028], g[0.909,0.032]
1/1 [=====] - 0s 79ms/step
>5964, dr[0.633,0.830], df[0.833,0.047], g[0.893,0.051]
1/1 [=====] - 0s 82ms/step
>5965, dr[0.741,0.429], df[0.619,0.064], g[0.950,0.048]
1/1 [=====] - 0s 79ms/step
>5966, dr[0.570,0.685], df[0.720,0.029], g[1.014,0.074]
1/1 [=====] - 0s 78ms/step
>5967, dr[0.657,0.263], df[0.626,0.041], g[1.003,0.031]
1/1 [=====] - 0s 92ms/step
>5968, dr[0.629,0.399], df[0.658,0.017], g[0.926,0.037]
1/1 [=====] - 0s 90ms/step
>5969, dr[0.730,0.462], df[0.738,0.069], g[1.009,0.025]
1/1 [=====] - 0s 94ms/step
>5970, dr[0.710,0.272], df[0.678,0.036], g[0.999,0.081]
1/1 [=====] - 0s 88ms/step
>5971, dr[0.701,0.777], df[0.742,0.021], g[0.893,0.034]
1/1 [=====] - 0s 107ms/step
>5972, dr[0.739,0.459], df[0.737,0.041], g[0.962,0.043]
1/1 [=====] - 0s 91ms/step
>5973, dr[0.650,0.342], df[0.624,0.052], g[0.848,0.045]
1/1 [=====] - 0s 84ms/step
>5974, dr[0.797,0.720], df[0.646,0.054], g[0.908,0.021]
1/1 [=====] - 0s 84ms/step
>5975, dr[0.639,0.379], df[0.862,0.050], g[0.956,0.024]
1/1 [=====] - 0s 83ms/step
>5976, dr[0.704,0.605], df[0.712,0.030], g[0.904,0.063]
1/1 [=====] - 0s 87ms/step
>5977, dr[0.609,0.653], df[0.647,0.053], g[0.865,0.054]
1/1 [=====] - 0s 96ms/step
>5978, dr[0.690,0.623], df[0.718,0.036], g[0.922,0.046]
1/1 [=====] - 0s 90ms/step
>5979, dr[0.744,0.555], df[0.677,0.041], g[0.822,0.059]
1/1 [=====] - 0s 119ms/step
>5980, dr[0.625,0.455], df[0.764,0.051], g[0.885,0.033]
1/1 [=====] - 0s 98ms/step
>5981, dr[0.688,1.403], df[0.690,0.075], g[0.853,0.080]
1/1 [=====] - 0s 102ms/step
>5982, dr[0.559,0.341], df[0.729,0.058], g[0.952,0.029]
1/1 [=====] - 0s 94ms/step
>5983, dr[0.633,0.429], df[0.705,0.039], g[0.852,0.051]
1/1 [=====] - 0s 94ms/step
>5984, dr[0.718,0.809], df[0.681,0.030], g[0.883,0.031]
1/1 [=====] - 0s 98ms/step
>5985, dr[0.821,0.470], df[0.629,0.036], g[1.085,0.038]
1/1 [=====] - 0s 91ms/step
>5986, dr[0.712,0.329], df[0.771,0.019], g[0.939,0.030]
1/1 [=====] - 0s 89ms/step
>5987, dr[0.607,0.606], df[0.612,0.026], g[0.965,0.032]
1/1 [=====] - 0s 142ms/step
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>5988, dr[0.765,0.662], df[0.677,0.030], g[0.947,0.093]
1/1 [=====] - 0s 122ms/step
>5989, dr[0.727,0.428], df[0.750,0.028], g[0.971,0.037]
1/1 [=====] - 0s 123ms/step
>5990, dr[0.639,0.335], df[0.684,0.044], g[0.910,0.074]
1/1 [=====] - 0s 135ms/step
>5991, dr[0.575,0.494], df[0.689,0.038], g[0.922,0.042]
1/1 [=====] - 0s 117ms/step
>5992, dr[0.541,0.272], df[0.783,0.101], g[0.974,0.027]
1/1 [=====] - 0s 145ms/step
>5993, dr[0.787,0.341], df[0.653,0.054], g[0.973,0.039]
1/1 [=====] - 0s 113ms/step
>5994, dr[0.738,0.211], df[0.571,0.030], g[0.827,0.052]
1/1 [=====] - 0s 107ms/step
>5995, dr[0.683,0.410], df[0.723,0.036], g[0.914,0.027]
1/1 [=====] - 0s 111ms/step
>5996, dr[0.771,0.886], df[0.680,0.029], g[0.866,0.061]
1/1 [=====] - 0s 112ms/step
>5997, dr[0.545,0.394], df[0.649,0.024], g[0.928,0.033]
1/1 [=====] - 0s 107ms/step
>5998, dr[0.552,0.516], df[0.690,0.077], g[0.957,0.055]
1/1 [=====] - 0s 107ms/step
>5999, dr[0.743,0.441], df[0.511,0.016], g[0.841,0.029]
1/1 [=====] - 0s 110ms/step
>6000, dr[0.701,0.266], df[0.709,0.036], g[0.970,0.070]
1/1 [=====] - 0s 116ms/step
>6001, dr[0.565,0.572], df[0.838,0.067], g[0.984,0.039]
1/1 [=====] - 0s 127ms/step
>6002, dr[0.700,0.404], df[0.743,0.032], g[0.962,0.085]
1/1 [=====] - 0s 124ms/step
>6003, dr[0.688,0.291], df[0.633,0.055], g[0.939,0.042]
1/1 [=====] - 0s 119ms/step
>6004, dr[0.839,0.413], df[0.596,0.048], g[0.997,0.061]
1/1 [=====] - 0s 115ms/step
>6005, dr[0.669,0.695], df[0.669,0.027], g[0.877,0.040]
1/1 [=====] - 0s 124ms/step
>6006, dr[0.581,0.436], df[0.662,0.034], g[0.990,0.032]
1/1 [=====] - 0s 132ms/step
>6007, dr[0.672,0.511], df[0.614,0.076], g[0.928,0.042]
1/1 [=====] - 0s 113ms/step
>6008, dr[0.663,0.616], df[0.767,0.029], g[0.906,0.096]
1/1 [=====] - 0s 107ms/step
>6009, dr[0.701,0.469], df[0.844,0.077], g[0.924,0.033]
1/1 [=====] - 0s 98ms/step
>6010, dr[0.711,0.352], df[0.653,0.049], g[0.891,0.059]
1/1 [=====] - 0s 107ms/step
>6011, dr[0.654,0.508], df[0.751,0.138], g[0.969,0.030]
1/1 [=====] - 0s 95ms/step
>6012, dr[0.707,0.548], df[0.611,0.041], g[0.963,0.043]
1/1 [=====] - 0s 105ms/step
>6013, dr[0.679,0.560], df[0.628,0.033], g[0.817,0.036]
1/1 [=====] - 0s 103ms/step
>6014, dr[0.645,0.686], df[0.860,0.051], g[0.983,0.033]
1/1 [=====] - 0s 128ms/step
>6015, dr[0.586,0.212], df[0.683,0.022], g[0.956,0.038]
1/1 [=====] - 0s 97ms/step
>6016, dr[0.608,0.489], df[0.737,0.026], g[1.070,0.032]
1/1 [=====] - 0s 89ms/step
>6017, dr[0.599,0.220], df[0.707,0.020], g[1.035,0.040]
1/1 [=====] - 0s 87ms/step
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>6018, dr[0.810,0.379], df[0.588,0.067], g[0.825,0.039]
1/1 [=====] - 0s 98ms/step
>6019, dr[0.676,0.459], df[0.609,0.038], g[0.919,0.035]
1/1 [=====] - 0s 88ms/step
>6020, dr[0.685,0.565], df[0.669,0.025], g[0.801,0.031]
1/1 [=====] - 0s 90ms/step
>6021, dr[0.617,0.700], df[0.805,0.026], g[0.966,0.035]
1/1 [=====] - 0s 90ms/step
>6022, dr[0.626,0.427], df[0.745,0.046], g[0.973,0.075]
1/1 [=====] - 0s 85ms/step
>6023, dr[0.718,0.588], df[0.534,0.030], g[0.962,0.057]
1/1 [=====] - 0s 89ms/step
>6024, dr[0.689,0.397], df[0.601,0.029], g[0.929,0.038]
1/1 [=====] - 0s 86ms/step
>6025, dr[0.686,0.539], df[0.677,0.056], g[0.920,0.061]
1/1 [=====] - 0s 96ms/step
>6026, dr[0.749,0.711], df[0.729,0.019], g[0.850,0.055]
1/1 [=====] - 0s 93ms/step
>6027, dr[0.511,0.747], df[0.680,0.041], g[0.996,0.047]
1/1 [=====] - 0s 112ms/step
>6028, dr[0.611,0.565], df[0.639,0.057], g[0.947,0.035]
1/1 [=====] - 0s 99ms/step
>6029, dr[0.706,0.274], df[0.647,0.046], g[1.020,0.024]
1/1 [=====] - 0s 93ms/step
>6030, dr[0.658,0.422], df[0.760,0.029], g[0.914,0.035]
1/1 [=====] - 0s 89ms/step
>6031, dr[0.700,0.602], df[0.668,0.045], g[0.911,0.027]
1/1 [=====] - 0s 80ms/step
>6032, dr[0.729,0.551], df[0.691,0.030], g[1.029,0.040]
1/1 [=====] - 0s 88ms/step
>6033, dr[0.607,1.102], df[0.649,0.019], g[0.917,0.037]
1/1 [=====] - 0s 88ms/step
>6034, dr[0.643,0.374], df[0.528,0.028], g[0.973,0.021]
1/1 [=====] - 0s 84ms/step
>6035, dr[0.605,0.450], df[0.665,0.061], g[0.896,0.038]
1/1 [=====] - 0s 98ms/step
>6036, dr[0.554,0.594], df[0.595,0.031], g[0.909,0.049]
1/1 [=====] - 0s 84ms/step
>6037, dr[0.527,0.820], df[0.645,0.018], g[0.882,0.061]
1/1 [=====] - 0s 81ms/step
>6038, dr[0.698,0.564], df[0.666,0.020], g[0.956,0.048]
1/1 [=====] - 0s 93ms/step
>6039, dr[0.665,0.317], df[0.710,0.126], g[1.011,0.040]
1/1 [=====] - 0s 85ms/step
>6040, dr[0.770,0.465], df[0.689,0.046], g[0.977,0.066]
1/1 [=====] - 0s 96ms/step
>6041, dr[0.668,0.271], df[0.753,0.058], g[1.043,0.030]
1/1 [=====] - 0s 102ms/step
>6042, dr[0.673,0.334], df[0.568,0.034], g[0.911,0.042]
1/1 [=====] - 0s 99ms/step
>6043, dr[0.648,0.477], df[0.729,0.062], g[0.973,0.017]
1/1 [=====] - 0s 91ms/step
>6044, dr[0.594,0.248], df[0.674,0.029], g[0.962,0.031]
1/1 [=====] - 0s 90ms/step
>6045, dr[0.728,0.449], df[0.682,0.016], g[1.023,0.015]
1/1 [=====] - 0s 77ms/step
>6046, dr[0.779,0.692], df[0.673,0.079], g[0.854,0.021]
1/1 [=====] - 0s 80ms/step
>6047, dr[0.590,0.534], df[0.717,0.027], g[0.934,0.033]
1/1 [=====] - 0s 93ms/step
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>6048, dr[0.680,0.437], df[0.731,0.078], g[0.957,0.042]
1/1 [=====] - 0s 77ms/step
>6049, dr[0.772,0.549], df[0.608,0.135], g[1.029,0.136]
1/1 [=====] - 0s 105ms/step
>6050, dr[0.733,0.353], df[0.751,0.130], g[0.941,0.050]
1/1 [=====] - 0s 87ms/step
>6051, dr[0.663,0.590], df[0.771,0.051], g[0.959,0.041]
1/1 [=====] - 0s 84ms/step
>6052, dr[0.648,0.368], df[0.618,0.077], g[0.876,0.033]
1/1 [=====] - 0s 78ms/step
>6053, dr[0.682,0.643], df[0.743,0.026], g[0.961,0.032]
1/1 [=====] - 0s 86ms/step
>6054, dr[0.613,0.651], df[0.645,0.029], g[0.975,0.039]
1/1 [=====] - 0s 78ms/step
>6055, dr[0.635,0.145], df[0.731,0.037], g[0.991,0.025]
1/1 [=====] - 0s 79ms/step
>6056, dr[0.693,0.261], df[0.640,0.043], g[0.899,0.058]
1/1 [=====] - 0s 85ms/step
>6057, dr[0.665,0.914], df[0.638,0.061], g[1.076,0.030]
1/1 [=====] - 0s 79ms/step
>6058, dr[0.748,0.467], df[0.594,0.049], g[0.965,0.040]
1/1 [=====] - 0s 84ms/step
>6059, dr[0.612,0.304], df[0.704,0.082], g[0.918,0.035]
1/1 [=====] - 0s 77ms/step
>6060, dr[0.618,0.384], df[0.739,0.070], g[0.941,0.033]
1/1 [=====] - 0s 88ms/step
>6061, dr[0.679,0.307], df[0.667,0.068], g[1.025,0.019]
1/1 [=====] - 0s 86ms/step
>6062, dr[0.788,0.543], df[0.572,0.069], g[0.830,0.052]
1/1 [=====] - 0s 77ms/step
>6063, dr[0.681,0.756], df[0.727,0.170], g[0.844,0.073]
1/1 [=====] - 0s 78ms/step
>6064, dr[0.598,0.464], df[0.714,0.022], g[0.970,0.042]
1/1 [=====] - 0s 85ms/step
>6065, dr[0.662,0.231], df[0.684,0.031], g[0.854,0.049]
1/1 [=====] - 0s 78ms/step
>6066, dr[0.714,0.353], df[0.685,0.054], g[0.989,0.032]
1/1 [=====] - 0s 83ms/step
>6067, dr[0.581,0.294], df[0.693,0.035], g[0.882,0.024]
1/1 [=====] - 0s 81ms/step
>6068, dr[0.597,0.416], df[0.792,0.191], g[0.890,0.045]
1/1 [=====] - 0s 77ms/step
>6069, dr[0.640,0.254], df[0.615,0.072], g[0.951,0.096]
1/1 [=====] - 0s 85ms/step
>6070, dr[0.703,0.416], df[0.611,0.025], g[0.901,0.024]
1/1 [=====] - 0s 79ms/step
>6071, dr[0.669,0.419], df[0.727,0.084], g[0.890,0.021]
1/1 [=====] - 0s 85ms/step
>6072, dr[0.592,0.343], df[0.704,0.042], g[0.945,0.026]
1/1 [=====] - 0s 85ms/step
>6073, dr[0.710,0.469], df[0.635,0.054], g[0.987,0.096]
1/1 [=====] - 0s 108ms/step
>6074, dr[0.684,0.529], df[0.689,0.024], g[0.994,0.035]
1/1 [=====] - 0s 105ms/step
>6075, dr[0.647,0.309], df[0.652,0.107], g[0.941,0.033]
1/1 [=====] - 0s 78ms/step
>6076, dr[0.632,0.534], df[0.589,0.058], g[0.855,0.073]
1/1 [=====] - 0s 167ms/step
>6077, dr[0.656,0.260], df[0.554,0.039], g[0.924,0.030]
1/1 [=====] - 0s 87ms/step
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>6078, dr[0.515,0.749], df[0.736,0.048], g[0.922,0.045]
1/1 [=====] - 0s 119ms/step
>6079, dr[0.698,0.964], df[0.723,0.051], g[0.932,0.058]
1/1 [=====] - 0s 105ms/step
>6080, dr[0.634,0.353], df[0.689,0.030], g[0.937,0.044]
1/1 [=====] - 0s 110ms/step
>6081, dr[0.655,0.587], df[0.694,0.015], g[0.983,0.026]
1/1 [=====] - 0s 89ms/step
>6082, dr[0.829,0.412], df[0.688,0.042], g[1.003,0.029]
1/1 [=====] - 0s 88ms/step
>6083, dr[0.618,0.276], df[0.661,0.039], g[0.997,0.032]
1/1 [=====] - 0s 95ms/step
>6084, dr[0.678,0.430], df[0.771,0.016], g[0.943,0.032]
1/1 [=====] - 0s 81ms/step
>6085, dr[0.726,0.740], df[0.803,0.050], g[0.885,0.052]
1/1 [=====] - 0s 84ms/step
>6086, dr[0.729,0.492], df[0.671,0.037], g[0.835,0.041]
1/1 [=====] - 0s 94ms/step
>6087, dr[0.615,0.553], df[0.675,0.013], g[0.889,0.024]
1/1 [=====] - 0s 80ms/step
>6088, dr[0.624,0.614], df[0.787,0.044], g[0.947,0.073]
1/1 [=====] - 0s 78ms/step
>6089, dr[0.671,0.272], df[0.758,0.021], g[0.954,0.035]
1/1 [=====] - 0s 83ms/step
>6090, dr[0.645,0.756], df[0.597,0.040], g[0.895,0.039]
1/1 [=====] - 0s 88ms/step
>6091, dr[0.665,0.489], df[0.598,0.018], g[0.948,0.057]
1/1 [=====] - 0s 79ms/step
>6092, dr[0.711,0.859], df[0.684,0.019], g[0.908,0.024]
1/1 [=====] - 0s 75ms/step
>6093, dr[0.624,0.390], df[0.684,0.173], g[1.003,0.062]
1/1 [=====] - 0s 82ms/step
>6094, dr[0.750,0.414], df[0.618,0.036], g[0.817,0.057]
1/1 [=====] - 0s 84ms/step
>6095, dr[0.595,0.704], df[0.704,0.030], g[0.866,0.016]
1/1 [=====] - 0s 85ms/step
>6096, dr[0.619,0.187], df[0.645,0.016], g[0.853,0.036]
1/1 [=====] - 0s 77ms/step
>6097, dr[0.692,0.624], df[0.704,0.107], g[0.868,0.032]
1/1 [=====] - 0s 88ms/step
>6098, dr[0.569,0.448], df[0.677,0.053], g[0.891,0.027]
1/1 [=====] - 0s 79ms/step
>6099, dr[0.595,0.269], df[0.705,0.033], g[0.912,0.046]
1/1 [=====] - 0s 81ms/step
>6100, dr[0.607,0.313], df[0.606,0.042], g[0.966,0.035]
1/1 [=====] - 0s 77ms/step
>6101, dr[0.683,0.444], df[0.595,0.142], g[0.911,0.034]
1/1 [=====] - 0s 80ms/step
>6102, dr[0.801,0.390], df[0.656,0.014], g[0.923,0.035]
1/1 [=====] - 0s 84ms/step
>6103, dr[0.572,0.392], df[0.559,0.020], g[0.863,0.078]
1/1 [=====] - 0s 80ms/step
>6104, dr[0.590,0.408], df[0.629,0.029], g[0.886,0.036]
1/1 [=====] - 0s 77ms/step
>6105, dr[0.551,0.417], df[0.650,0.018], g[0.844,0.032]
1/1 [=====] - 0s 86ms/step
>6106, dr[0.742,0.391], df[0.636,0.033], g[0.922,0.033]
1/1 [=====] - 0s 77ms/step
>6107, dr[0.692,0.708], df[0.753,0.037], g[0.921,0.026]
1/1 [=====] - 0s 85ms/step
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>6108, dr[0.762,0.323], df[0.728,0.028], g[0.887,0.070]
1/1 [=====] - 0s 80ms/step
>6109, dr[0.694,0.268], df[0.703,0.036], g[0.906,0.041]
1/1 [=====] - 0s 80ms/step
>6110, dr[0.725,0.531], df[0.639,0.028], g[0.940,0.033]
1/1 [=====] - 0s 88ms/step
>6111, dr[0.739,0.673], df[0.787,0.035], g[0.852,0.024]
1/1 [=====] - 0s 79ms/step
>6112, dr[0.714,0.492], df[0.710,0.039], g[0.914,0.016]
1/1 [=====] - 0s 83ms/step
>6113, dr[0.529,0.627], df[0.601,0.029], g[0.923,0.038]
1/1 [=====] - 0s 84ms/step
>6114, dr[0.670,0.758], df[0.491,0.114], g[0.976,0.060]
1/1 [=====] - 0s 94ms/step
>6115, dr[0.540,0.661], df[0.737,0.029], g[0.919,0.017]
1/1 [=====] - 0s 92ms/step
>6116, dr[0.668,0.588], df[0.590,0.020], g[0.860,0.038]
1/1 [=====] - 0s 87ms/step
>6117, dr[0.631,0.310], df[0.808,0.016], g[0.824,0.019]
1/1 [=====] - 0s 84ms/step
>6118, dr[0.653,0.694], df[0.747,0.023], g[0.999,0.026]
1/1 [=====] - 0s 79ms/step
>6119, dr[0.722,0.332], df[0.751,0.042], g[0.889,0.033]
1/1 [=====] - 0s 86ms/step
>6120, dr[0.615,0.608], df[0.649,0.030], g[1.010,0.021]
1/1 [=====] - 0s 82ms/step
>6121, dr[0.727,0.309], df[0.841,0.052], g[1.019,0.039]
1/1 [=====] - 0s 87ms/step
>6122, dr[0.683,0.541], df[0.588,0.027], g[0.875,0.058]
1/1 [=====] - 0s 83ms/step
>6123, dr[0.681,0.346], df[0.674,0.040], g[0.900,0.025]
1/1 [=====] - 0s 78ms/step
>6124, dr[0.777,0.442], df[0.682,0.027], g[0.935,0.036]
1/1 [=====] - 0s 86ms/step
>6125, dr[0.555,0.442], df[0.676,0.026], g[1.018,0.027]
1/1 [=====] - 0s 77ms/step
>6126, dr[0.701,0.409], df[0.665,0.032], g[0.809,0.019]
1/1 [=====] - 0s 79ms/step
>6127, dr[0.662,0.500], df[0.820,0.042], g[0.927,0.025]
1/1 [=====] - 0s 83ms/step
>6128, dr[0.600,0.307], df[0.726,0.052], g[1.039,0.048]
1/1 [=====] - 0s 80ms/step
>6129, dr[0.636,0.363], df[0.684,0.033], g[0.954,0.038]
1/1 [=====] - 0s 85ms/step
>6130, dr[0.649,0.699], df[0.659,0.039], g[0.997,0.035]
1/1 [=====] - 0s 77ms/step
>6131, dr[0.749,0.426], df[0.731,0.056], g[0.891,0.069]
1/1 [=====] - 0s 76ms/step
>6132, dr[0.721,0.384], df[0.570,0.021], g[0.950,0.034]
1/1 [=====] - 0s 96ms/step
>6133, dr[0.712,0.712], df[0.703,0.051], g[0.881,0.036]
1/1 [=====] - 0s 77ms/step
>6134, dr[0.663,0.386], df[0.728,0.036], g[0.893,0.036]
1/1 [=====] - 0s 82ms/step
>6135, dr[0.820,0.285], df[0.611,0.031], g[0.849,0.045]
1/1 [=====] - 0s 85ms/step
>6136, dr[0.710,0.226], df[0.860,0.035], g[1.059,0.036]
1/1 [=====] - 0s 78ms/step
>6137, dr[0.715,0.426], df[0.776,0.026], g[0.836,0.031]
1/1 [=====] - 0s 82ms/step
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>6138, dr[0.655,0.625], df[0.753,0.028], g[0.957,0.046]
1/1 [=====] - 0s 86ms/step
>6139, dr[0.696,0.464], df[0.576,0.019], g[0.832,0.022]
1/1 [=====] - 0s 81ms/step
>6140, dr[0.694,0.594], df[0.717,0.024], g[0.884,0.054]
1/1 [=====] - 0s 86ms/step
>6141, dr[0.660,0.601], df[0.709,0.064], g[0.844,0.031]
1/1 [=====] - 0s 79ms/step
>6142, dr[0.602,0.715], df[0.742,0.059], g[0.938,0.070]
1/1 [=====] - 0s 81ms/step
>6143, dr[0.616,0.657], df[0.621,0.024], g[0.990,0.067]
1/1 [=====] - 0s 84ms/step
>6144, dr[0.592,0.344], df[0.725,0.037], g[0.978,0.066]
1/1 [=====] - 0s 78ms/step
>6145, dr[0.638,0.521], df[0.713,0.082], g[1.085,0.063]
1/1 [=====] - 0s 81ms/step
>6146, dr[0.719,0.654], df[0.591,0.022], g[0.982,0.054]
1/1 [=====] - 0s 81ms/step
>6147, dr[0.676,0.268], df[0.630,0.043], g[0.937,0.039]
1/1 [=====] - 0s 77ms/step
>6148, dr[0.687,0.649], df[0.789,0.043], g[0.897,0.036]
1/1 [=====] - 0s 88ms/step
>6149, dr[0.676,0.834], df[0.672,0.020], g[0.944,0.022]
1/1 [=====] - 0s 85ms/step
>6150, dr[0.670,0.317], df[0.649,0.035], g[0.951,0.028]
1/1 [=====] - 0s 77ms/step
>6151, dr[0.705,0.346], df[0.745,0.060], g[0.854,0.032]
1/1 [=====] - 0s 85ms/step
>6152, dr[0.667,0.747], df[0.612,0.030], g[1.013,0.045]
1/1 [=====] - 0s 88ms/step
>6153, dr[0.595,0.530], df[0.680,0.028], g[0.821,0.071]
1/1 [=====] - 0s 85ms/step
>6154, dr[0.824,0.397], df[0.520,0.028], g[0.927,0.058]
1/1 [=====] - 0s 95ms/step
>6155, dr[0.779,0.377], df[0.683,0.027], g[0.886,0.022]
1/1 [=====] - 0s 79ms/step
>6156, dr[0.617,0.330], df[0.784,0.049], g[0.779,0.062]
1/1 [=====] - 0s 80ms/step
>6157, dr[0.634,0.406], df[0.731,0.044], g[0.952,0.011]
1/1 [=====] - 0s 94ms/step
>6158, dr[0.515,0.669], df[0.729,0.060], g[0.989,0.027]
1/1 [=====] - 0s 85ms/step
>6159, dr[0.682,0.445], df[0.691,0.027], g[0.875,0.022]
1/1 [=====] - 0s 93ms/step
>6160, dr[0.596,0.324], df[0.656,0.037], g[0.953,0.021]
1/1 [=====] - 0s 94ms/step
>6161, dr[0.743,0.570], df[0.661,0.017], g[0.918,0.051]
1/1 [=====] - 0s 78ms/step
>6162, dr[0.711,0.412], df[0.684,0.027], g[0.973,0.029]
1/1 [=====] - 0s 121ms/step
>6163, dr[0.572,0.495], df[0.656,0.036], g[0.942,0.052]
1/1 [=====] - 0s 108ms/step
>6164, dr[0.627,0.359], df[0.661,0.033], g[1.033,0.028]
1/1 [=====] - 0s 129ms/step
>6165, dr[0.711,0.232], df[0.619,0.031], g[0.965,0.042]
1/1 [=====] - 0s 92ms/step
>6166, dr[0.692,0.775], df[0.840,0.068], g[1.080,0.037]
1/1 [=====] - 0s 89ms/step
>6167, dr[0.594,0.418], df[0.625,0.037], g[1.029,0.072]
1/1 [=====] - 0s 103ms/step
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>6168, dr[0.766,0.660], df[0.626,0.038], g[0.941,0.029]
1/1 [=====] - 0s 88ms/step
>6169, dr[0.561,0.416], df[0.631,0.023], g[0.958,0.044]
1/1 [=====] - 0s 89ms/step
>6170, dr[0.651,0.561], df[0.628,0.026], g[0.953,0.092]
1/1 [=====] - 0s 105ms/step
>6171, dr[0.678,0.330], df[0.509,0.085], g[0.867,0.040]
1/1 [=====] - 0s 91ms/step
>6172, dr[0.629,0.392], df[0.579,0.045], g[0.953,0.045]
1/1 [=====] - 0s 88ms/step
>6173, dr[0.763,0.518], df[0.661,0.065], g[0.801,0.049]
1/1 [=====] - 0s 80ms/step
>6174, dr[0.571,0.448], df[0.661,0.082], g[0.901,0.039]
1/1 [=====] - 0s 92ms/step
>6175, dr[0.580,0.518], df[0.783,0.038], g[0.946,0.051]
1/1 [=====] - 0s 82ms/step
>6176, dr[0.603,0.597], df[0.825,0.078], g[0.997,0.044]
1/1 [=====] - 0s 80ms/step
>6177, dr[0.745,0.275], df[0.712,0.009], g[0.757,0.046]
1/1 [=====] - 0s 86ms/step
>6178, dr[0.718,0.335], df[0.678,0.033], g[0.931,0.056]
1/1 [=====] - 0s 88ms/step
>6179, dr[0.619,0.405], df[0.752,0.046], g[1.031,0.043]
1/1 [=====] - 0s 83ms/step
>6180, dr[0.633,0.511], df[0.605,0.022], g[0.940,0.036]
1/1 [=====] - 0s 93ms/step
>6181, dr[0.822,0.349], df[0.603,0.036], g[1.004,0.057]
1/1 [=====] - 0s 79ms/step
>6182, dr[0.699,0.514], df[0.760,0.047], g[0.998,0.097]
1/1 [=====] - 0s 108ms/step
>6183, dr[0.590,0.634], df[0.677,0.043], g[0.973,0.074]
1/1 [=====] - 0s 110ms/step
>6184, dr[0.581,0.716], df[0.781,0.024], g[1.116,0.082]
1/1 [=====] - 0s 101ms/step
>6185, dr[0.852,0.362], df[0.670,0.017], g[0.931,0.041]
1/1 [=====] - 0s 105ms/step
>6186, dr[0.796,0.245], df[0.687,0.026], g[0.944,0.052]
1/1 [=====] - 0s 102ms/step
>6187, dr[0.742,0.493], df[0.692,0.075], g[0.959,0.149]
1/1 [=====] - 0s 117ms/step
>6188, dr[0.605,0.515], df[0.687,0.032], g[0.855,0.066]
1/1 [=====] - 0s 105ms/step
>6189, dr[0.678,0.325], df[0.672,0.022], g[0.928,0.038]
1/1 [=====] - 0s 132ms/step
>6190, dr[0.678,0.659], df[0.748,0.062], g[0.896,0.031]
1/1 [=====] - 0s 128ms/step
>6191, dr[0.567,0.723], df[0.700,0.036], g[0.937,0.038]
1/1 [=====] - 0s 102ms/step
>6192, dr[0.670,0.496], df[0.629,0.084], g[1.027,0.056]
1/1 [=====] - 0s 104ms/step
>6193, dr[0.680,0.211], df[0.744,0.009], g[1.011,0.035]
1/1 [=====] - 0s 86ms/step
>6194, dr[0.718,0.337], df[0.542,0.016], g[0.932,0.087]
1/1 [=====] - 0s 89ms/step
>6195, dr[0.569,0.642], df[0.782,0.016], g[0.918,0.032]
1/1 [=====] - 0s 93ms/step
>6196, dr[0.594,0.668], df[0.750,0.013], g[1.027,0.016]
1/1 [=====] - 0s 90ms/step
>6197, dr[0.528,0.633], df[0.648,0.013], g[0.926,0.050]
1/1 [=====] - 0s 92ms/step
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>6198, dr[0.773,0.391], df[0.741,0.035], g[0.929,0.037]
1/1 [=====] - 0s 103ms/step
>6199, dr[0.800,0.621], df[0.634,0.042], g[1.031,0.063]
1/1 [=====] - 0s 97ms/step
>6200, dr[0.652,0.280], df[0.660,0.016], g[0.952,0.029]
1/1 [=====] - 0s 117ms/step
>6201, dr[0.514,0.268], df[0.587,0.032], g[0.905,0.039]
1/1 [=====] - 0s 140ms/step
>6202, dr[0.674,0.397], df[0.685,0.058], g[1.028,0.032]
1/1 [=====] - 0s 111ms/step
>6203, dr[0.701,0.267], df[0.679,0.024], g[0.910,0.038]
1/1 [=====] - 0s 123ms/step
>6204, dr[0.670,0.381], df[0.672,0.038], g[0.978,0.068]
1/1 [=====] - 0s 97ms/step
>6205, dr[0.576,0.264], df[0.707,0.037], g[0.910,0.044]
1/1 [=====] - 0s 98ms/step
>6206, dr[0.575,0.181], df[0.618,0.030], g[0.971,0.085]
1/1 [=====] - 0s 92ms/step
>6207, dr[0.709,0.341], df[0.639,0.014], g[0.926,0.014]
1/1 [=====] - 0s 96ms/step
>6208, dr[0.624,0.148], df[0.739,0.038], g[0.976,0.037]
1/1 [=====] - 0s 94ms/step
>6209, dr[0.727,0.341], df[0.612,0.067], g[0.910,0.089]
1/1 [=====] - 0s 93ms/step
>6210, dr[0.650,0.435], df[0.602,0.020], g[0.914,0.052]
1/1 [=====] - 0s 89ms/step
>6211, dr[0.634,0.463], df[0.641,0.038], g[1.034,0.037]
1/1 [=====] - 0s 101ms/step
>6212, dr[0.585,0.328], df[0.709,0.044], g[0.941,0.033]
1/1 [=====] - 0s 91ms/step
>6213, dr[0.716,0.384], df[0.654,0.011], g[1.022,0.057]
1/1 [=====] - 0s 86ms/step
>6214, dr[0.757,0.332], df[0.688,0.096], g[0.878,0.053]
1/1 [=====] - 0s 93ms/step
>6215, dr[0.659,0.408], df[0.782,0.024], g[0.994,0.081]
1/1 [=====] - 0s 87ms/step
>6216, dr[0.771,0.545], df[0.712,0.023], g[0.956,0.043]
1/1 [=====] - 0s 83ms/step
>6217, dr[0.755,0.330], df[0.649,0.118], g[0.906,0.048]
1/1 [=====] - 0s 82ms/step
>6218, dr[0.758,0.470], df[0.724,0.012], g[0.870,0.027]
1/1 [=====] - 1s 1s/step
>6219, dr[0.625,0.367], df[0.787,0.042], g[0.899,0.046]
1/1 [=====] - 0s 79ms/step
>6220, dr[0.779,0.393], df[0.633,0.066], g[0.855,0.024]
1/1 [=====] - 0s 88ms/step
>6221, dr[0.714,0.511], df[0.637,0.023], g[0.819,0.060]
1/1 [=====] - 0s 78ms/step
>6222, dr[0.663,0.616], df[0.859,0.087], g[0.889,0.032]
1/1 [=====] - 0s 80ms/step
>6223, dr[0.571,0.794], df[0.720,0.064], g[0.824,0.074]
1/1 [=====] - 0s 84ms/step
>6224, dr[0.599,0.435], df[0.685,0.034], g[0.892,0.030]
1/1 [=====] - 0s 83ms/step
>6225, dr[0.582,0.693], df[0.629,0.022], g[1.089,0.089]
1/1 [=====] - 0s 89ms/step
>6226, dr[0.681,0.511], df[0.645,0.038], g[0.984,0.031]
1/1 [=====] - 0s 83ms/step
>6227, dr[0.646,0.621], df[0.769,0.039], g[0.944,0.089]
1/1 [=====] - 0s 77ms/step
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>6228, dr[0.633,0.441], df[0.665,0.038], g[1.006,0.046]
1/1 [=====] - 0s 77ms/step
>6229, dr[0.678,0.837], df[0.563,0.038], g[0.977,0.033]
1/1 [=====] - 0s 79ms/step
>6230, dr[0.656,0.407], df[0.609,0.040], g[0.917,0.020]
1/1 [=====] - 0s 82ms/step
>6231, dr[0.627,0.161], df[0.663,0.041], g[0.936,0.033]
1/1 [=====] - 0s 91ms/step
>6232, dr[0.719,0.671], df[0.770,0.070], g[0.978,0.042]
1/1 [=====] - 0s 100ms/step
>6233, dr[0.742,0.895], df[0.732,0.032], g[0.974,0.045]
1/1 [=====] - 0s 89ms/step
>6234, dr[0.815,0.423], df[0.695,0.047], g[0.828,0.046]
1/1 [=====] - 0s 93ms/step
>6235, dr[0.572,0.356], df[0.714,0.037], g[1.047,0.035]
1/1 [=====] - 0s 103ms/step
>6236, dr[0.624,0.636], df[0.531,0.036], g[0.931,0.032]
1/1 [=====] - 0s 88ms/step
>6237, dr[0.854,0.702], df[0.685,0.073], g[0.880,0.034]
1/1 [=====] - 0s 89ms/step
>6238, dr[0.680,0.519], df[0.743,0.039], g[0.931,0.042]
1/1 [=====] - 0s 96ms/step
>6239, dr[0.592,0.331], df[0.671,0.092], g[0.863,0.044]
1/1 [=====] - 0s 90ms/step
>6240, dr[0.690,0.526], df[0.709,0.035], g[0.947,0.041]
1/1 [=====] - 0s 88ms/step
>6241, dr[0.592,0.644], df[0.747,0.040], g[0.861,0.079]
1/1 [=====] - 0s 79ms/step
>6242, dr[0.594,0.396], df[0.763,0.034], g[0.966,0.052]
1/1 [=====] - 0s 76ms/step
>6243, dr[0.656,0.360], df[0.617,0.042], g[1.032,0.048]
1/1 [=====] - 0s 103ms/step
>6244, dr[0.740,0.720], df[0.625,0.027], g[0.919,0.071]
1/1 [=====] - 0s 85ms/step
>6245, dr[0.681,0.791], df[0.627,0.043], g[0.987,0.036]
1/1 [=====] - 0s 85ms/step
>6246, dr[0.827,0.467], df[0.697,0.064], g[0.899,0.024]
1/1 [=====] - 0s 81ms/step
>6247, dr[0.636,0.385], df[0.697,0.035], g[0.939,0.055]
1/1 [=====] - 0s 88ms/step
>6248, dr[0.670,0.453], df[0.773,0.032], g[0.960,0.047]
1/1 [=====] - 0s 81ms/step
>6249, dr[0.611,0.239], df[0.739,0.022], g[1.058,0.039]
1/1 [=====] - 0s 85ms/step
>6250, dr[0.667,0.484], df[0.639,0.018], g[0.945,0.059]
1/1 [=====] - 0s 81ms/step
>6251, dr[0.569,0.578], df[0.599,0.019], g[1.019,0.049]
1/1 [=====] - 0s 77ms/step
>6252, dr[0.767,0.368], df[0.622,0.075], g[0.981,0.047]
1/1 [=====] - 0s 82ms/step
>6253, dr[0.704,0.742], df[0.726,0.063], g[0.985,0.031]
1/1 [=====] - 0s 78ms/step
>6254, dr[0.765,0.457], df[0.740,0.051], g[0.868,0.027]
1/1 [=====] - 0s 82ms/step
>6255, dr[0.686,0.552], df[0.755,0.048], g[0.960,0.057]
1/1 [=====] - 0s 86ms/step
>6256, dr[0.516,0.469], df[0.652,0.028], g[1.089,0.067]
1/1 [=====] - 0s 79ms/step
>6257, dr[0.680,0.827], df[0.685,0.029], g[1.078,0.035]
1/1 [=====] - 0s 77ms/step
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>6258, dr[0.876,0.366], df[0.697,0.022], g[0.985,0.029]
1/1 [=====] - 0s 80ms/step
>6259, dr[0.718,0.308], df[0.636,0.024], g[0.894,0.038]
1/1 [=====] - 0s 86ms/step
>6260, dr[0.669,0.627], df[0.676,0.047], g[1.026,0.013]
1/1 [=====] - 0s 83ms/step
>6261, dr[0.752,1.320], df[0.615,0.011], g[0.863,0.030]
1/1 [=====] - 0s 77ms/step
>6262, dr[0.658,0.534], df[0.775,0.113], g[0.882,0.099]
1/1 [=====] - 0s 79ms/step
>6263, dr[0.639,0.543], df[0.704,0.037], g[0.858,0.030]
1/1 [=====] - 0s 76ms/step
>6264, dr[0.534,0.115], df[0.870,0.023], g[1.009,0.027]
1/1 [=====] - 0s 79ms/step
>6265, dr[0.747,0.305], df[0.685,0.026], g[0.876,0.067]
1/1 [=====] - 0s 84ms/step
>6266, dr[0.685,0.537], df[0.713,0.016], g[0.979,0.043]
1/1 [=====] - 0s 80ms/step
>6267, dr[0.619,0.170], df[0.607,0.070], g[0.905,0.038]
1/1 [=====] - 0s 75ms/step
>6268, dr[0.665,0.344], df[0.589,0.017], g[0.946,0.025]
1/1 [=====] - 0s 84ms/step
>6269, dr[0.647,0.662], df[0.663,0.033], g[0.920,0.068]
1/1 [=====] - 0s 78ms/step
>6270, dr[0.654,0.534], df[0.646,0.024], g[0.899,0.051]
1/1 [=====] - 0s 78ms/step
>6271, dr[0.552,0.474], df[0.659,0.034], g[0.914,0.053]
1/1 [=====] - 0s 80ms/step
>6272, dr[0.586,0.416], df[0.675,0.017], g[0.844,0.027]
1/1 [=====] - 0s 81ms/step
>6273, dr[0.661,0.562], df[0.635,0.065], g[1.042,0.059]
1/1 [=====] - 0s 94ms/step
>6274, dr[0.623,0.351], df[0.697,0.038], g[0.984,0.071]
1/1 [=====] - 0s 85ms/step
>6275, dr[0.624,0.352], df[0.601,0.037], g[0.928,0.042]
1/1 [=====] - 0s 81ms/step
>6276, dr[0.695,0.813], df[0.603,0.032], g[0.894,0.087]
1/1 [=====] - 0s 85ms/step
>6277, dr[0.735,0.611], df[0.682,0.018], g[0.890,0.025]
1/1 [=====] - 0s 78ms/step
>6278, dr[0.690,0.750], df[0.793,0.024], g[1.072,0.027]
1/1 [=====] - 0s 78ms/step
>6279, dr[0.668,0.382], df[0.784,0.034], g[0.960,0.057]
1/1 [=====] - 0s 83ms/step
>6280, dr[0.829,0.524], df[0.612,0.050], g[0.866,0.022]
1/1 [=====] - 0s 82ms/step
>6281, dr[0.584,0.618], df[0.756,0.041], g[0.877,0.042]
1/1 [=====] - 0s 83ms/step
>6282, dr[0.679,0.521], df[0.716,0.050], g[0.943,0.034]
1/1 [=====] - 0s 80ms/step
>6283, dr[0.770,0.556], df[0.639,0.048], g[0.964,0.047]
1/1 [=====] - 0s 80ms/step
>6284, dr[0.686,0.816], df[0.745,0.029], g[0.888,0.056]
1/1 [=====] - 0s 103ms/step
>6285, dr[0.669,0.525], df[0.680,0.034], g[0.941,0.058]
1/1 [=====] - 0s 77ms/step
>6286, dr[0.581,0.526], df[0.751,0.049], g[0.923,0.045]
1/1 [=====] - 0s 89ms/step
>6287, dr[0.653,0.607], df[0.595,0.021], g[0.907,0.048]
1/1 [=====] - 0s 102ms/step
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>6288, dr[0.744,0.830], df[0.758,0.074], g[0.918,0.040]
1/1 [=====] - 0s 83ms/step
>6289, dr[0.617,0.572], df[0.748,0.033], g[0.982,0.143]
1/1 [=====] - 0s 85ms/step
>6290, dr[0.661,0.314], df[0.621,0.016], g[0.879,0.047]
1/1 [=====] - 0s 105ms/step
>6291, dr[0.655,0.360], df[0.696,0.085], g[0.955,0.040]
1/1 [=====] - 0s 95ms/step
>6292, dr[0.677,0.642], df[0.662,0.024], g[0.893,0.031]
1/1 [=====] - 0s 88ms/step
>6293, dr[0.682,0.644], df[0.632,0.026], g[0.854,0.031]
1/1 [=====] - 0s 81ms/step
>6294, dr[0.632,0.383], df[0.717,0.104], g[0.875,0.098]
1/1 [=====] - 0s 178ms/step
>6295, dr[0.741,0.553], df[0.697,0.062], g[0.908,0.047]
1/1 [=====] - 0s 94ms/step
>6296, dr[0.699,0.341], df[0.615,0.028], g[1.046,0.031]
1/1 [=====] - 0s 97ms/step
>6297, dr[0.658,0.340], df[0.681,0.040], g[0.899,0.029]
1/1 [=====] - 0s 116ms/step
>6298, dr[0.596,0.638], df[0.670,0.064], g[0.949,0.097]
1/1 [=====] - 0s 95ms/step
>6299, dr[0.676,0.182], df[0.766,0.036], g[1.008,0.077]
1/1 [=====] - 0s 111ms/step
>6300, dr[0.785,0.455], df[0.630,0.029], g[0.924,0.040]
1/1 [=====] - 0s 97ms/step
>6301, dr[0.678,0.260], df[0.734,0.025], g[0.944,0.034]
1/1 [=====] - 0s 104ms/step
>6302, dr[0.708,0.378], df[0.759,0.023], g[1.032,0.031]
1/1 [=====] - 0s 113ms/step
>6303, dr[0.724,0.772], df[0.645,0.035], g[0.950,0.024]
1/1 [=====] - 0s 93ms/step
>6304, dr[0.630,0.408], df[0.630,0.070], g[0.899,0.052]
1/1 [=====] - 0s 114ms/step
>6305, dr[0.695,0.564], df[0.725,0.024], g[0.929,0.083]
1/1 [=====] - 0s 100ms/step
>6306, dr[0.618,0.468], df[0.753,0.060], g[0.843,0.055]
1/1 [=====] - 0s 93ms/step
>6307, dr[0.587,0.234], df[0.553,0.025], g[0.878,0.073]
1/1 [=====] - 0s 96ms/step
>6308, dr[0.680,0.805], df[0.602,0.036], g[0.895,0.046]
1/1 [=====] - 0s 111ms/step
>6309, dr[0.641,0.925], df[0.635,0.025], g[0.967,0.050]
1/1 [=====] - 0s 90ms/step
>6310, dr[0.617,0.486], df[0.666,0.016], g[0.995,0.036]
1/1 [=====] - 0s 99ms/step
>6311, dr[0.590,0.739], df[0.583,0.015], g[0.961,0.027]
1/1 [=====] - 0s 87ms/step
>6312, dr[0.689,0.262], df[0.771,0.031], g[0.907,0.102]
1/1 [=====] - 0s 98ms/step
>6313, dr[0.606,1.085], df[0.692,0.033], g[1.036,0.028]
1/1 [=====] - 0s 100ms/step
>6314, dr[0.676,0.447], df[0.718,0.028], g[0.865,0.045]
1/1 [=====] - 0s 89ms/step
>6315, dr[0.554,0.719], df[0.598,0.021], g[0.913,0.028]
1/1 [=====] - 0s 88ms/step
>6316, dr[0.667,0.403], df[0.643,0.021], g[1.012,0.022]
1/1 [=====] - 0s 93ms/step
>6317, dr[0.686,0.192], df[0.721,0.022], g[0.964,0.021]
1/1 [=====] - 0s 88ms/step
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>6318, dr[0.639,0.355], df[0.677,0.018], g[1.092,0.028]
1/1 [=====] - 0s 83ms/step
>6319, dr[0.668,0.606], df[0.614,0.021], g[0.896,0.058]
1/1 [=====] - 0s 76ms/step
>6320, dr[0.643,0.331], df[0.558,0.041], g[0.873,0.020]
1/1 [=====] - 0s 155ms/step
>6321, dr[0.543,0.622], df[0.687,0.053], g[0.945,0.043]
1/1 [=====] - 0s 91ms/step
>6322, dr[0.596,0.342], df[0.697,0.022], g[0.951,0.045]
1/1 [=====] - 0s 78ms/step
>6323, dr[0.613,0.572], df[0.530,0.083], g[0.876,0.090]
1/1 [=====] - 0s 88ms/step
>6324, dr[0.785,0.536], df[0.799,0.058], g[0.923,0.057]
1/1 [=====] - 0s 93ms/step
>6325, dr[0.709,0.667], df[0.734,0.017], g[0.934,0.037]
1/1 [=====] - 0s 96ms/step
>6326, dr[0.630,0.297], df[0.673,0.045], g[0.973,0.042]
1/1 [=====] - 0s 77ms/step
>6327, dr[0.727,0.388], df[0.726,0.031], g[0.882,0.055]
1/1 [=====] - 0s 77ms/step
>6328, dr[0.611,0.359], df[0.584,0.015], g[0.908,0.053]
1/1 [=====] - 0s 88ms/step
>6329, dr[0.663,0.530], df[0.690,0.066], g[0.876,0.037]
1/1 [=====] - 0s 88ms/step
>6330, dr[0.680,0.566], df[0.724,0.051], g[0.861,0.054]
1/1 [=====] - 0s 97ms/step
>6331, dr[0.732,0.529], df[0.671,0.056], g[0.860,0.085]
1/1 [=====] - 0s 90ms/step
>6332, dr[0.663,0.895], df[0.754,0.060], g[1.002,0.022]
1/1 [=====] - 0s 87ms/step
>6333, dr[0.631,0.363], df[0.704,0.113], g[1.085,0.035]
1/1 [=====] - 0s 106ms/step
>6334, dr[0.526,0.445], df[0.589,0.022], g[1.028,0.047]
1/1 [=====] - 0s 112ms/step
>6335, dr[0.681,0.709], df[0.628,0.033], g[0.948,0.047]
1/1 [=====] - 0s 94ms/step
>6336, dr[0.696,0.371], df[0.664,0.028], g[0.992,0.044]
1/1 [=====] - 0s 88ms/step
>6337, dr[0.681,0.864], df[0.773,0.035], g[1.023,0.036]
1/1 [=====] - 0s 83ms/step
>6338, dr[0.663,0.287], df[0.620,0.037], g[0.920,0.055]
1/1 [=====] - 0s 81ms/step
>6339, dr[0.764,0.664], df[0.636,0.036], g[0.995,0.021]
1/1 [=====] - 0s 79ms/step
>6340, dr[0.828,0.348], df[0.713,0.066], g[0.857,0.038]
1/1 [=====] - 0s 83ms/step
>6341, dr[0.689,0.583], df[0.713,0.056], g[0.850,0.030]
1/1 [=====] - 0s 81ms/step
>6342, dr[0.523,0.488], df[0.769,0.045], g[0.999,0.059]
1/1 [=====] - 0s 83ms/step
>6343, dr[0.798,0.770], df[0.566,0.032], g[0.809,0.027]
1/1 [=====] - 0s 78ms/step
>6344, dr[0.614,0.377], df[0.683,0.041], g[0.966,0.091]
1/1 [=====] - 0s 78ms/step
>6345, dr[0.650,0.811], df[0.628,0.039], g[0.977,0.031]
1/1 [=====] - 0s 88ms/step
>6346, dr[0.742,0.210], df[0.711,0.040], g[1.042,0.020]
1/1 [=====] - 0s 77ms/step
>6347, dr[0.740,0.745], df[0.660,0.034], g[0.885,0.032]
1/1 [=====] - 0s 77ms/step
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>6348, dr[0.563,0.960], df[0.711,0.034], g[0.922,0.026]
1/1 [=====] - 0s 81ms/step
>6349, dr[0.624,0.494], df[0.641,0.044], g[0.894,0.036]
1/1 [=====] - 0s 79ms/step
>6350, dr[0.671,0.289], df[0.736,0.064], g[0.929,0.055]
1/1 [=====] - 0s 82ms/step
>6351, dr[0.877,0.664], df[0.661,0.034], g[1.013,0.068]
1/1 [=====] - 0s 81ms/step
>6352, dr[0.613,0.443], df[0.605,0.046], g[0.893,0.019]
1/1 [=====] - 0s 78ms/step
>6353, dr[0.621,0.702], df[0.655,0.044], g[0.963,0.045]
1/1 [=====] - 0s 88ms/step
>6354, dr[0.713,0.261], df[0.634,0.061], g[0.945,0.061]
1/1 [=====] - 0s 83ms/step
>6355, dr[0.596,0.575], df[0.681,0.044], g[0.878,0.030]
1/1 [=====] - 0s 78ms/step
>6356, dr[0.702,0.521], df[0.669,0.023], g[0.911,0.033]
1/1 [=====] - 0s 77ms/step
>6357, dr[0.599,0.232], df[0.764,0.024], g[0.786,0.036]
1/1 [=====] - 0s 88ms/step
>6358, dr[0.680,0.356], df[0.607,0.026], g[0.933,0.049]
1/1 [=====] - 0s 84ms/step
>6359, dr[0.556,0.226], df[0.704,0.056], g[0.919,0.058]
1/1 [=====] - 0s 79ms/step
>6360, dr[0.702,0.430], df[0.742,0.074], g[1.040,0.051]
1/1 [=====] - 0s 89ms/step
>6361, dr[0.799,0.358], df[0.586,0.020], g[0.894,0.049]
1/1 [=====] - 0s 88ms/step
>6362, dr[0.685,0.608], df[0.638,0.084], g[0.912,0.045]
1/1 [=====] - 0s 77ms/step
>6363, dr[0.560,0.599], df[0.832,0.119], g[0.874,0.046]
1/1 [=====] - 0s 81ms/step
>6364, dr[0.619,0.708], df[0.681,0.059], g[0.945,0.043]
1/1 [=====] - 0s 79ms/step
>6365, dr[0.706,0.545], df[0.674,0.041], g[0.974,0.034]
1/1 [=====] - 0s 80ms/step
>6366, dr[0.781,0.611], df[0.676,0.022], g[0.921,0.034]
1/1 [=====] - 0s 85ms/step
>6367, dr[0.641,0.404], df[0.721,0.028], g[0.949,0.026]
1/1 [=====] - 0s 87ms/step
>6368, dr[0.685,0.305], df[0.723,0.049], g[0.976,0.032]
1/1 [=====] - 0s 76ms/step
>6369, dr[0.563,1.067], df[0.699,0.043], g[0.960,0.042]
1/1 [=====] - 0s 85ms/step
>6370, dr[0.787,0.658], df[0.693,0.039], g[1.018,0.106]
1/1 [=====] - 0s 78ms/step
>6371, dr[0.762,0.277], df[0.710,0.034], g[0.883,0.180]
1/1 [=====] - 0s 87ms/step
>6372, dr[0.577,0.257], df[0.631,0.023], g[0.954,0.055]
1/1 [=====] - 0s 82ms/step
>6373, dr[0.616,0.248], df[0.698,0.045], g[0.972,0.024]
1/1 [=====] - 0s 78ms/step
>6374, dr[0.841,0.513], df[0.756,0.050], g[0.945,0.025]
1/1 [=====] - 0s 84ms/step
>6375, dr[0.748,0.414], df[0.761,0.023], g[0.965,0.158]
1/1 [=====] - 0s 77ms/step
>6376, dr[0.673,0.884], df[0.659,0.082], g[0.914,0.019]
1/1 [=====] - 0s 79ms/step
>6377, dr[0.723,0.678], df[0.651,0.082], g[0.939,0.042]
1/1 [=====] - 0s 79ms/step
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>6378, dr[0.674,0.313], df[0.649,0.024], g[0.894,0.041]
1/1 [=====] - 0s 98ms/step
>6379, dr[0.710,0.734], df[0.728,0.019], g[0.885,0.044]
1/1 [=====] - 0s 102ms/step
>6380, dr[0.598,0.498], df[0.696,0.046], g[0.973,0.036]
1/1 [=====] - 0s 89ms/step
>6381, dr[0.602,0.556], df[0.718,0.027], g[0.975,0.035]
1/1 [=====] - 0s 97ms/step
>6382, dr[0.664,0.535], df[0.631,0.049], g[0.975,0.049]
1/1 [=====] - 0s 97ms/step
>6383, dr[0.731,0.373], df[0.671,0.036], g[0.928,0.044]
1/1 [=====] - 0s 82ms/step
>6384, dr[0.599,0.234], df[0.725,0.030], g[1.016,0.036]
1/1 [=====] - 0s 78ms/step
>6385, dr[0.671,0.695], df[0.569,0.019], g[1.024,0.015]
1/1 [=====] - 0s 84ms/step
>6386, dr[0.751,0.283], df[0.590,0.022], g[0.897,0.053]
1/1 [=====] - 0s 82ms/step
>6387, dr[0.671,0.645], df[0.658,0.036], g[0.887,0.027]
1/1 [=====] - 0s 79ms/step
>6388, dr[0.686,0.280], df[0.831,0.030], g[0.921,0.043]
1/1 [=====] - 0s 83ms/step
>6389, dr[0.567,0.410], df[0.654,0.038], g[1.030,0.023]
1/1 [=====] - 0s 83ms/step
>6390, dr[0.658,0.690], df[0.693,0.017], g[0.936,0.067]
1/1 [=====] - 0s 84ms/step
>6391, dr[0.663,0.513], df[0.718,0.029], g[0.874,0.042]
1/1 [=====] - 0s 77ms/step
>6392, dr[0.691,0.361], df[0.660,0.013], g[1.016,0.045]
1/1 [=====] - 0s 80ms/step
>6393, dr[0.685,0.450], df[0.679,0.031], g[0.848,0.031]
1/1 [=====] - 0s 85ms/step
>6394, dr[0.722,0.493], df[0.701,0.015], g[0.913,0.024]
1/1 [=====] - 0s 78ms/step
>6395, dr[0.604,0.387], df[0.653,0.018], g[0.996,0.016]
1/1 [=====] - 0s 77ms/step
>6396, dr[0.697,0.672], df[0.743,0.061], g[0.936,0.059]
1/1 [=====] - 0s 84ms/step
>6397, dr[0.544,0.568], df[0.670,0.070], g[0.949,0.053]
1/1 [=====] - 0s 85ms/step
>6398, dr[0.596,0.583], df[0.725,0.018], g[1.069,0.034]
1/1 [=====] - 0s 92ms/step
>6399, dr[0.712,0.940], df[0.603,0.056], g[0.987,0.027]
1/1 [=====] - 0s 88ms/step
>6400, dr[0.853,0.737], df[0.723,0.031], g[0.902,0.031]
1/1 [=====] - 0s 88ms/step
>6401, dr[0.723,0.618], df[0.671,0.017], g[0.957,0.022]
1/1 [=====] - 0s 86ms/step
>6402, dr[0.670,0.597], df[0.703,0.055], g[0.887,0.057]
1/1 [=====] - 0s 85ms/step
>6403, dr[0.728,0.321], df[0.724,0.048], g[0.885,0.067]
1/1 [=====] - 0s 89ms/step
>6404, dr[0.602,0.754], df[0.728,0.022], g[0.990,0.057]
1/1 [=====] - 0s 88ms/step
>6405, dr[0.686,0.411], df[0.633,0.034], g[0.942,0.051]
1/1 [=====] - 0s 87ms/step
>6406, dr[0.599,0.325], df[0.626,0.051], g[0.988,0.048]
1/1 [=====] - 0s 84ms/step
>6407, dr[0.672,0.735], df[0.613,0.113], g[0.925,0.075]
1/1 [=====] - 0s 91ms/step
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>6408, dr[0.734,0.454], df[0.675,0.028], g[0.854,0.075]
1/1 [=====] - 0s 81ms/step
>6409, dr[0.636,0.358], df[0.820,0.024], g[0.971,0.057]
1/1 [=====] - 0s 88ms/step
>6410, dr[0.745,0.844], df[0.692,0.032], g[0.884,0.021]
1/1 [=====] - 0s 90ms/step
>6411, dr[0.570,0.215], df[0.742,0.025], g[0.988,0.034]
1/1 [=====] - 0s 88ms/step
>6412, dr[0.692,0.307], df[0.702,0.023], g[0.950,0.027]
1/1 [=====] - 0s 91ms/step
>6413, dr[0.745,0.200], df[0.683,0.023], g[0.968,0.025]
1/1 [=====] - 0s 87ms/step
>6414, dr[0.682,0.339], df[0.816,0.025], g[0.885,0.042]
1/1 [=====] - 0s 78ms/step
>6415, dr[0.675,0.369], df[0.779,0.037], g[0.922,0.084]
1/1 [=====] - 0s 81ms/step
>6416, dr[0.745,0.428], df[0.671,0.032], g[0.978,0.040]
1/1 [=====] - 0s 87ms/step
>6417, dr[0.608,0.391], df[0.904,0.026], g[0.956,0.035]
1/1 [=====] - 0s 79ms/step
>6418, dr[0.795,0.525], df[0.748,0.086], g[1.032,0.047]
1/1 [=====] - 0s 78ms/step
>6419, dr[0.703,0.553], df[0.647,0.023], g[0.905,0.038]
1/1 [=====] - 0s 86ms/step
>6420, dr[0.609,0.447], df[0.646,0.049], g[0.828,0.053]
1/1 [=====] - 0s 91ms/step
>6421, dr[0.716,0.684], df[0.578,0.033], g[0.905,0.046]
1/1 [=====] - 0s 85ms/step
>6422, dr[0.723,0.585], df[0.635,0.043], g[0.895,0.085]
1/1 [=====] - 0s 80ms/step
>6423, dr[0.602,0.709], df[0.667,0.018], g[0.962,0.056]
1/1 [=====] - 0s 79ms/step
>6424, dr[0.647,0.329], df[0.778,0.023], g[0.977,0.039]
1/1 [=====] - 0s 84ms/step
>6425, dr[0.682,1.285], df[0.688,0.043], g[0.881,0.032]
1/1 [=====] - 0s 81ms/step
>6426, dr[0.624,0.550], df[0.695,0.033], g[1.010,0.038]
1/1 [=====] - 0s 80ms/step
>6427, dr[0.580,0.296], df[0.767,0.027], g[1.065,0.079]
1/1 [=====] - 0s 84ms/step
>6428, dr[0.748,1.180], df[0.659,0.034], g[0.987,0.036]
1/1 [=====] - 0s 85ms/step
>6429, dr[0.712,0.569], df[0.607,0.036], g[0.970,0.058]
1/1 [=====] - 0s 77ms/step
>6430, dr[0.715,0.449], df[0.732,0.046], g[0.941,0.030]
1/1 [=====] - 0s 78ms/step
>6431, dr[0.557,0.422], df[0.666,0.022], g[1.051,0.035]
1/1 [=====] - 0s 76ms/step
>6432, dr[0.683,0.399], df[0.672,0.027], g[1.034,0.026]
1/1 [=====] - 0s 86ms/step
>6433, dr[0.603,0.342], df[0.676,0.030], g[0.976,0.026]
1/1 [=====] - 0s 88ms/step
>6434, dr[0.763,0.534], df[0.694,0.046], g[0.927,0.041]
1/1 [=====] - 0s 77ms/step
>6435, dr[0.543,0.335], df[0.546,0.038], g[1.059,0.049]
1/1 [=====] - 0s 87ms/step
>6436, dr[0.724,0.566], df[0.640,0.058], g[0.911,0.042]
1/1 [=====] - 0s 79ms/step
>6437, dr[0.688,0.445], df[0.691,0.031], g[0.954,0.108]
1/1 [=====] - 0s 79ms/step
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>6438, dr[0.583,0.643], df[0.748,0.198], g[0.928,0.049]
1/1 [=====] - 0s 84ms/step
>6439, dr[0.609,0.203], df[0.693,0.040], g[1.067,0.061]
1/1 [=====] - 0s 83ms/step
>6440, dr[0.722,0.499], df[0.731,0.039], g[0.944,0.042]
1/1 [=====] - 0s 85ms/step
>6441, dr[0.725,0.866], df[0.649,0.024], g[0.967,0.040]
1/1 [=====] - 0s 87ms/step
>6442, dr[0.724,0.584], df[0.810,0.022], g[0.901,0.037]
1/1 [=====] - 0s 77ms/step
>6443, dr[0.730,0.462], df[0.700,0.026], g[1.061,0.034]
1/1 [=====] - 0s 90ms/step
>6444, dr[0.565,0.352], df[0.693,0.037], g[0.990,0.054]
1/1 [=====] - 0s 77ms/step
>6445, dr[0.868,0.623], df[0.677,0.025], g[1.003,0.034]
1/1 [=====] - 0s 79ms/step
>6446, dr[0.629,0.540], df[0.806,0.068], g[0.950,0.059]
1/1 [=====] - 0s 86ms/step
>6447, dr[0.709,0.441], df[0.680,0.056], g[0.873,0.047]
1/1 [=====] - 0s 77ms/step
>6448, dr[0.685,0.664], df[0.660,0.032], g[0.912,0.031]
1/1 [=====] - 0s 86ms/step
>6449, dr[0.646,0.510], df[0.664,0.019], g[0.881,0.097]
1/1 [=====] - 0s 80ms/step
>6450, dr[0.707,0.533], df[0.733,0.049], g[0.972,0.040]
1/1 [=====] - 0s 77ms/step
>6451, dr[0.620,0.335], df[0.689,0.029], g[0.872,0.072]
1/1 [=====] - 0s 82ms/step
>6452, dr[0.642,0.392], df[0.658,0.055], g[1.046,0.047]
1/1 [=====] - 0s 79ms/step
>6453, dr[0.792,1.038], df[0.648,0.020], g[0.996,0.032]
1/1 [=====] - 0s 81ms/step
>6454, dr[0.568,0.562], df[0.733,0.013], g[0.985,0.020]
1/1 [=====] - 0s 85ms/step
>6455, dr[0.751,0.697], df[0.731,0.031], g[1.031,0.032]
1/1 [=====] - 0s 78ms/step
>6456, dr[0.615,0.209], df[0.557,0.053], g[0.976,0.039]
1/1 [=====] - 0s 80ms/step
>6457, dr[0.761,0.696], df[0.670,0.031], g[0.998,0.035]
1/1 [=====] - 0s 85ms/step
>6458, dr[0.708,0.508], df[0.747,0.057], g[0.955,0.055]
1/1 [=====] - 0s 81ms/step
>6459, dr[0.672,0.230], df[0.773,0.025], g[0.949,0.032]
1/1 [=====] - 0s 85ms/step
>6460, dr[0.743,0.512], df[0.617,0.021], g[0.944,0.040]
1/1 [=====] - 0s 85ms/step
>6461, dr[0.632,0.946], df[0.662,0.043], g[0.978,0.053]
1/1 [=====] - 0s 79ms/step
>6462, dr[0.732,0.655], df[0.691,0.067], g[1.079,0.044]
1/1 [=====] - 0s 87ms/step
>6463, dr[0.771,0.388], df[0.769,0.034], g[0.859,0.022]
1/1 [=====] - 0s 79ms/step
>6464, dr[0.670,0.469], df[0.700,0.035], g[1.034,0.031]
1/1 [=====] - 0s 83ms/step
>6465, dr[0.769,0.407], df[0.762,0.036], g[1.102,0.034]
1/1 [=====] - 0s 83ms/step
>6466, dr[0.773,0.339], df[0.687,0.049], g[0.893,0.034]
1/1 [=====] - 0s 80ms/step
>6467, dr[0.670,0.560], df[0.694,0.046], g[0.819,0.044]
1/1 [=====] - 0s 85ms/step
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>6468, dr[0.626,0.533], df[0.587,0.024], g[0.889,0.091]
1/1 [=====] - 0s 79ms/step
>6469, dr[0.605,0.464], df[0.739,0.067], g[0.896,0.044]
1/1 [=====] - 0s 80ms/step
>6470, dr[0.677,0.474], df[0.596,0.024], g[1.022,0.083]
1/1 [=====] - 0s 86ms/step
>6471, dr[0.704,0.287], df[0.720,0.032], g[0.916,0.021]
1/1 [=====] - 0s 77ms/step
>6472, dr[0.707,0.667], df[0.577,0.035], g[0.889,0.045]
1/1 [=====] - 0s 84ms/step
>6473, dr[0.665,0.674], df[0.666,0.038], g[0.938,0.030]
1/1 [=====] - 0s 79ms/step
>6474, dr[0.643,0.584], df[0.654,0.034], g[0.755,0.063]
1/1 [=====] - 0s 77ms/step
>6475, dr[0.544,0.314], df[0.646,0.018], g[0.914,0.033]
1/1 [=====] - 0s 88ms/step
>6476, dr[0.614,0.682], df[0.619,0.074], g[0.851,0.044]
1/1 [=====] - 0s 79ms/step
>6477, dr[0.633,0.440], df[0.721,0.056], g[0.870,0.036]
1/1 [=====] - 0s 85ms/step
>6478, dr[0.615,0.438], df[0.717,0.028], g[0.886,0.035]
1/1 [=====] - 0s 88ms/step
>6479, dr[0.720,0.785], df[0.579,0.040], g[0.923,0.032]
1/1 [=====] - 0s 80ms/step
>6480, dr[0.636,0.427], df[0.630,0.086], g[0.937,0.047]
1/1 [=====] - 0s 82ms/step
>6481, dr[0.614,0.593], df[0.630,0.035], g[0.982,0.046]
1/1 [=====] - 0s 81ms/step
>6482, dr[0.662,0.415], df[0.764,0.026], g[1.097,0.044]
1/1 [=====] - 0s 77ms/step
>6483, dr[0.611,0.590], df[0.690,0.078], g[0.992,0.030]
1/1 [=====] - 0s 88ms/step
>6484, dr[0.647,0.520], df[0.569,0.024], g[1.016,0.019]
1/1 [=====] - 0s 85ms/step
>6485, dr[0.598,0.466], df[0.667,0.080], g[0.877,0.016]
1/1 [=====] - 0s 78ms/step
>6486, dr[0.668,0.560], df[0.736,0.050], g[0.936,0.055]
1/1 [=====] - 0s 85ms/step
>6487, dr[0.698,0.608], df[0.644,0.068], g[0.923,0.025]
1/1 [=====] - 0s 79ms/step
>6488, dr[0.700,0.695], df[0.593,0.050], g[1.095,0.028]
1/1 [=====] - 0s 81ms/step
>6489, dr[0.789,0.523], df[0.747,0.040], g[0.921,0.025]
1/1 [=====] - 0s 81ms/step
>6490, dr[0.638,0.849], df[0.745,0.052], g[0.909,0.028]
1/1 [=====] - 0s 88ms/step
>6491, dr[0.681,0.308], df[0.726,0.110], g[0.962,0.025]
1/1 [=====] - 0s 86ms/step
>6492, dr[0.773,0.403], df[0.753,0.025], g[0.861,0.073]
1/1 [=====] - 0s 77ms/step
>6493, dr[0.711,0.801], df[0.698,0.037], g[0.936,0.055]
1/1 [=====] - 0s 77ms/step
>6494, dr[0.599,0.416], df[0.794,0.025], g[0.935,0.051]
1/1 [=====] - 0s 88ms/step
>6495, dr[0.699,0.721], df[0.717,0.031], g[0.946,0.021]
1/1 [=====] - 0s 78ms/step
>6496, dr[0.744,0.501], df[0.700,0.042], g[0.881,0.065]
1/1 [=====] - 0s 88ms/step
>6497, dr[0.669,0.892], df[0.759,0.019], g[0.917,0.025]
1/1 [=====] - 0s 84ms/step
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>6498, dr[0.657,0.646], df[0.662,0.063], g[0.968,0.061]
1/1 [=====] - 0s 82ms/step
>6499, dr[0.570,0.485], df[0.599,0.031], g[0.992,0.052]
1/1 [=====] - 0s 90ms/step
>6500, dr[0.825,0.427], df[0.664,0.022], g[0.976,0.045]
1/1 [=====] - 0s 87ms/step
>6501, dr[0.632,0.480], df[0.547,0.021], g[0.881,0.059]
1/1 [=====] - 0s 108ms/step
>6502, dr[0.591,0.511], df[0.766,0.096], g[0.927,0.051]
1/1 [=====] - 0s 97ms/step
>6503, dr[0.544,0.450], df[0.606,0.027], g[0.846,0.048]
1/1 [=====] - 0s 99ms/step
>6504, dr[0.635,0.634], df[0.737,0.079], g[1.014,0.026]
1/1 [=====] - 0s 90ms/step
>6505, dr[0.799,1.014], df[0.662,0.036], g[0.927,0.062]
1/1 [=====] - 0s 82ms/step
>6506, dr[0.576,0.527], df[0.763,0.091], g[0.986,0.048]
1/1 [=====] - 0s 81ms/step
>6507, dr[0.700,0.973], df[0.736,0.105], g[0.918,0.105]
1/1 [=====] - 0s 82ms/step
>6508, dr[0.581,0.359], df[0.660,0.040], g[1.047,0.032]
1/1 [=====] - 0s 78ms/step
>6509, dr[0.750,0.527], df[0.739,0.032], g[1.045,0.080]
1/1 [=====] - 0s 92ms/step
>6510, dr[0.801,0.925], df[0.577,0.014], g[0.898,0.033]
1/1 [=====] - 0s 78ms/step
>6511, dr[0.705,0.470], df[0.747,0.009], g[0.889,0.039]
1/1 [=====] - 0s 77ms/step
>6512, dr[0.608,0.798], df[0.711,0.024], g[0.852,0.042]
1/1 [=====] - 0s 91ms/step
>6513, dr[0.665,0.633], df[0.630,0.043], g[0.907,0.066]
1/1 [=====] - 0s 82ms/step
>6514, dr[0.660,0.404], df[0.743,0.106], g[0.863,0.059]
1/1 [=====] - 0s 81ms/step
>6515, dr[0.748,0.529], df[0.671,0.058], g[0.951,0.036]
1/1 [=====] - 0s 99ms/step
>6516, dr[0.750,0.601], df[0.717,0.081], g[0.964,0.030]
1/1 [=====] - 0s 85ms/step
>6517, dr[0.572,0.360], df[0.684,0.026], g[0.889,0.028]
1/1 [=====] - 0s 93ms/step
>6518, dr[0.550,0.244], df[0.717,0.034], g[0.937,0.041]
1/1 [=====] - 0s 79ms/step
>6519, dr[0.606,0.220], df[0.654,0.041], g[0.977,0.072]
1/1 [=====] - 0s 87ms/step
>6520, dr[0.710,0.223], df[0.741,0.032], g[1.019,0.016]
1/1 [=====] - 0s 87ms/step
>6521, dr[0.967,0.761], df[0.730,0.037], g[0.964,0.027]
1/1 [=====] - 0s 82ms/step
>6522, dr[0.581,0.335], df[0.653,0.032], g[0.843,0.050]
1/1 [=====] - 0s 87ms/step
>6523, dr[0.748,0.529], df[0.697,0.022], g[0.941,0.044]
1/1 [=====] - 0s 93ms/step
>6524, dr[0.672,0.406], df[0.594,0.035], g[0.911,0.056]
1/1 [=====] - 0s 78ms/step
>6525, dr[0.541,0.724], df[0.674,0.035], g[0.939,0.076]
1/1 [=====] - 0s 79ms/step
>6526, dr[0.752,0.400], df[0.626,0.052], g[0.879,0.027]
1/1 [=====] - 0s 80ms/step
>6527, dr[0.657,0.535], df[0.570,0.037], g[0.806,0.100]
1/1 [=====] - 0s 84ms/step
```

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>6528, dr[0.601,0.388], df[0.748,0.023], g[0.902,0.041]
1/1 [=====] - 0s 82ms/step
>6529, dr[0.574,1.045], df[0.724,0.045], g[0.965,0.041]
1/1 [=====] - 0s 78ms/step
>6530, dr[0.692,0.643], df[0.678,0.091], g[0.930,0.060]
1/1 [=====] - 0s 78ms/step
>6531, dr[0.548,0.635], df[0.835,0.017], g[0.932,0.019]
1/1 [=====] - 0s 86ms/step
>6532, dr[0.735,0.304], df[0.629,0.065], g[0.925,0.042]
1/1 [=====] - 0s 78ms/step
>6533, dr[0.676,0.984], df[0.620,0.045], g[0.988,0.082]
1/1 [=====] - 0s 81ms/step
>6534, dr[0.799,0.244], df[0.693,0.053], g[1.007,0.040]
1/1 [=====] - 0s 78ms/step
>6535, dr[0.866,0.931], df[0.627,0.027], g[0.930,0.029]
1/1 [=====] - 0s 80ms/step
>6536, dr[0.650,0.638], df[0.632,0.022], g[0.939,0.031]
1/1 [=====] - 0s 81ms/step
>6537, dr[0.615,0.215], df[0.914,0.059], g[0.924,0.055]
1/1 [=====] - 0s 79ms/step
>6538, dr[0.680,0.754], df[0.646,0.046], g[0.956,0.040]
1/1 [=====] - 0s 83ms/step
>6539, dr[0.637,0.387], df[0.810,0.108], g[0.947,0.022]
1/1 [=====] - 0s 86ms/step
>6540, dr[0.737,0.699], df[0.613,0.045], g[0.915,0.030]
1/1 [=====] - 0s 83ms/step
>6541, dr[0.706,0.458], df[0.769,0.028], g[1.036,0.032]
1/1 [=====] - 0s 79ms/step
>6542, dr[0.617,0.366], df[0.594,0.018], g[0.944,0.043]
1/1 [=====] - 0s 92ms/step
>6543, dr[0.867,0.646], df[0.663,0.026], g[1.005,0.029]
1/1 [=====] - 0s 79ms/step
>6544, dr[0.730,0.565], df[0.832,0.073], g[0.954,0.024]
1/1 [=====] - 0s 82ms/step
>6545, dr[0.551,0.731], df[0.734,0.030], g[0.893,0.058]
1/1 [=====] - 0s 79ms/step
>6546, dr[0.648,0.588], df[0.670,0.052], g[0.937,0.067]
1/1 [=====] - 0s 85ms/step
>6547, dr[0.621,0.495], df[0.637,0.103], g[0.957,0.020]
1/1 [=====] - 0s 88ms/step
>6548, dr[0.721,0.815], df[0.648,0.042], g[0.892,0.058]
1/1 [=====] - 0s 84ms/step
>6549, dr[0.659,0.198], df[0.635,0.029], g[0.942,0.059]
1/1 [=====] - 0s 88ms/step
>6550, dr[0.599,0.421], df[0.586,0.029], g[0.913,0.043]
1/1 [=====] - 0s 86ms/step
>6551, dr[0.679,0.257], df[0.650,0.071], g[0.872,0.037]
1/1 [=====] - 0s 77ms/step
>6552, dr[0.767,0.443], df[0.732,0.032], g[0.896,0.049]
1/1 [=====] - 0s 80ms/step
>6553, dr[0.610,0.553], df[0.816,0.050], g[0.968,0.026]
1/1 [=====] - 0s 78ms/step
>6554, dr[0.689,0.694], df[0.627,0.020], g[0.997,0.026]
1/1 [=====] - 0s 78ms/step
>6555, dr[0.586,0.310], df[0.669,0.058], g[0.911,0.044]
1/1 [=====] - 0s 83ms/step
>6556, dr[0.664,0.417], df[0.515,0.033], g[0.989,0.036]
1/1 [=====] - 0s 78ms/step
>6557, dr[0.781,0.243], df[0.684,0.028], g[0.913,0.026]
1/1 [=====] - 0s 86ms/step
```

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>6558, dr[0.666,0.636], df[0.751,0.020], g[0.810,0.061]
1/1 [=====] - 0s 87ms/step
>6559, dr[0.746,0.476], df[0.745,0.036], g[0.967,0.022]
4/4 [=====] - 0s 51ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_6559.png and model_6559.h5
1/1 [=====] - 0s 103ms/step
>6560, dr[0.693,0.354], df[0.689,0.012], g[0.903,0.040]
1/1 [=====] - 0s 139ms/step
>6561, dr[0.664,0.455], df[0.822,0.078], g[0.956,0.029]
1/1 [=====] - 0s 133ms/step
>6562, dr[0.688,0.489], df[0.683,0.079], g[0.962,0.038]
1/1 [=====] - 0s 112ms/step
>6563, dr[0.619,0.427], df[0.649,0.046], g[0.943,0.043]
1/1 [=====] - 0s 174ms/step
>6564, dr[0.770,0.397], df[0.635,0.040], g[0.895,0.041]
1/1 [=====] - 0s 170ms/step
>6565, dr[0.614,0.628], df[0.659,0.087], g[0.902,0.048]
1/1 [=====] - 0s 120ms/step
>6566, dr[0.521,0.313], df[0.647,0.030], g[0.912,0.038]
1/1 [=====] - 0s 200ms/step
>6567, dr[0.732,0.738], df[0.675,0.023], g[0.879,0.069]
1/1 [=====] - 0s 181ms/step
>6568, dr[0.625,0.326], df[0.738,0.070], g[0.866,0.061]
1/1 [=====] - 0s 129ms/step
>6569, dr[0.703,0.792], df[0.727,0.018], g[1.012,0.029]
1/1 [=====] - 0s 129ms/step
>6570, dr[0.682,0.142], df[0.774,0.040], g[0.895,0.053]
1/1 [=====] - 0s 134ms/step
>6571, dr[0.668,0.478], df[0.627,0.037], g[0.965,0.057]
1/1 [=====] - 0s 148ms/step
>6572, dr[0.667,0.543], df[0.714,0.038], g[0.913,0.040]
1/1 [=====] - 0s 194ms/step
>6573, dr[0.593,0.226], df[0.552,0.029], g[0.965,0.041]
1/1 [=====] - 0s 130ms/step
>6574, dr[0.597,0.282], df[0.576,0.046], g[0.959,0.037]
1/1 [=====] - 0s 109ms/step
>6575, dr[0.614,0.845], df[0.752,0.036], g[0.960,0.036]
1/1 [=====] - 0s 94ms/step
>6576, dr[0.678,0.424], df[0.669,0.096], g[1.011,0.038]
1/1 [=====] - 0s 172ms/step
>6577, dr[0.795,0.647], df[0.695,0.022], g[1.053,0.039]
1/1 [=====] - 0s 162ms/step
>6578, dr[0.605,0.220], df[0.644,0.038], g[1.040,0.029]
1/1 [=====] - 0s 117ms/step
>6579, dr[0.731,0.721], df[0.829,0.019], g[0.900,0.015]
1/1 [=====] - 0s 125ms/step
>6580, dr[0.651,0.475], df[0.672,0.013], g[0.891,0.027]
1/1 [=====] - 0s 85ms/step
>6581, dr[0.695,0.826], df[0.718,0.023], g[0.839,0.079]
1/1 [=====] - 0s 103ms/step
>6582, dr[0.671,0.276], df[0.697,0.044], g[0.943,0.049]
1/1 [=====] - 0s 80ms/step
>6583, dr[0.642,0.538], df[0.672,0.042], g[0.874,0.041]
1/1 [=====] - 0s 91ms/step
>6584, dr[0.641,0.447], df[0.654,0.023], g[0.950,0.048]
1/1 [=====] - 0s 81ms/step
>6585, dr[0.699,0.457], df[0.693,0.050], g[0.957,0.029]
1/1 [=====] - 0s 83ms/step
```

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>6586, dr[0.648,0.271], df[0.844,0.024], g[0.926,0.048]
1/1 [=====] - 0s 132ms/step
>6587, dr[0.662,0.705], df[0.568,0.049], g[1.012,0.042]
1/1 [=====] - 0s 84ms/step
>6588, dr[0.703,0.596], df[0.628,0.047], g[1.011,0.041]
1/1 [=====] - 0s 86ms/step
>6589, dr[0.634,0.352], df[0.750,0.029], g[0.945,0.074]
1/1 [=====] - 0s 92ms/step
>6590, dr[0.600,0.238], df[0.693,0.046], g[0.991,0.038]
1/1 [=====] - 0s 98ms/step
>6591, dr[0.662,0.841], df[0.728,0.042], g[1.031,0.025]
1/1 [=====] - 0s 81ms/step
>6592, dr[0.613,0.356], df[0.624,0.027], g[1.074,0.042]
1/1 [=====] - 0s 84ms/step
>6593, dr[0.691,0.484], df[0.696,0.057], g[1.009,0.063]
1/1 [=====] - 0s 80ms/step
>6594, dr[0.647,0.924], df[0.663,0.044], g[0.965,0.034]
1/1 [=====] - 0s 81ms/step
>6595, dr[0.691,0.712], df[0.711,0.030], g[0.977,0.069]
1/1 [=====] - 0s 95ms/step
>6596, dr[0.699,0.293], df[0.595,0.026], g[0.901,0.030]
1/1 [=====] - 0s 84ms/step
>6597, dr[0.604,0.554], df[0.692,0.041], g[0.879,0.035]
1/1 [=====] - 0s 86ms/step
>6598, dr[0.571,0.427], df[0.631,0.022], g[1.068,0.075]
1/1 [=====] - 0s 90ms/step
>6599, dr[0.691,0.650], df[0.669,0.018], g[0.886,0.044]
1/1 [=====] - 0s 83ms/step
>6600, dr[0.722,0.507], df[0.578,0.059], g[0.944,0.052]
1/1 [=====] - 0s 84ms/step
>6601, dr[0.730,0.269], df[0.687,0.021], g[0.899,0.041]
1/1 [=====] - 0s 82ms/step
>6602, dr[0.718,0.617], df[0.734,0.087], g[1.003,0.041]
1/1 [=====] - 0s 86ms/step
>6603, dr[0.609,0.945], df[0.707,0.015], g[0.949,0.036]
1/1 [=====] - 0s 88ms/step
>6604, dr[0.642,0.755], df[0.697,0.022], g[0.887,0.029]
1/1 [=====] - 0s 86ms/step
>6605, dr[0.675,0.623], df[0.586,0.024], g[0.999,0.032]
1/1 [=====] - 0s 83ms/step
>6606, dr[0.724,0.675], df[0.654,0.026], g[0.777,0.092]
1/1 [=====] - 0s 88ms/step
>6607, dr[0.698,0.308], df[0.610,0.039], g[0.902,0.034]
1/1 [=====] - 0s 83ms/step
>6608, dr[0.581,0.669], df[0.729,0.044], g[0.857,0.054]
1/1 [=====] - 0s 81ms/step
>6609, dr[0.558,0.539], df[0.713,0.016], g[0.995,0.024]
1/1 [=====] - 0s 89ms/step
>6610, dr[0.689,0.245], df[0.631,0.027], g[1.034,0.048]
1/1 [=====] - 0s 86ms/step
>6611, dr[0.693,0.187], df[0.684,0.031], g[0.996,0.034]
1/1 [=====] - 0s 94ms/step
>6612, dr[0.799,0.731], df[0.770,0.066], g[0.975,0.021]
1/1 [=====] - 0s 93ms/step
>6613, dr[0.666,0.306], df[0.683,0.028], g[0.993,0.026]
1/1 [=====] - 0s 81ms/step
>6614, dr[0.683,0.382], df[0.583,0.038], g[0.931,0.034]
1/1 [=====] - 0s 83ms/step
>6615, dr[0.663,0.584], df[0.655,0.048], g[0.805,0.038]
1/1 [=====] - 0s 83ms/step
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>6616, dr[0.693,0.364], df[0.783,0.032], g[0.972,0.037]
1/1 [=====] - 0s 80ms/step
>6617, dr[0.706,0.221], df[0.650,0.077], g[0.868,0.027]
1/1 [=====] - 0s 85ms/step
>6618, dr[0.565,0.667], df[0.741,0.014], g[0.987,0.019]
1/1 [=====] - 0s 84ms/step
>6619, dr[0.559,0.521], df[0.642,0.033], g[0.947,0.028]
1/1 [=====] - 0s 82ms/step
>6620, dr[0.653,0.646], df[0.659,0.040], g[0.979,0.076]
1/1 [=====] - 0s 101ms/step
>6621, dr[0.643,0.255], df[0.707,0.030], g[1.017,0.042]
1/1 [=====] - 0s 85ms/step
>6622, dr[0.737,0.289], df[0.644,0.022], g[0.958,0.030]
1/1 [=====] - 0s 79ms/step
>6623, dr[0.749,0.386], df[0.573,0.041], g[0.809,0.028]
1/1 [=====] - 0s 83ms/step
>6624, dr[0.663,0.363], df[0.788,0.044], g[0.854,0.035]
1/1 [=====] - 0s 77ms/step
>6625, dr[0.670,0.827], df[0.746,0.022], g[0.899,0.040]
1/1 [=====] - 0s 81ms/step
>6626, dr[0.763,0.540], df[0.680,0.032], g[0.778,0.082]
1/1 [=====] - 0s 78ms/step
>6627, dr[0.611,0.536], df[0.725,0.044], g[0.875,0.030]
1/1 [=====] - 0s 80ms/step
>6628, dr[0.703,0.354], df[0.707,0.149], g[0.929,0.046]
1/1 [=====] - 0s 83ms/step
>6629, dr[0.668,0.435], df[0.755,0.053], g[0.896,0.027]
1/1 [=====] - 0s 81ms/step
>6630, dr[0.572,0.555], df[0.665,0.026], g[0.913,0.022]
1/1 [=====] - 0s 83ms/step
>6631, dr[0.743,0.254], df[0.741,0.040], g[0.850,0.067]
1/1 [=====] - 0s 87ms/step
>6632, dr[0.547,0.377], df[0.778,0.069], g[0.985,0.052]
1/1 [=====] - 0s 79ms/step
>6633, dr[0.635,0.663], df[0.689,0.016], g[1.010,0.034]
1/1 [=====] - 0s 81ms/step
>6634, dr[0.758,0.562], df[0.617,0.041], g[0.957,0.089]
1/1 [=====] - 0s 91ms/step
>6635, dr[0.620,0.550], df[0.542,0.055], g[0.860,0.048]
1/1 [=====] - 0s 79ms/step
>6636, dr[0.677,0.290], df[0.750,0.009], g[0.847,0.045]
1/1 [=====] - 0s 80ms/step
>6637, dr[0.678,0.288], df[0.798,0.020], g[0.878,0.036]
1/1 [=====] - 0s 80ms/step
>6638, dr[0.635,0.930], df[0.732,0.030], g[0.901,0.055]
1/1 [=====] - 0s 82ms/step
>6639, dr[0.687,0.365], df[0.687,0.162], g[0.914,0.055]
1/1 [=====] - 0s 84ms/step
>6640, dr[0.731,0.428], df[0.600,0.114], g[0.816,0.061]
1/1 [=====] - 0s 82ms/step
>6641, dr[0.616,0.415], df[0.683,0.077], g[0.966,0.077]
1/1 [=====] - 0s 78ms/step
>6642, dr[0.706,0.584], df[0.674,0.024], g[0.802,0.044]
1/1 [=====] - 0s 94ms/step
>6643, dr[0.805,0.473], df[0.716,0.036], g[0.885,0.046]
1/1 [=====] - 0s 88ms/step
>6644, dr[0.617,0.409], df[0.602,0.025], g[0.978,0.056]
1/1 [=====] - 0s 89ms/step
>6645, dr[0.652,0.356], df[0.774,0.044], g[0.968,0.091]
1/1 [=====] - 0s 91ms/step
```

```
>6646, dr[0.550,0.407], df[0.707,0.037], g[0.885,0.041]
1/1 [=====] - 0s 81ms/step
>6647, dr[0.761,0.759], df[0.635,0.046], g[0.810,0.086]
1/1 [=====] - 0s 79ms/step
>6648, dr[0.690,0.933], df[0.714,0.081], g[0.864,0.049]
1/1 [=====] - 0s 109ms/step
>6649, dr[0.713,0.964], df[0.779,0.030], g[0.851,0.039]
1/1 [=====] - 0s 82ms/step
>6650, dr[0.710,0.440], df[0.619,0.057], g[0.963,0.036]
1/1 [=====] - 0s 81ms/step
>6651, dr[0.665,0.257], df[0.703,0.032], g[0.871,0.041]
1/1 [=====] - 0s 89ms/step
>6652, dr[0.640,0.547], df[0.637,0.033], g[0.942,0.029]
1/1 [=====] - 0s 79ms/step
>6653, dr[0.555,0.343], df[0.687,0.016], g[0.977,0.039]
1/1 [=====] - 0s 79ms/step
>6654, dr[0.613,0.762], df[0.706,0.025], g[0.952,0.046]
1/1 [=====] - 0s 83ms/step
>6655, dr[0.713,0.581], df[0.660,0.028], g[1.033,0.029]
1/1 [=====] - 0s 81ms/step
>6656, dr[0.662,0.788], df[0.722,0.074], g[1.104,0.021]
1/1 [=====] - 0s 87ms/step
>6657, dr[0.723,0.405], df[0.758,0.048], g[0.879,0.029]
1/1 [=====] - 0s 83ms/step
>6658, dr[0.693,0.718], df[0.622,0.067], g[1.006,0.034]
1/1 [=====] - 0s 90ms/step
>6659, dr[0.698,0.525], df[0.728,0.066], g[0.969,0.023]
1/1 [=====] - 0s 79ms/step
>6660, dr[0.646,0.463], df[0.665,0.036], g[0.945,0.048]
1/1 [=====] - 0s 89ms/step
>6661, dr[0.640,0.328], df[0.701,0.059], g[0.971,0.053]
1/1 [=====] - 0s 79ms/step
>6662, dr[0.680,0.531], df[0.683,0.078], g[0.951,0.056]
1/1 [=====] - 0s 83ms/step
>6663, dr[0.611,0.248], df[0.714,0.034], g[1.006,0.026]
1/1 [=====] - 0s 84ms/step
>6664, dr[0.635,0.421], df[0.564,0.019], g[0.928,0.031]
1/1 [=====] - 0s 80ms/step
>6665, dr[0.701,0.383], df[0.619,0.026], g[0.937,0.024]
1/1 [=====] - 0s 89ms/step
>6666, dr[0.688,0.457], df[0.791,0.044], g[0.942,0.026]
1/1 [=====] - 0s 81ms/step
>6667, dr[0.685,1.033], df[0.723,0.091], g[0.931,0.047]
1/1 [=====] - 0s 79ms/step
>6668, dr[0.600,0.454], df[0.788,0.058], g[0.979,0.034]
1/1 [=====] - 0s 93ms/step
>6669, dr[0.614,0.247], df[0.617,0.015], g[1.015,0.047]
1/1 [=====] - 0s 79ms/step
>6670, dr[0.701,0.667], df[0.734,0.028], g[0.959,0.033]
1/1 [=====] - 0s 91ms/step
>6671, dr[0.729,0.432], df[0.590,0.031], g[0.902,0.065]
1/1 [=====] - 0s 91ms/step
>6672, dr[0.613,0.498], df[0.586,0.028], g[0.876,0.021]
1/1 [=====] - 0s 79ms/step
>6673, dr[0.712,0.642], df[0.654,0.035], g[0.926,0.035]
1/1 [=====] - 0s 84ms/step
>6674, dr[0.602,0.611], df[0.700,0.031], g[0.835,0.055]
1/1 [=====] - 0s 83ms/step
>6675, dr[0.670,0.451], df[0.634,0.037], g[0.937,0.026]
1/1 [=====] - 0s 80ms/step
```

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>6676, dr[0.707,0.199], df[0.831,0.094], g[0.943,0.022]
1/1 [=====] - 0s 83ms/step
>6677, dr[0.726,0.522], df[0.801,0.025], g[0.980,0.040]
1/1 [=====] - 0s 78ms/step
>6678, dr[0.639,0.401], df[0.734,0.046], g[0.965,0.099]
1/1 [=====] - 0s 82ms/step
>6679, dr[0.732,0.399], df[0.585,0.023], g[1.010,0.090]
1/1 [=====] - 0s 93ms/step
>6680, dr[0.717,0.421], df[0.631,0.032], g[0.884,0.042]
1/1 [=====] - 0s 78ms/step
>6681, dr[0.641,0.308], df[0.594,0.037], g[1.022,0.030]
1/1 [=====] - 0s 78ms/step
>6682, dr[0.682,0.199], df[0.784,0.092], g[0.908,0.035]
1/1 [=====] - 0s 83ms/step
>6683, dr[0.580,0.438], df[0.638,0.033], g[1.063,0.030]
1/1 [=====] - 0s 86ms/step
>6684, dr[0.743,0.392], df[0.623,0.034], g[0.923,0.031]
1/1 [=====] - 0s 81ms/step
>6685, dr[0.755,0.448], df[0.762,0.054], g[0.882,0.086]
1/1 [=====] - 0s 80ms/step
>6686, dr[0.676,0.519], df[0.726,0.024], g[0.932,0.060]
1/1 [=====] - 0s 79ms/step
>6687, dr[0.706,0.328], df[0.783,0.083], g[0.904,0.071]
1/1 [=====] - 0s 83ms/step
>6688, dr[0.574,0.655], df[0.717,0.053], g[0.839,0.025]
1/1 [=====] - 0s 80ms/step
>6689, dr[0.627,0.584], df[0.696,0.039], g[0.901,0.051]
1/1 [=====] - 0s 81ms/step
>6690, dr[0.681,0.437], df[0.678,0.027], g[0.941,0.040]
1/1 [=====] - 0s 89ms/step
>6691, dr[0.676,0.306], df[0.626,0.050], g[0.886,0.025]
1/1 [=====] - 0s 78ms/step
>6692, dr[0.774,0.495], df[0.656,0.028], g[0.868,0.021]
1/1 [=====] - 0s 79ms/step
>6693, dr[0.696,0.557], df[0.795,0.021], g[0.871,0.037]
1/1 [=====] - 0s 82ms/step
>6694, dr[0.626,0.421], df[0.626,0.018], g[0.794,0.023]
1/1 [=====] - 0s 78ms/step
>6695, dr[0.704,0.548], df[0.745,0.028], g[0.897,0.037]
1/1 [=====] - 0s 84ms/step
>6696, dr[0.591,0.231], df[0.631,0.038], g[0.799,0.031]
1/1 [=====] - 0s 79ms/step
>6697, dr[0.662,0.563], df[0.562,0.035], g[0.900,0.027]
1/1 [=====] - 0s 81ms/step
>6698, dr[0.581,0.352], df[0.784,0.037], g[0.865,0.047]
1/1 [=====] - 0s 85ms/step
>6699, dr[0.659,0.178], df[0.651,0.035], g[1.011,0.037]
1/1 [=====] - 0s 80ms/step
>6700, dr[0.740,0.659], df[0.730,0.039], g[0.988,0.022]
1/1 [=====] - 0s 78ms/step
>6701, dr[0.705,0.467], df[0.689,0.041], g[1.013,0.085]
1/1 [=====] - 0s 85ms/step
>6702, dr[0.614,0.432], df[0.793,0.035], g[0.872,0.030]
1/1 [=====] - 0s 81ms/step
>6703, dr[0.644,0.883], df[0.674,0.023], g[0.982,0.043]
1/1 [=====] - 0s 89ms/step
>6704, dr[0.665,0.872], df[0.724,0.025], g[0.973,0.044]
1/1 [=====] - 0s 86ms/step
>6705, dr[0.717,0.278], df[0.728,0.019], g[0.843,0.064]
1/1 [=====] - 0s 79ms/step
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>6706, dr[0.754,0.608], df[0.602,0.041], g[0.928,0.029]
1/1 [=====] - 0s 81ms/step
>6707, dr[0.522,0.276], df[0.636,0.032], g[0.940,0.021]
1/1 [=====] - 0s 78ms/step
>6708, dr[0.752,0.528], df[0.702,0.048], g[0.937,0.038]
1/1 [=====] - 0s 79ms/step
>6709, dr[0.789,0.803], df[0.695,0.015], g[0.916,0.026]
1/1 [=====] - 0s 92ms/step
>6710, dr[0.692,0.388], df[0.782,0.089], g[0.926,0.031]
1/1 [=====] - 0s 79ms/step
>6711, dr[0.821,0.464], df[0.726,0.036], g[0.868,0.057]
1/1 [=====] - 0s 78ms/step
>6712, dr[0.673,0.408], df[0.793,0.021], g[0.942,0.084]
1/1 [=====] - 0s 89ms/step
>6713, dr[0.612,0.586], df[0.774,0.028], g[0.965,0.027]
1/1 [=====] - 0s 80ms/step
>6714, dr[0.757,0.618], df[0.647,0.032], g[0.949,0.037]
1/1 [=====] - 0s 77ms/step
>6715, dr[0.681,0.381], df[0.650,0.026], g[0.972,0.046]
1/1 [=====] - 0s 84ms/step
>6716, dr[0.576,0.697], df[0.609,0.029], g[1.003,0.032]
1/1 [=====] - 0s 77ms/step
>6717, dr[0.743,0.263], df[0.669,0.039], g[0.952,0.082]
1/1 [=====] - 0s 80ms/step
>6718, dr[0.744,0.488], df[0.648,0.036], g[0.967,0.057]
1/1 [=====] - 0s 81ms/step
>6719, dr[0.704,0.656], df[0.704,0.031], g[1.016,0.036]
1/1 [=====] - 0s 79ms/step
>6720, dr[0.770,0.790], df[0.561,0.018], g[0.832,0.049]
1/1 [=====] - 0s 89ms/step
>6721, dr[0.682,0.280], df[0.809,0.048], g[0.843,0.061]
1/1 [=====] - 0s 79ms/step
>6722, dr[0.585,0.593], df[0.746,0.018], g[0.947,0.033]
1/1 [=====] - 0s 79ms/step
>6723, dr[0.713,0.231], df[0.756,0.077], g[0.817,0.033]
1/1 [=====] - 0s 87ms/step
>6724, dr[0.657,0.401], df[0.650,0.047], g[0.975,0.071]
1/1 [=====] - 0s 84ms/step
>6725, dr[0.716,0.668], df[0.717,0.027], g[0.984,0.030]
1/1 [=====] - 0s 90ms/step
>6726, dr[0.748,0.510], df[0.613,0.025], g[1.005,0.028]
1/1 [=====] - 0s 79ms/step
>6727, dr[0.588,0.771], df[0.769,0.033], g[0.930,0.050]
1/1 [=====] - 0s 78ms/step
>6728, dr[0.611,0.314], df[0.665,0.048], g[0.954,0.047]
1/1 [=====] - 0s 84ms/step
>6729, dr[0.648,0.385], df[0.568,0.030], g[0.940,0.035]
1/1 [=====] - 0s 81ms/step
>6730, dr[0.653,0.476], df[0.602,0.038], g[0.982,0.038]
1/1 [=====] - 0s 91ms/step
>6731, dr[0.760,0.298], df[0.695,0.028], g[0.912,0.049]
1/1 [=====] - 0s 87ms/step
>6732, dr[0.699,0.548], df[0.736,0.025], g[0.859,0.036]
1/1 [=====] - 0s 79ms/step
>6733, dr[0.603,0.435], df[0.676,0.016], g[0.944,0.045]
1/1 [=====] - 0s 79ms/step
>6734, dr[0.687,0.344], df[0.743,0.089], g[1.011,0.045]
1/1 [=====] - 0s 118ms/step
>6735, dr[0.635,0.340], df[0.644,0.046], g[0.847,0.025]
1/1 [=====] - 0s 84ms/step
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>6736, dr[0.563,0.426], df[0.597,0.026], g[1.057,0.027]
1/1 [=====] - 0s 81ms/step
>6737, dr[0.689,0.791], df[0.666,0.031], g[0.877,0.042]
1/1 [=====] - 0s 90ms/step
>6738, dr[0.702,0.388], df[0.752,0.033], g[0.967,0.079]
1/1 [=====] - 0s 80ms/step
>6739, dr[0.631,0.322], df[0.692,0.107], g[1.015,0.031]
1/1 [=====] - 0s 83ms/step
>6740, dr[0.644,0.462], df[0.554,0.029], g[0.951,0.064]
1/1 [=====] - 0s 81ms/step
>6741, dr[0.586,0.178], df[0.784,0.034], g[0.917,0.063]
1/1 [=====] - 0s 79ms/step
>6742, dr[0.786,0.512], df[0.694,0.021], g[0.841,0.032]
1/1 [=====] - 0s 85ms/step
>6743, dr[0.738,0.209], df[0.627,0.033], g[0.933,0.026]
1/1 [=====] - 0s 85ms/step
>6744, dr[0.686,0.502], df[0.704,0.051], g[0.843,0.032]
1/1 [=====] - 0s 80ms/step
>6745, dr[0.688,0.404], df[0.694,0.042], g[0.917,0.058]
1/1 [=====] - 0s 83ms/step
>6746, dr[0.748,0.644], df[0.608,0.066], g[0.955,0.024]
1/1 [=====] - 0s 80ms/step
>6747, dr[0.707,0.838], df[0.919,0.013], g[0.836,0.032]
1/1 [=====] - 0s 80ms/step
>6748, dr[0.644,0.672], df[0.753,0.022], g[0.904,0.047]
1/1 [=====] - 0s 93ms/step
>6749, dr[0.738,0.712], df[0.579,0.042], g[0.988,0.078]
1/1 [=====] - 0s 81ms/step
>6750, dr[0.670,0.309], df[0.677,0.021], g[0.843,0.026]
1/1 [=====] - 0s 80ms/step
>6751, dr[0.581,0.307], df[0.743,0.026], g[0.845,0.043]
1/1 [=====] - 0s 91ms/step
>6752, dr[0.630,0.462], df[0.656,0.037], g[0.871,0.050]
1/1 [=====] - 0s 81ms/step
>6753, dr[0.530,0.438], df[0.717,0.124], g[0.921,0.051]
1/1 [=====] - 0s 80ms/step
>6754, dr[0.702,0.333], df[0.613,0.030], g[0.943,0.080]
1/1 [=====] - 0s 93ms/step
>6755, dr[0.703,0.682], df[0.747,0.095], g[0.990,0.020]
1/1 [=====] - 0s 77ms/step
>6756, dr[0.733,0.785], df[0.706,0.018], g[0.945,0.022]
1/1 [=====] - 0s 78ms/step
>6757, dr[0.596,0.777], df[0.674,0.034], g[0.840,0.041]
1/1 [=====] - 0s 85ms/step
>6758, dr[0.662,0.839], df[0.763,0.022], g[1.026,0.067]
1/1 [=====] - 0s 80ms/step
>6759, dr[0.720,0.449], df[0.548,0.031], g[0.928,0.032]
1/1 [=====] - 0s 81ms/step
>6760, dr[0.621,0.980], df[0.799,0.057], g[0.913,0.033]
1/1 [=====] - 0s 81ms/step
>6761, dr[0.805,0.426], df[0.669,0.125], g[0.863,0.045]
1/1 [=====] - 0s 103ms/step
>6762, dr[0.752,0.517], df[0.713,0.035], g[0.959,0.094]
1/1 [=====] - 0s 78ms/step
>6763, dr[0.655,0.274], df[0.699,0.021], g[0.942,0.031]
1/1 [=====] - 0s 90ms/step
>6764, dr[0.655,0.459], df[0.671,0.024], g[0.933,0.037]
1/1 [=====] - 0s 93ms/step
>6765, dr[0.599,0.511], df[0.726,0.095], g[1.032,0.034]
1/1 [=====] - 0s 109ms/step
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>6766, dr[0.730,1.056], df[0.576,0.046], g[0.969,0.028]
1/1 [=====] - 0s 122ms/step
>6767, dr[0.675,0.429], df[0.781,0.027], g[0.983,0.050]
1/1 [=====] - 0s 116ms/step
>6768, dr[0.769,0.442], df[0.683,0.040], g[0.898,0.046]
1/1 [=====] - 0s 106ms/step
>6769, dr[0.583,0.520], df[0.706,0.027], g[0.944,0.028]
1/1 [=====] - 0s 123ms/step
>6770, dr[0.675,0.551], df[0.589,0.023], g[0.970,0.023]
1/1 [=====] - 0s 105ms/step
>6771, dr[0.755,0.324], df[0.668,0.052], g[0.897,0.018]
1/1 [=====] - 0s 120ms/step
>6772, dr[0.664,0.237], df[0.754,0.051], g[0.898,0.040]
1/1 [=====] - 0s 126ms/step
>6773, dr[0.602,0.260], df[0.663,0.059], g[0.887,0.021]
1/1 [=====] - 0s 147ms/step
>6774, dr[0.700,0.335], df[0.674,0.035], g[0.845,0.047]
1/1 [=====] - 0s 133ms/step
>6775, dr[0.676,0.616], df[0.739,0.026], g[0.937,0.049]
1/1 [=====] - 0s 101ms/step
>6776, dr[0.652,0.257], df[0.563,0.024], g[0.877,0.052]
1/1 [=====] - 0s 87ms/step
>6777, dr[0.722,0.973], df[0.667,0.048], g[0.974,0.035]
1/1 [=====] - 0s 93ms/step
>6778, dr[0.642,0.728], df[0.765,0.027], g[0.920,0.028]
1/1 [=====] - 0s 99ms/step
>6779, dr[0.744,0.444], df[0.713,0.046], g[0.908,0.049]
1/1 [=====] - 0s 101ms/step
>6780, dr[0.693,0.594], df[0.664,0.041], g[0.844,0.048]
1/1 [=====] - 0s 90ms/step
>6781, dr[0.730,0.320], df[0.746,0.026], g[0.864,0.082]
1/1 [=====] - 0s 108ms/step
>6782, dr[0.670,0.356], df[0.559,0.053], g[0.881,0.021]
1/1 [=====] - 0s 89ms/step
>6783, dr[0.721,0.728], df[0.730,0.027], g[0.907,0.022]
1/1 [=====] - 0s 104ms/step
>6784, dr[0.713,0.771], df[0.804,0.061], g[0.839,0.065]
1/1 [=====] - 0s 96ms/step
>6785, dr[0.575,0.186], df[0.724,0.018], g[0.998,0.039]
1/1 [=====] - 0s 97ms/step
>6786, dr[0.613,0.211], df[0.689,0.115], g[0.897,0.042]
1/1 [=====] - 0s 98ms/step
>6787, dr[0.621,0.359], df[0.679,0.050], g[0.924,0.036]
1/1 [=====] - 0s 104ms/step
>6788, dr[0.623,0.137], df[0.598,0.048], g[0.963,0.070]
1/1 [=====] - 0s 106ms/step
>6789, dr[0.824,0.428], df[0.669,0.056], g[0.989,0.057]
1/1 [=====] - 0s 86ms/step
>6790, dr[0.719,0.311], df[0.667,0.022], g[0.882,0.046]
1/1 [=====] - 0s 89ms/step
>6791, dr[0.569,0.571], df[0.679,0.021], g[0.901,0.024]
1/1 [=====] - 0s 89ms/step
>6792, dr[0.583,0.926], df[0.576,0.038], g[0.970,0.054]
1/1 [=====] - 0s 91ms/step
>6793, dr[0.657,0.576], df[0.723,0.035], g[0.983,0.082]
1/1 [=====] - 0s 83ms/step
>6794, dr[0.504,0.331], df[0.700,0.022], g[1.066,0.064]
1/1 [=====] - 0s 83ms/step
>6795, dr[0.654,0.669], df[0.661,0.054], g[0.966,0.045]
1/1 [=====] - 0s 91ms/step
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>6796, dr[0.702,0.296], df[0.596,0.031], g[1.065,0.018]
1/1 [=====] - 0s 91ms/step
>6797, dr[0.723,0.407], df[0.720,0.031], g[1.016,0.075]
1/1 [=====] - 0s 88ms/step
>6798, dr[0.588,0.331], df[0.526,0.028], g[0.986,0.034]
1/1 [=====] - 0s 98ms/step
>6799, dr[0.778,0.643], df[0.627,0.034], g[0.861,0.119]
1/1 [=====] - 0s 87ms/step
>6800, dr[0.543,0.612], df[0.717,0.049], g[0.947,0.032]
1/1 [=====] - 0s 85ms/step
>6801, dr[0.615,0.464], df[0.615,0.024], g[0.905,0.053]
1/1 [=====] - 0s 100ms/step
>6802, dr[0.622,0.492], df[0.676,0.072], g[0.958,0.067]
1/1 [=====] - 0s 81ms/step
>6803, dr[0.761,0.195], df[0.613,0.108], g[0.985,0.034]
1/1 [=====] - 0s 80ms/step
>6804, dr[0.604,0.651], df[0.652,0.165], g[0.902,0.039]
1/1 [=====] - 0s 111ms/step
>6805, dr[0.592,0.210], df[0.721,0.023], g[1.001,0.027]
1/1 [=====] - 0s 83ms/step
>6806, dr[0.765,0.591], df[0.664,0.012], g[1.096,0.032]
1/1 [=====] - 0s 84ms/step
>6807, dr[0.835,0.350], df[0.626,0.036], g[1.064,0.032]
1/1 [=====] - 0s 87ms/step
>6808, dr[0.841,0.158], df[0.603,0.038], g[0.841,0.047]
1/1 [=====] - 0s 79ms/step
>6809, dr[0.552,0.271], df[0.636,0.014], g[0.773,0.033]
1/1 [=====] - 0s 79ms/step
>6810, dr[0.657,0.446], df[0.797,0.017], g[0.909,0.038]
1/1 [=====] - 0s 87ms/step
>6811, dr[0.743,0.705], df[0.797,0.061], g[0.878,0.120]
1/1 [=====] - 0s 76ms/step
>6812, dr[0.679,0.476], df[0.744,0.047], g[0.950,0.044]
1/1 [=====] - 0s 85ms/step
>6813, dr[0.555,0.629], df[0.645,0.040], g[0.888,0.020]
1/1 [=====] - 0s 86ms/step
>6814, dr[0.739,0.456], df[0.701,0.049], g[0.889,0.016]
1/1 [=====] - 0s 80ms/step
>6815, dr[0.692,0.361], df[0.676,0.013], g[0.991,0.021]
1/1 [=====] - 0s 85ms/step
>6816, dr[0.705,0.868], df[0.714,0.027], g[0.980,0.026]
1/1 [=====] - 0s 86ms/step
>6817, dr[0.691,0.639], df[0.672,0.036], g[0.917,0.017]
1/1 [=====] - 0s 79ms/step
>6818, dr[0.647,0.411], df[0.719,0.030], g[1.002,0.035]
1/1 [=====] - 0s 78ms/step
>6819, dr[0.575,0.390], df[0.737,0.063], g[0.942,0.059]
1/1 [=====] - 0s 88ms/step
>6820, dr[0.677,0.542], df[0.620,0.028], g[1.042,0.047]
1/1 [=====] - 0s 79ms/step
>6821, dr[0.705,0.286], df[0.639,0.021], g[0.924,0.050]
1/1 [=====] - 0s 86ms/step
>6822, dr[0.596,0.207], df[0.619,0.026], g[0.882,0.041]
1/1 [=====] - 0s 84ms/step
>6823, dr[0.755,0.725], df[0.639,0.028], g[0.949,0.024]
1/1 [=====] - 0s 78ms/step
>6824, dr[0.607,0.344], df[0.656,0.036], g[0.996,0.044]
1/1 [=====] - 0s 87ms/step
>6825, dr[0.695,0.599], df[0.671,0.026], g[0.976,0.035]
1/1 [=====] - 0s 89ms/step
```

```
>6826, dr[0.704,0.309], df[0.680,0.018], g[0.989,0.033]
1/1 [=====] - 0s 90ms/step
>6827, dr[0.717,0.617], df[0.708,0.034], g[0.920,0.030]
1/1 [=====] - 0s 89ms/step
>6828, dr[0.712,0.613], df[0.749,0.029], g[0.963,0.036]
1/1 [=====] - 0s 97ms/step
>6829, dr[0.638,0.565], df[0.689,0.015], g[0.983,0.054]
1/1 [=====] - 0s 87ms/step
>6830, dr[0.668,0.500], df[0.727,0.057], g[0.931,0.048]
1/1 [=====] - 0s 90ms/step
>6831, dr[0.678,0.679], df[0.577,0.020], g[0.922,0.071]
1/1 [=====] - 0s 90ms/step
>6832, dr[0.698,0.328], df[0.726,0.033], g[0.961,0.040]
1/1 [=====] - 0s 87ms/step
>6833, dr[0.736,0.607], df[0.710,0.048], g[0.871,0.037]
1/1 [=====] - 0s 89ms/step
>6834, dr[0.663,0.586], df[0.689,0.020], g[0.816,0.024]
1/1 [=====] - 0s 89ms/step
>6835, dr[0.522,0.621], df[0.748,0.038], g[0.881,0.056]
1/1 [=====] - 0s 85ms/step
>6836, dr[0.684,0.690], df[0.664,0.053], g[1.001,0.063]
1/1 [=====] - 0s 105ms/step
>6837, dr[0.602,0.489], df[0.581,0.012], g[0.854,0.025]
1/1 [=====] - 0s 89ms/step
>6838, dr[0.623,0.414], df[0.587,0.069], g[0.915,0.033]
1/1 [=====] - 0s 86ms/step
>6839, dr[0.609,0.673], df[0.806,0.026], g[0.907,0.060]
1/1 [=====] - 0s 93ms/step
>6840, dr[0.793,0.205], df[0.624,0.030], g[0.853,0.025]
1/1 [=====] - 0s 84ms/step
>6841, dr[0.572,0.394], df[0.662,0.016], g[0.986,0.077]
1/1 [=====] - 0s 79ms/step
>6842, dr[0.743,0.491], df[0.628,0.033], g[0.906,0.026]
1/1 [=====] - 0s 80ms/step
>6843, dr[0.678,0.496], df[0.649,0.037], g[0.912,0.021]
1/1 [=====] - 0s 89ms/step
>6844, dr[0.725,0.673], df[0.697,0.015], g[0.863,0.083]
1/1 [=====] - 0s 79ms/step
>6845, dr[0.631,0.519], df[0.805,0.137], g[0.887,0.032]
1/1 [=====] - 0s 85ms/step
>6846, dr[0.627,0.488], df[0.685,0.074], g[0.934,0.037]
1/1 [=====] - 0s 87ms/step
>6847, dr[0.762,0.295], df[0.595,0.035], g[0.865,0.027]
1/1 [=====] - 0s 88ms/step
>6848, dr[0.642,0.346], df[0.804,0.022], g[0.869,0.076]
1/1 [=====] - 0s 100ms/step
>6849, dr[0.536,0.357], df[0.617,0.029], g[1.032,0.031]
1/1 [=====] - 0s 93ms/step
>6850, dr[0.703,0.388], df[0.733,0.091], g[0.850,0.052]
1/1 [=====] - 0s 98ms/step
>6851, dr[0.575,0.559], df[0.716,0.062], g[0.992,0.026]
1/1 [=====] - 0s 81ms/step
>6852, dr[0.671,0.896], df[0.644,0.024], g[0.894,0.026]
1/1 [=====] - 0s 82ms/step
>6853, dr[0.662,0.473], df[0.711,0.029], g[0.991,0.036]
1/1 [=====] - 0s 78ms/step
>6854, dr[0.767,0.393], df[0.681,0.048], g[0.901,0.013]
1/1 [=====] - 0s 81ms/step
>6855, dr[0.602,0.321], df[0.684,0.021], g[1.007,0.032]
1/1 [=====] - 0s 79ms/step
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>6856, dr[0.762,0.406], df[0.627,0.033], g[0.908,0.045]
1/1 [=====] - 0s 82ms/step
>6857, dr[0.623,0.667], df[0.762,0.030], g[0.848,0.043]
1/1 [=====] - 0s 86ms/step
>6858, dr[0.572,0.323], df[0.749,0.036], g[0.953,0.090]
1/1 [=====] - 0s 80ms/step
>6859, dr[0.609,0.463], df[0.731,0.039], g[1.067,0.029]
1/1 [=====] - 0s 84ms/step
>6860, dr[0.726,0.824], df[0.666,0.027], g[0.885,0.026]
1/1 [=====] - 0s 87ms/step
>6861, dr[0.908,0.645], df[0.727,0.023], g[1.020,0.066]
1/1 [=====] - 0s 80ms/step
>6862, dr[0.629,0.669], df[0.614,0.029], g[0.900,0.032]
1/1 [=====] - 0s 81ms/step
>6863, dr[0.654,0.563], df[0.671,0.024], g[0.926,0.018]
1/1 [=====] - 0s 88ms/step
>6864, dr[0.677,0.900], df[0.716,0.022], g[0.861,0.030]
1/1 [=====] - 0s 81ms/step
>6865, dr[0.785,0.511], df[0.779,0.044], g[0.947,0.045]
1/1 [=====] - 0s 86ms/step
>6866, dr[0.589,0.272], df[0.833,0.056], g[0.907,0.029]
1/1 [=====] - 0s 87ms/step
>6867, dr[0.746,0.611], df[0.662,0.029], g[0.912,0.041]
1/1 [=====] - 0s 78ms/step
>6868, dr[0.643,0.423], df[0.694,0.025], g[0.976,0.044]
1/1 [=====] - 0s 84ms/step
>6869, dr[0.737,0.898], df[0.606,0.036], g[0.829,0.033]
1/1 [=====] - 0s 85ms/step
>6870, dr[0.640,0.715], df[0.711,0.030], g[0.920,0.044]
1/1 [=====] - 0s 81ms/step
>6871, dr[0.668,0.885], df[0.705,0.028], g[0.890,0.091]
1/1 [=====] - 0s 89ms/step
>6872, dr[0.689,0.413], df[0.688,0.011], g[0.929,0.029]
1/1 [=====] - 0s 79ms/step
>6873, dr[0.772,0.620], df[0.671,0.026], g[0.913,0.034]
1/1 [=====] - 0s 79ms/step
>6874, dr[0.577,0.602], df[0.610,0.028], g[0.833,0.067]
1/1 [=====] - 0s 91ms/step
>6875, dr[0.602,0.662], df[0.690,0.038], g[0.861,0.086]
1/1 [=====] - 0s 82ms/step
>6876, dr[0.571,0.607], df[0.582,0.025], g[0.869,0.015]
1/1 [=====] - 0s 83ms/step
>6877, dr[0.735,0.749], df[0.761,0.048], g[0.813,0.065]
1/1 [=====] - 0s 80ms/step
>6878, dr[0.681,0.471], df[0.687,0.016], g[0.998,0.016]
1/1 [=====] - 0s 79ms/step
>6879, dr[0.621,0.440], df[0.659,0.022], g[0.967,0.023]
1/1 [=====] - 0s 91ms/step
>6880, dr[0.630,0.366], df[0.707,0.036], g[0.918,0.028]
1/1 [=====] - 0s 78ms/step
>6881, dr[0.543,0.782], df[0.563,0.021], g[1.020,0.014]
1/1 [=====] - 0s 80ms/step
>6882, dr[0.709,0.566], df[0.701,0.034], g[0.882,0.022]
1/1 [=====] - 0s 84ms/step
>6883, dr[0.748,0.606], df[0.735,0.022], g[0.924,0.035]
1/1 [=====] - 0s 79ms/step
>6884, dr[0.697,0.395], df[0.644,0.018], g[0.926,0.043]
1/1 [=====] - 0s 93ms/step
>6885, dr[0.695,0.363], df[0.746,0.035], g[0.791,0.039]
1/1 [=====] - 0s 100ms/step
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>6886, dr[0.669,0.487], df[0.854,0.027], g[0.877,0.081]
1/1 [=====] - 0s 79ms/step
>6887, dr[0.632,0.936], df[0.772,0.040], g[0.961,0.030]
1/1 [=====] - 0s 81ms/step
>6888, dr[0.792,0.786], df[0.642,0.038], g[1.038,0.036]
1/1 [=====] - 0s 88ms/step
>6889, dr[0.668,0.305], df[0.653,0.025], g[0.929,0.049]
1/1 [=====] - 0s 80ms/step
>6890, dr[0.695,0.419], df[0.700,0.046], g[0.910,0.073]
1/1 [=====] - 0s 80ms/step
>6891, dr[0.715,0.379], df[0.805,0.028], g[0.885,0.080]
1/1 [=====] - 0s 80ms/step
>6892, dr[0.610,0.602], df[0.788,0.012], g[0.990,0.052]
1/1 [=====] - 0s 82ms/step
>6893, dr[0.666,0.283], df[0.626,0.178], g[0.892,0.036]
1/1 [=====] - 0s 85ms/step
>6894, dr[0.580,0.427], df[0.654,0.014], g[1.034,0.033]
1/1 [=====] - 0s 85ms/step
>6895, dr[0.725,0.294], df[0.648,0.024], g[0.868,0.035]
1/1 [=====] - 0s 88ms/step
>6896, dr[0.654,0.694], df[0.697,0.019], g[0.859,0.034]
1/1 [=====] - 0s 86ms/step
>6897, dr[0.627,0.288], df[0.610,0.041], g[0.981,0.016]
1/1 [=====] - 0s 79ms/step
>6898, dr[0.627,0.940], df[0.719,0.035], g[0.860,0.082]
1/1 [=====] - 0s 80ms/step
>6899, dr[0.633,0.509], df[0.664,0.061], g[0.933,0.048]
1/1 [=====] - 0s 84ms/step
>6900, dr[0.665,0.262], df[0.637,0.023], g[0.877,0.026]
1/1 [=====] - 0s 77ms/step
>6901, dr[0.723,0.450], df[0.645,0.052], g[0.871,0.073]
1/1 [=====] - 0s 87ms/step
>6902, dr[0.657,0.610], df[0.795,0.038], g[0.817,0.029]
1/1 [=====] - 0s 80ms/step
>6903, dr[0.597,0.541], df[0.691,0.055], g[0.950,0.039]
1/1 [=====] - 0s 81ms/step
>6904, dr[0.698,0.338], df[0.571,0.031], g[0.888,0.058]
1/1 [=====] - 0s 87ms/step
>6905, dr[0.572,0.447], df[0.706,0.032], g[0.901,0.034]
1/1 [=====] - 0s 84ms/step
>6906, dr[0.666,0.299], df[0.682,0.032], g[0.897,0.035]
1/1 [=====] - 0s 84ms/step
>6907, dr[0.715,0.403], df[0.712,0.035], g[0.951,0.027]
1/1 [=====] - 0s 88ms/step
>6908, dr[0.604,0.303], df[0.662,0.055], g[0.971,0.043]
1/1 [=====] - 0s 80ms/step
>6909, dr[0.655,0.380], df[0.646,0.029], g[0.923,0.031]
1/1 [=====] - 0s 81ms/step
>6910, dr[0.516,0.537], df[0.579,0.045], g[0.915,0.051]
1/1 [=====] - 0s 79ms/step
>6911, dr[0.712,0.581], df[0.681,0.041], g[1.019,0.027]
1/1 [=====] - 0s 87ms/step
>6912, dr[0.713,0.692], df[0.786,0.036], g[0.901,0.045]
1/1 [=====] - 0s 84ms/step
>6913, dr[0.553,0.366], df[0.771,0.047], g[0.995,0.094]
1/1 [=====] - 0s 86ms/step
>6914, dr[0.614,0.783], df[0.664,0.066], g[0.966,0.084]
1/1 [=====] - 0s 82ms/step
>6915, dr[0.701,0.509], df[0.628,0.057], g[1.081,0.113]
1/1 [=====] - 0s 87ms/step
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>6916, dr[0.794,0.168], df[0.727,0.070], g[0.999,0.074]
1/1 [=====] - 0s 84ms/step
>6917, dr[0.652,0.668], df[0.682,0.096], g[0.968,0.039]
1/1 [=====] - 0s 80ms/step
>6918, dr[0.711,0.799], df[0.674,0.044], g[0.879,0.055]
1/1 [=====] - 0s 82ms/step
>6919, dr[0.643,0.272], df[0.685,0.027], g[0.969,0.041]
1/1 [=====] - 0s 79ms/step
>6920, dr[0.675,0.480], df[0.680,0.030], g[0.883,0.046]
1/1 [=====] - 0s 81ms/step
>6921, dr[0.664,0.498], df[0.714,0.011], g[0.983,0.036]
1/1 [=====] - 0s 92ms/step
>6922, dr[0.695,0.523], df[0.745,0.027], g[0.992,0.051]
1/1 [=====] - 0s 80ms/step
>6923, dr[0.534,0.309], df[0.625,0.034], g[1.023,0.056]
1/1 [=====] - 0s 86ms/step
>6924, dr[0.674,0.503], df[0.625,0.030], g[1.097,0.028]
1/1 [=====] - 0s 78ms/step
>6925, dr[0.770,0.446], df[0.613,0.053], g[0.960,0.044]
1/1 [=====] - 0s 79ms/step
>6926, dr[0.638,0.392], df[0.736,0.061], g[1.019,0.041]
1/1 [=====] - 0s 86ms/step
>6927, dr[0.733,0.550], df[0.548,0.027], g[0.887,0.075]
1/1 [=====] - 0s 81ms/step
>6928, dr[0.643,0.345], df[0.580,0.038], g[0.941,0.038]
1/1 [=====] - 0s 94ms/step
>6929, dr[0.639,0.225], df[0.616,0.033], g[0.842,0.086]
1/1 [=====] - 0s 93ms/step
>6930, dr[0.663,0.418], df[0.736,0.079], g[0.902,0.044]
1/1 [=====] - 0s 79ms/step
>6931, dr[0.595,0.590], df[0.647,0.018], g[0.845,0.074]
1/1 [=====] - 0s 83ms/step
>6932, dr[0.635,0.694], df[0.729,0.014], g[1.020,0.043]
1/1 [=====] - 0s 79ms/step
>6933, dr[0.656,0.945], df[0.613,0.034], g[1.065,0.067]
1/1 [=====] - 0s 83ms/step
>6934, dr[0.673,0.436], df[0.643,0.103], g[1.004,0.026]
1/1 [=====] - 0s 84ms/step
>6935, dr[0.548,0.174], df[0.564,0.029], g[0.955,0.064]
1/1 [=====] - 0s 78ms/step
>6936, dr[0.679,0.193], df[0.664,0.011], g[0.923,0.049]
1/1 [=====] - 0s 81ms/step
>6937, dr[0.673,0.612], df[0.567,0.015], g[0.879,0.025]
1/1 [=====] - 0s 85ms/step
>6938, dr[0.648,0.843], df[0.730,0.031], g[0.901,0.048]
1/1 [=====] - 0s 81ms/step
>6939, dr[0.581,0.475], df[0.866,0.032], g[0.909,0.030]
1/1 [=====] - 0s 80ms/step
>6940, dr[0.633,0.442], df[0.732,0.018], g[1.065,0.058]
1/1 [=====] - 0s 84ms/step
>6941, dr[0.821,0.516], df[0.696,0.037], g[1.017,0.057]
1/1 [=====] - 0s 86ms/step
>6942, dr[0.619,0.781], df[0.571,0.053], g[0.891,0.074]
1/1 [=====] - 0s 81ms/step
>6943, dr[0.752,0.516], df[0.631,0.028], g[0.936,0.061]
1/1 [=====] - 0s 82ms/step
>6944, dr[0.638,0.343], df[0.745,0.020], g[0.863,0.073]
1/1 [=====] - 0s 84ms/step
>6945, dr[0.651,0.243], df[0.731,0.030], g[0.964,0.048]
1/1 [=====] - 0s 85ms/step
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>6946, dr[0.758,0.677], df[0.745,0.024], g[0.866,0.044]
1/1 [=====] - 0s 85ms/step
>6947, dr[0.724,0.409], df[0.651,0.038], g[0.957,0.022]
1/1 [=====] - 0s 84ms/step
>6948, dr[0.684,0.607], df[0.668,0.023], g[0.890,0.053]
1/1 [=====] - 0s 82ms/step
>6949, dr[0.758,0.204], df[0.694,0.029], g[0.799,0.110]
1/1 [=====] - 0s 80ms/step
>6950, dr[0.595,0.479], df[0.709,0.027], g[0.856,0.029]
1/1 [=====] - 0s 97ms/step
>6951, dr[0.670,0.522], df[0.811,0.077], g[1.045,0.022]
1/1 [=====] - 0s 89ms/step
>6952, dr[0.687,0.500], df[0.653,0.028], g[0.904,0.035]
1/1 [=====] - 0s 78ms/step
>6953, dr[0.686,0.721], df[0.539,0.042], g[0.864,0.042]
1/1 [=====] - 0s 79ms/step
>6954, dr[0.639,0.486], df[0.670,0.015], g[0.921,0.041]
1/1 [=====] - 0s 87ms/step
>6955, dr[0.694,0.338], df[0.709,0.028], g[0.894,0.022]
1/1 [=====] - 0s 77ms/step
>6956, dr[0.650,0.941], df[0.621,0.035], g[0.884,0.068]
1/1 [=====] - 0s 85ms/step
>6957, dr[0.685,0.655], df[0.662,0.028], g[0.885,0.045]
1/1 [=====] - 0s 83ms/step
>6958, dr[0.744,0.900], df[0.798,0.036], g[0.843,0.100]
1/1 [=====] - 0s 85ms/step
>6959, dr[0.740,0.748], df[0.844,0.031], g[0.897,0.077]
1/1 [=====] - 0s 83ms/step
>6960, dr[0.591,0.414], df[0.840,0.036], g[0.920,0.033]
1/1 [=====] - 0s 93ms/step
>6961, dr[0.702,0.463], df[0.609,0.028], g[1.001,0.050]
1/1 [=====] - 0s 91ms/step
>6962, dr[0.598,0.262], df[0.767,0.049], g[1.026,0.051]
1/1 [=====] - 0s 85ms/step
>6963, dr[0.862,0.406], df[0.679,0.026], g[1.006,0.022]
1/1 [=====] - 0s 79ms/step
>6964, dr[0.742,0.198], df[0.653,0.033], g[0.932,0.079]
1/1 [=====] - 0s 81ms/step
>6965, dr[0.596,0.376], df[0.510,0.035], g[0.990,0.025]
1/1 [=====] - 0s 87ms/step
>6966, dr[0.584,0.371], df[0.737,0.021], g[0.925,0.043]
1/1 [=====] - 0s 85ms/step
>6967, dr[0.632,0.271], df[0.810,0.024], g[0.984,0.041]
1/1 [=====] - 0s 77ms/step
>6968, dr[0.674,0.591], df[0.679,0.048], g[1.033,0.028]
1/1 [=====] - 0s 89ms/step
>6969, dr[0.587,0.258], df[0.590,0.023], g[1.059,0.045]
1/1 [=====] - 0s 80ms/step
>6970, dr[0.706,1.129], df[0.666,0.057], g[1.043,0.079]
1/1 [=====] - 0s 80ms/step
>6971, dr[0.753,0.649], df[0.728,0.026], g[0.999,0.048]
1/1 [=====] - 0s 86ms/step
>6972, dr[0.721,0.423], df[0.634,0.045], g[1.005,0.054]
1/1 [=====] - 0s 82ms/step
>6973, dr[0.713,0.359], df[0.767,0.052], g[0.981,0.029]
1/1 [=====] - 0s 83ms/step
>6974, dr[0.687,0.573], df[0.597,0.085], g[0.893,0.034]
1/1 [=====] - 0s 78ms/step
>6975, dr[0.808,0.391], df[0.792,0.041], g[0.971,0.023]
1/1 [=====] - 0s 78ms/step
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>6976, dr[0.692,0.455], df[0.680,0.051], g[0.872,0.026]
1/1 [=====] - 0s 90ms/step
>6977, dr[0.551,0.315], df[0.724,0.052], g[0.817,0.031]
1/1 [=====] - 0s 81ms/step
>6978, dr[0.699,0.162], df[0.721,0.076], g[0.906,0.030]
1/1 [=====] - 0s 80ms/step
>6979, dr[0.600,0.334], df[0.631,0.009], g[0.878,0.034]
1/1 [=====] - 0s 88ms/step
>6980, dr[0.704,0.741], df[0.800,0.034], g[0.957,0.032]
1/1 [=====] - 0s 80ms/step
>6981, dr[0.668,0.545], df[0.517,0.021], g[0.911,0.052]
1/1 [=====] - 0s 80ms/step
>6982, dr[0.671,0.505], df[0.748,0.045], g[1.007,0.046]
1/1 [=====] - 0s 83ms/step
>6983, dr[0.778,0.535], df[0.625,0.095], g[1.036,0.021]
1/1 [=====] - 0s 84ms/step
>6984, dr[0.657,0.523], df[0.661,0.049], g[0.978,0.027]
1/1 [=====] - 0s 83ms/step
>6985, dr[0.634,0.537], df[0.579,0.027], g[1.006,0.026]
1/1 [=====] - 0s 78ms/step
>6986, dr[0.552,0.551], df[0.632,0.037], g[0.785,0.066]
1/1 [=====] - 0s 91ms/step
>6987, dr[0.643,0.795], df[0.713,0.066], g[0.892,0.027]
1/1 [=====] - 0s 86ms/step
>6988, dr[0.723,0.612], df[0.715,0.015], g[0.924,0.026]
1/1 [=====] - 0s 79ms/step
>6989, dr[0.696,0.634], df[0.715,0.047], g[0.857,0.035]
1/1 [=====] - 0s 79ms/step
>6990, dr[0.594,0.756], df[0.682,0.015], g[0.876,0.044]
1/1 [=====] - 0s 85ms/step
>6991, dr[0.606,0.751], df[0.749,0.057], g[0.862,0.040]
1/1 [=====] - 0s 81ms/step
>6992, dr[0.719,0.555], df[0.654,0.079], g[0.908,0.039]
1/1 [=====] - 0s 82ms/step
>6993, dr[0.607,0.488], df[0.712,0.016], g[0.883,0.042]
1/1 [=====] - 0s 80ms/step
>6994, dr[0.675,0.595], df[0.720,0.054], g[0.936,0.073]
1/1 [=====] - 0s 80ms/step
>6995, dr[0.655,0.347], df[0.598,0.089], g[0.978,0.028]
1/1 [=====] - 0s 84ms/step
>6996, dr[0.766,0.462], df[0.767,0.040], g[0.947,0.038]
1/1 [=====] - 0s 79ms/step
>6997, dr[0.737,0.461], df[0.683,0.075], g[0.872,0.032]
1/1 [=====] - 0s 79ms/step
>6998, dr[0.648,0.581], df[0.685,0.094], g[0.935,0.029]
1/1 [=====] - 0s 87ms/step
>6999, dr[0.709,0.634], df[0.757,0.072], g[0.903,0.032]
1/1 [=====] - 0s 83ms/step
>7000, dr[0.701,0.570], df[0.694,0.029], g[0.851,0.019]
1/1 [=====] - 0s 87ms/step
>7001, dr[0.817,0.493], df[0.764,0.025], g[0.999,0.022]
1/1 [=====] - 0s 87ms/step
>7002, dr[0.667,0.569], df[0.634,0.021], g[0.919,0.021]
1/1 [=====] - 0s 82ms/step
>7003, dr[0.607,0.635], df[0.651,0.050], g[0.835,0.017]
1/1 [=====] - 0s 83ms/step
>7004, dr[0.490,0.576], df[0.828,0.044], g[0.869,0.038]
1/1 [=====] - 0s 81ms/step
>7005, dr[0.547,0.370], df[0.642,0.096], g[0.952,0.034]
1/1 [=====] - 0s 80ms/step
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>7006, dr[0.673,0.695], df[0.609,0.019], g[1.016,0.054]
1/1 [=====] - 0s 87ms/step
>7007, dr[0.698,0.680], df[0.586,0.128], g[0.875,0.093]
1/1 [=====] - 0s 86ms/step
>7008, dr[0.698,0.372], df[0.696,0.027], g[0.889,0.041]
1/1 [=====] - 0s 84ms/step
>7009, dr[0.595,0.505], df[0.576,0.080], g[0.873,0.030]
1/1 [=====] - 0s 102ms/step
>7010, dr[0.605,0.582], df[0.760,0.027], g[0.934,0.051]
1/1 [=====] - 0s 91ms/step
>7011, dr[0.670,0.537], df[0.627,0.038], g[0.903,0.090]
1/1 [=====] - 0s 81ms/step
>7012, dr[0.605,0.586], df[0.727,0.033], g[0.909,0.095]
1/1 [=====] - 0s 84ms/step
>7013, dr[0.635,0.376], df[0.761,0.063], g[0.984,0.034]
1/1 [=====] - 0s 82ms/step
>7014, dr[0.672,0.350], df[0.667,0.158], g[0.960,0.059]
1/1 [=====] - 0s 79ms/step
>7015, dr[0.696,0.461], df[0.592,0.035], g[0.982,0.025]
1/1 [=====] - 0s 85ms/step
>7016, dr[0.746,0.901], df[0.707,0.068], g[0.930,0.027]
1/1 [=====] - 0s 87ms/step
>7017, dr[0.712,0.561], df[0.676,0.032], g[0.933,0.034]
1/1 [=====] - 0s 80ms/step
>7018, dr[0.578,0.495], df[0.680,0.028], g[0.933,0.034]
1/1 [=====] - 0s 86ms/step
>7019, dr[0.584,0.364], df[0.634,0.030], g[1.052,0.029]
1/1 [=====] - 0s 83ms/step
>7020, dr[0.762,0.541], df[0.614,0.074], g[0.977,0.046]
1/1 [=====] - 0s 82ms/step
>7021, dr[0.593,0.606], df[0.718,0.018], g[0.997,0.035]
1/1 [=====] - 0s 88ms/step
>7022, dr[0.617,0.271], df[0.640,0.062], g[0.965,0.028]
1/1 [=====] - 0s 79ms/step
>7023, dr[0.868,0.878], df[0.609,0.070], g[0.953,0.024]
1/1 [=====] - 0s 87ms/step
>7024, dr[0.679,0.264], df[0.856,0.057], g[0.923,0.049]
1/1 [=====] - 0s 84ms/step
>7025, dr[0.702,0.833], df[0.733,0.027], g[0.954,0.038]
1/1 [=====] - 0s 79ms/step
>7026, dr[0.786,0.718], df[0.817,0.047], g[0.934,0.040]
1/1 [=====] - 0s 86ms/step
>7027, dr[0.683,0.671], df[0.633,0.025], g[0.866,0.023]
1/1 [=====] - 0s 79ms/step
>7028, dr[0.529,0.445], df[0.663,0.022], g[0.925,0.039]
1/1 [=====] - 0s 78ms/step
>7029, dr[0.629,0.352], df[0.724,0.040], g[0.900,0.060]
1/1 [=====] - 0s 78ms/step
>7030, dr[0.742,0.282], df[0.651,0.085], g[1.010,0.046]
1/1 [=====] - 0s 81ms/step
>7031, dr[0.771,0.606], df[0.692,0.039], g[0.846,0.113]
1/1 [=====] - 0s 85ms/step
>7032, dr[0.633,0.264], df[0.589,0.019], g[0.938,0.045]
1/1 [=====] - 0s 80ms/step
>7033, dr[0.636,0.460], df[0.744,0.066], g[0.846,0.037]
1/1 [=====] - 0s 82ms/step
>7034, dr[0.582,0.187], df[0.650,0.039], g[0.860,0.035]
1/1 [=====] - 0s 85ms/step
>7035, dr[0.611,0.416], df[0.878,0.045], g[0.910,0.035]
1/1 [=====] - 0s 81ms/step
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>7036, dr[0.707,0.464], df[0.660,0.033], g[0.883,0.046]
1/1 [=====] - 0s 80ms/step
>7037, dr[0.582,0.390], df[0.623,0.020], g[0.874,0.039]
1/1 [=====] - 0s 81ms/step
>7038, dr[0.735,0.378], df[0.701,0.071], g[0.897,0.087]
1/1 [=====] - 0s 78ms/step
>7039, dr[0.785,0.330], df[0.689,0.049], g[0.978,0.070]
1/1 [=====] - 0s 93ms/step
>7040, dr[0.704,0.570], df[0.746,0.022], g[0.879,0.055]
1/1 [=====] - 0s 79ms/step
>7041, dr[0.662,0.178], df[0.728,0.066], g[0.890,0.037]
1/1 [=====] - 0s 79ms/step
>7042, dr[0.637,0.427], df[0.634,0.032], g[0.972,0.037]
1/1 [=====] - 0s 88ms/step
>7043, dr[0.681,0.495], df[0.602,0.036], g[0.944,0.058]
1/1 [=====] - 0s 85ms/step
>7044, dr[0.748,0.740], df[0.703,0.079], g[0.894,0.048]
1/1 [=====] - 0s 89ms/step
>7045, dr[0.726,0.415], df[0.624,0.059], g[0.877,0.046]
1/1 [=====] - 0s 83ms/step
>7046, dr[0.769,0.734], df[0.736,0.054], g[0.818,0.057]
1/1 [=====] - 0s 80ms/step
>7047, dr[0.589,0.845], df[0.809,0.022], g[0.872,0.027]
1/1 [=====] - 0s 80ms/step
>7048, dr[0.472,0.593], df[0.769,0.022], g[1.013,0.053]
1/1 [=====] - 0s 87ms/step
>7049, dr[0.710,0.998], df[0.741,0.028], g[1.106,0.078]
1/1 [=====] - 0s 78ms/step
>7050, dr[0.703,0.345], df[0.495,0.019], g[0.990,0.033]
1/1 [=====] - 0s 88ms/step
>7051, dr[0.625,0.755], df[0.669,0.019], g[0.905,0.104]
1/1 [=====] - 0s 77ms/step
>7052, dr[0.636,0.249], df[0.694,0.043], g[0.826,0.028]
1/1 [=====] - 0s 87ms/step
>7053, dr[0.569,0.629], df[0.610,0.026], g[0.865,0.054]
1/1 [=====] - 0s 91ms/step
>7054, dr[0.691,0.549], df[0.708,0.048], g[0.871,0.068]
1/1 [=====] - 0s 79ms/step
>7055, dr[0.632,0.470], df[0.747,0.030], g[0.926,0.038]
1/1 [=====] - 0s 81ms/step
>7056, dr[0.632,0.476], df[0.655,0.035], g[0.915,0.074]
1/1 [=====] - 0s 86ms/step
>7057, dr[0.690,0.304], df[0.633,0.081], g[0.918,0.030]
1/1 [=====] - 0s 81ms/step
>7058, dr[0.760,0.330], df[0.761,0.049], g[0.947,0.043]
1/1 [=====] - 0s 79ms/step
>7059, dr[0.701,0.500], df[0.550,0.027], g[0.984,0.045]
1/1 [=====] - 0s 79ms/step
>7060, dr[0.591,0.639], df[0.723,0.036], g[0.974,0.032]
1/1 [=====] - 0s 81ms/step
>7061, dr[0.690,0.288], df[0.781,0.041], g[0.785,0.125]
1/1 [=====] - 0s 87ms/step
>7062, dr[0.666,0.491], df[0.732,0.068], g[0.919,0.023]
1/1 [=====] - 0s 80ms/step
>7063, dr[0.580,0.455], df[0.710,0.015], g[0.865,0.029]
1/1 [=====] - 0s 78ms/step
>7064, dr[0.734,0.325], df[0.635,0.056], g[1.032,0.057]
1/1 [=====] - 0s 88ms/step
>7065, dr[0.745,0.754], df[0.678,0.049], g[0.932,0.037]
1/1 [=====] - 0s 87ms/step
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>7066, dr[0.784,0.739], df[0.626,0.031], g[0.914,0.068]
1/1 [=====] - 0s 79ms/step
>7067, dr[0.773,0.905], df[0.862,0.027], g[0.983,0.035]
1/1 [=====] - 0s 78ms/step
>7068, dr[0.638,0.754], df[0.625,0.032], g[0.792,0.051]
1/1 [=====] - 0s 79ms/step
>7069, dr[0.568,0.776], df[0.728,0.023], g[0.972,0.063]
1/1 [=====] - 0s 83ms/step
>7070, dr[0.646,0.164], df[0.636,0.033], g[1.067,0.038]
1/1 [=====] - 0s 84ms/step
>7071, dr[0.646,0.704], df[0.640,0.032], g[0.873,0.041]
1/1 [=====] - 0s 87ms/step
>7072, dr[0.665,0.556], df[0.651,0.033], g[0.885,0.039]
1/1 [=====] - 0s 86ms/step
>7073, dr[0.693,0.616], df[0.728,0.024], g[1.074,0.015]
1/1 [=====] - 0s 78ms/step
>7074, dr[0.630,0.511], df[0.671,0.035], g[0.910,0.054]
1/1 [=====] - 0s 77ms/step
>7075, dr[0.643,0.718], df[0.541,0.047], g[0.881,0.092]
1/1 [=====] - 0s 88ms/step
>7076, dr[0.602,0.361], df[0.654,0.052], g[0.913,0.074]
1/1 [=====] - 0s 79ms/step
>7077, dr[0.689,0.280], df[0.739,0.044], g[0.939,0.019]
1/1 [=====] - 0s 81ms/step
>7078, dr[0.678,0.632], df[0.750,0.027], g[1.005,0.093]
1/1 [=====] - 0s 79ms/step
>7079, dr[0.662,0.507], df[0.619,0.021], g[0.865,0.049]
1/1 [=====] - 0s 79ms/step
>7080, dr[0.614,0.520], df[0.727,0.062], g[0.883,0.042]
1/1 [=====] - 0s 94ms/step
>7081, dr[0.679,0.478], df[0.666,0.059], g[0.973,0.058]
1/1 [=====] - 0s 78ms/step
>7082, dr[0.636,0.553], df[0.746,0.107], g[0.984,0.030]
1/1 [=====] - 0s 81ms/step
>7083, dr[0.732,0.335], df[0.700,0.042], g[0.995,0.087]
1/1 [=====] - 0s 85ms/step
>7084, dr[0.618,0.722], df[0.726,0.022], g[1.019,0.060]
1/1 [=====] - 0s 86ms/step
>7085, dr[0.624,0.417], df[0.652,0.010], g[1.046,0.046]
1/1 [=====] - 0s 80ms/step
>7086, dr[0.626,0.214], df[0.572,0.024], g[1.043,0.038]
1/1 [=====] - 0s 81ms/step
>7087, dr[0.592,0.307], df[0.531,0.035], g[1.014,0.034]
1/1 [=====] - 0s 80ms/step
>7088, dr[0.730,0.427], df[0.742,0.022], g[1.051,0.051]
1/1 [=====] - 0s 84ms/step
>7089, dr[0.652,0.413], df[0.638,0.027], g[0.950,0.041]
1/1 [=====] - 0s 78ms/step
>7090, dr[0.640,0.450], df[0.553,0.029], g[0.922,0.037]
1/1 [=====] - 0s 79ms/step
>7091, dr[0.662,0.601], df[0.643,0.024], g[0.825,0.033]
1/1 [=====] - 0s 84ms/step
>7092, dr[0.798,0.388], df[0.746,0.036], g[0.895,0.023]
1/1 [=====] - 0s 84ms/step
>7093, dr[0.700,0.935], df[0.772,0.013], g[0.897,0.034]
1/1 [=====] - 0s 79ms/step
>7094, dr[0.631,0.226], df[0.811,0.022], g[0.935,0.031]
1/1 [=====] - 0s 84ms/step
>7095, dr[0.723,0.331], df[0.737,0.041], g[0.916,0.020]
1/1 [=====] - 0s 80ms/step
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>7096, dr[0.662,0.292], df[0.684,0.023], g[0.962,0.068]
1/1 [=====] - 0s 80ms/step
>7097, dr[0.639,0.207], df[0.599,0.075], g[0.923,0.069]
1/1 [=====] - 0s 78ms/step
>7098, dr[0.810,0.370], df[0.710,0.036], g[0.897,0.029]
1/1 [=====] - 0s 79ms/step
>7099, dr[0.668,0.458], df[0.689,0.059], g[0.916,0.051]
1/1 [=====] - 0s 93ms/step
>7100, dr[0.661,0.321], df[0.692,0.052], g[0.905,0.037]
1/1 [=====] - 0s 80ms/step
>7101, dr[0.796,0.437], df[0.843,0.033], g[0.993,0.031]
1/1 [=====] - 0s 80ms/step
>7102, dr[0.671,0.380], df[0.663,0.064], g[0.964,0.026]
1/1 [=====] - 0s 87ms/step
>7103, dr[0.693,0.427], df[0.684,0.054], g[0.899,0.048]
1/1 [=====] - 0s 84ms/step
>7104, dr[0.754,0.243], df[0.719,0.062], g[0.863,0.031]
1/1 [=====] - 0s 81ms/step
>7105, dr[0.650,0.631], df[0.672,0.024], g[0.968,0.016]
1/1 [=====] - 0s 88ms/step
>7106, dr[0.704,0.886], df[0.728,0.056], g[0.980,0.060]
1/1 [=====] - 0s 80ms/step
>7107, dr[0.633,0.435], df[0.678,0.049], g[1.011,0.046]
1/1 [=====] - 0s 81ms/step
>7108, dr[0.719,0.304], df[0.795,0.053], g[0.931,0.066]
1/1 [=====] - 0s 79ms/step
>7109, dr[0.668,0.402], df[0.698,0.087], g[0.849,0.039]
1/1 [=====] - 0s 82ms/step
>7110, dr[0.697,0.494], df[0.738,0.044], g[0.938,0.064]
1/1 [=====] - 0s 84ms/step
>7111, dr[0.666,0.775], df[0.738,0.014], g[0.911,0.066]
1/1 [=====] - 0s 83ms/step
>7112, dr[0.656,0.603], df[0.684,0.023], g[0.898,0.042]
1/1 [=====] - 0s 79ms/step
>7113, dr[0.726,0.382], df[0.675,0.018], g[1.000,0.033]
1/1 [=====] - 0s 88ms/step
>7114, dr[0.700,0.520], df[0.721,0.069], g[0.890,0.020]
1/1 [=====] - 0s 80ms/step
>7115, dr[0.773,0.563], df[0.757,0.019], g[0.971,0.025]
1/1 [=====] - 0s 118ms/step
>7116, dr[0.706,0.358], df[0.587,0.065], g[0.960,0.077]
1/1 [=====] - 0s 76ms/step
>7117, dr[0.635,0.432], df[0.735,0.053], g[0.923,0.047]
1/1 [=====] - 0s 79ms/step
>7118, dr[0.690,0.511], df[0.636,0.025], g[0.911,0.027]
1/1 [=====] - 0s 81ms/step
>7119, dr[0.662,0.520], df[0.642,0.026], g[0.905,0.036]
1/1 [=====] - 0s 78ms/step
>7120, dr[0.676,0.709], df[0.855,0.042], g[0.920,0.051]
1/1 [=====] - 0s 85ms/step
>7121, dr[0.675,0.478], df[0.692,0.023], g[0.928,0.037]
1/1 [=====] - 0s 83ms/step
>7122, dr[0.705,0.516], df[0.743,0.032], g[0.839,0.033]
1/1 [=====] - 0s 79ms/step
>7123, dr[0.665,0.313], df[0.696,0.060], g[0.955,0.027]
1/1 [=====] - 0s 88ms/step
>7124, dr[0.651,0.607], df[0.709,0.018], g[0.985,0.034]
1/1 [=====] - 0s 81ms/step
>7125, dr[0.636,0.573], df[0.631,0.015], g[0.961,0.039]
1/1 [=====] - 0s 81ms/step
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>7126, dr[0.750,0.660], df[0.666,0.038], g[0.953,0.035]
1/1 [=====] - 0s 87ms/step
>7127, dr[0.640,0.385], df[0.746,0.017], g[0.926,0.027]
1/1 [=====] - 0s 80ms/step
>7128, dr[0.765,0.397], df[0.747,0.016], g[0.870,0.032]
1/1 [=====] - 0s 86ms/step
>7129, dr[0.733,0.423], df[0.739,0.050], g[0.967,0.019]
1/1 [=====] - 0s 78ms/step
>7130, dr[0.755,0.350], df[0.669,0.057], g[1.050,0.024]
1/1 [=====] - 0s 79ms/step
>7131, dr[0.714,0.857], df[0.663,0.018], g[1.016,0.019]
1/1 [=====] - 0s 89ms/step
>7132, dr[0.718,0.510], df[0.689,0.026], g[0.944,0.043]
1/1 [=====] - 0s 79ms/step
>7133, dr[0.634,0.372], df[0.781,0.016], g[0.930,0.064]
1/1 [=====] - 0s 84ms/step
>7134, dr[0.628,0.559], df[0.723,0.047], g[0.920,0.050]
1/1 [=====] - 0s 88ms/step
>7135, dr[0.803,0.456], df[0.693,0.019], g[0.869,0.028]
1/1 [=====] - 0s 90ms/step
>7136, dr[0.631,0.617], df[0.648,0.032], g[0.884,0.038]
1/1 [=====] - 0s 82ms/step
>7137, dr[0.602,0.461], df[0.760,0.020], g[0.800,0.050]
1/1 [=====] - 0s 81ms/step
>7138, dr[0.659,0.243], df[0.664,0.051], g[1.007,0.056]
1/1 [=====] - 0s 87ms/step
>7139, dr[0.715,0.568], df[0.595,0.022], g[0.969,0.020]
1/1 [=====] - 0s 81ms/step
>7140, dr[0.627,0.526], df[0.847,0.026], g[0.889,0.042]
1/1 [=====] - 0s 81ms/step
>7141, dr[0.641,0.194], df[0.510,0.017], g[0.957,0.032]
1/1 [=====] - 0s 79ms/step
>7142, dr[0.643,0.404], df[0.707,0.015], g[0.915,0.026]
1/1 [=====] - 0s 89ms/step
>7143, dr[0.697,0.842], df[0.614,0.024], g[0.920,0.051]
1/1 [=====] - 0s 80ms/step
>7144, dr[0.699,0.572], df[0.606,0.045], g[0.837,0.068]
1/1 [=====] - 0s 82ms/step
>7145, dr[0.557,0.582], df[0.763,0.020], g[0.871,0.023]
1/1 [=====] - 0s 89ms/step
>7146, dr[0.570,0.367], df[0.723,0.035], g[0.943,0.026]
1/1 [=====] - 0s 79ms/step
>7147, dr[0.686,0.402], df[0.538,0.018], g[0.942,0.032]
1/1 [=====] - 0s 83ms/step
>7148, dr[0.693,0.774], df[0.665,0.041], g[0.987,0.033]
1/1 [=====] - 0s 100ms/step
>7149, dr[0.595,0.763], df[0.718,0.025], g[1.019,0.048]
1/1 [=====] - 0s 90ms/step
>7150, dr[0.719,0.369], df[0.717,0.019], g[1.064,0.029]
1/1 [=====] - 0s 79ms/step
>7151, dr[0.630,0.534], df[0.636,0.082], g[1.070,0.025]
1/1 [=====] - 0s 83ms/step
>7152, dr[0.696,0.607], df[0.652,0.070], g[0.932,0.028]
1/1 [=====] - 0s 78ms/step
>7153, dr[0.753,0.494], df[0.752,0.060], g[0.856,0.028]
1/1 [=====] - 0s 86ms/step
>7154, dr[0.612,0.587], df[0.765,0.065], g[0.979,0.043]
1/1 [=====] - 0s 91ms/step
>7155, dr[0.720,0.246], df[0.588,0.014], g[0.946,0.031]
1/1 [=====] - 0s 83ms/step
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>7156, dr[0.658,0.663], df[0.720,0.011], g[0.896,0.036]
1/1 [=====] - 0s 86ms/step
>7157, dr[0.721,0.516], df[0.645,0.031], g[0.910,0.038]
1/1 [=====] - 0s 78ms/step
>7158, dr[0.655,0.669], df[0.710,0.033], g[0.905,0.045]
1/1 [=====] - 0s 85ms/step
>7159, dr[0.647,0.355], df[0.657,0.031], g[0.930,0.042]
1/1 [=====] - 0s 84ms/step
>7160, dr[0.652,0.499], df[0.803,0.028], g[0.925,0.040]
1/1 [=====] - 0s 81ms/step
>7161, dr[0.771,0.518], df[0.657,0.026], g[0.974,0.044]
1/1 [=====] - 0s 82ms/step
>7162, dr[0.688,0.477], df[0.669,0.050], g[1.012,0.058]
1/1 [=====] - 0s 78ms/step
>7163, dr[0.744,0.444], df[0.579,0.013], g[0.838,0.049]
1/1 [=====] - 0s 84ms/step
>7164, dr[0.641,0.638], df[0.716,0.022], g[0.890,0.030]
1/1 [=====] - 0s 85ms/step
>7165, dr[0.689,0.228], df[0.804,0.046], g[0.855,0.050]
1/1 [=====] - 0s 77ms/step
>7166, dr[0.682,0.500], df[0.566,0.025], g[0.763,0.065]
1/1 [=====] - 0s 79ms/step
>7167, dr[0.618,1.032], df[0.751,0.047], g[0.941,0.019]
1/1 [=====] - 0s 94ms/step
>7168, dr[0.644,0.324], df[0.624,0.026], g[0.909,0.042]
1/1 [=====] - 0s 82ms/step
>7169, dr[0.592,0.774], df[0.631,0.037], g[0.836,0.074]
1/1 [=====] - 0s 87ms/step
>7170, dr[0.709,0.543], df[0.807,0.032], g[0.999,0.025]
1/1 [=====] - 0s 79ms/step
>7171, dr[0.591,0.368], df[0.596,0.034], g[0.840,0.071]
1/1 [=====] - 0s 77ms/step
>7172, dr[0.711,0.648], df[0.679,0.024], g[0.880,0.031]
1/1 [=====] - 0s 89ms/step
>7173, dr[0.674,0.560], df[0.687,0.045], g[0.870,0.089]
1/1 [=====] - 0s 81ms/step
>7174, dr[0.686,0.294], df[0.690,0.040], g[0.944,0.019]
1/1 [=====] - 0s 82ms/step
>7175, dr[0.678,0.526], df[0.735,0.203], g[0.913,0.023]
1/1 [=====] - 0s 78ms/step
>7176, dr[0.775,0.197], df[0.596,0.018], g[0.854,0.073]
1/1 [=====] - 0s 79ms/step
>7177, dr[0.566,0.619], df[0.618,0.036], g[0.900,0.024]
1/1 [=====] - 0s 86ms/step
>7178, dr[0.679,0.820], df[0.810,0.055], g[0.959,0.052]
1/1 [=====] - 0s 78ms/step
>7179, dr[0.542,0.515], df[0.633,0.017], g[0.929,0.041]
1/1 [=====] - 0s 82ms/step
>7180, dr[0.698,0.767], df[0.720,0.034], g[0.848,0.036]
1/1 [=====] - 0s 86ms/step
>7181, dr[0.589,0.497], df[0.719,0.033], g[0.996,0.015]
1/1 [=====] - 0s 80ms/step
>7182, dr[0.539,0.116], df[0.654,0.084], g[1.037,0.083]
1/1 [=====] - 0s 82ms/step
>7183, dr[0.698,0.851], df[0.638,0.040], g[1.009,0.040]
1/1 [=====] - 0s 80ms/step
>7184, dr[0.684,0.547], df[0.657,0.034], g[1.028,0.027]
1/1 [=====] - 0s 80ms/step
>7185, dr[0.627,0.590], df[0.592,0.146], g[0.991,0.031]
1/1 [=====] - 0s 86ms/step
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>7186, dr[0.655,0.286], df[0.645,0.017], g[0.906,0.038]
1/1 [=====] - 0s 82ms/step
>7187, dr[0.724,0.373], df[0.641,0.038], g[0.986,0.031]
1/1 [=====] - 0s 77ms/step
>7188, dr[0.600,0.506], df[0.687,0.040], g[0.916,0.116]
1/1 [=====] - 0s 85ms/step
>7189, dr[0.745,0.477], df[0.625,0.041], g[0.892,0.025]
1/1 [=====] - 0s 79ms/step
>7190, dr[0.646,0.327], df[0.713,0.036], g[0.960,0.026]
1/1 [=====] - 0s 84ms/step
>7191, dr[0.541,0.630], df[0.848,0.030], g[0.868,0.045]
1/1 [=====] - 0s 81ms/step
>7192, dr[0.805,0.450], df[0.641,0.031], g[1.053,0.037]
1/1 [=====] - 0s 84ms/step
>7193, dr[0.631,0.384], df[0.723,0.051], g[0.987,0.045]
1/1 [=====] - 0s 85ms/step
>7194, dr[0.725,0.346], df[0.736,0.018], g[0.950,0.038]
1/1 [=====] - 0s 83ms/step
>7195, dr[0.728,0.745], df[0.757,0.041], g[0.905,0.029]
1/1 [=====] - 0s 92ms/step
>7196, dr[0.635,0.519], df[0.649,0.045], g[0.865,0.044]
1/1 [=====] - 0s 97ms/step
>7197, dr[0.792,0.294], df[0.636,0.061], g[0.908,0.036]
1/1 [=====] - 0s 81ms/step
>7198, dr[0.624,0.874], df[0.698,0.082], g[0.949,0.037]
1/1 [=====] - 0s 85ms/step
>7199, dr[0.611,0.444], df[0.799,0.121], g[0.926,0.052]
1/1 [=====] - 0s 90ms/step
>7200, dr[0.560,0.227], df[0.594,0.029], g[0.933,0.037]
1/1 [=====] - 0s 81ms/step
>7201, dr[0.669,0.323], df[0.561,0.049], g[0.931,0.066]
1/1 [=====] - 0s 99ms/step
>7202, dr[0.659,0.520], df[0.595,0.015], g[0.820,0.053]
1/1 [=====] - 0s 86ms/step
>7203, dr[0.663,0.323], df[0.714,0.072], g[0.949,0.078]
1/1 [=====] - 0s 81ms/step
>7204, dr[0.671,0.836], df[0.786,0.031], g[0.934,0.071]
1/1 [=====] - 0s 86ms/step
>7205, dr[0.756,0.504], df[0.746,0.032], g[0.920,0.044]
1/1 [=====] - 0s 80ms/step
>7206, dr[0.743,0.801], df[0.763,0.018], g[0.983,0.048]
1/1 [=====] - 0s 82ms/step
>7207, dr[0.759,0.481], df[0.716,0.021], g[0.919,0.046]
1/1 [=====] - 0s 76ms/step
>7208, dr[0.598,0.162], df[0.553,0.025], g[0.913,0.039]
1/1 [=====] - 0s 86ms/step
>7209, dr[0.651,0.797], df[0.731,0.039], g[0.978,0.062]
1/1 [=====] - 0s 100ms/step
>7210, dr[0.846,0.421], df[0.840,0.067], g[0.924,0.029]
1/1 [=====] - 0s 91ms/step
>7211, dr[0.713,0.532], df[0.693,0.026], g[0.891,0.027]
1/1 [=====] - 0s 94ms/step
>7212, dr[0.589,0.439], df[0.674,0.020], g[0.950,0.057]
1/1 [=====] - 0s 84ms/step
>7213, dr[0.794,0.668], df[0.669,0.015], g[0.886,0.028]
1/1 [=====] - 0s 78ms/step
>7214, dr[0.674,0.501], df[0.698,0.038], g[0.825,0.039]
1/1 [=====] - 0s 80ms/step
>7215, dr[0.678,0.314], df[0.580,0.023], g[0.905,0.028]
1/1 [=====] - 0s 92ms/step
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>7216, dr[0.624,0.265], df[0.706,0.024], g[0.862,0.036]
1/1 [=====] - 0s 82ms/step
>7217, dr[0.538,0.400], df[0.780,0.067], g[0.964,0.026]
1/1 [=====] - 0s 83ms/step
>7218, dr[0.671,0.753], df[0.694,0.070], g[0.901,0.056]
1/1 [=====] - 0s 81ms/step
>7219, dr[0.674,0.919], df[0.677,0.016], g[0.966,0.035]
1/1 [=====] - 0s 79ms/step
>7220, dr[0.715,0.459], df[0.651,0.079], g[0.983,0.033]
1/1 [=====] - 0s 88ms/step
>7221, dr[0.727,0.238], df[0.618,0.034], g[0.931,0.033]
1/1 [=====] - 0s 78ms/step
>7222, dr[0.625,0.398], df[0.772,0.039], g[1.025,0.062]
1/1 [=====] - 0s 81ms/step
>7223, dr[0.757,0.699], df[0.609,0.014], g[0.854,0.031]
1/1 [=====] - 0s 84ms/step
>7224, dr[0.575,0.634], df[0.769,0.036], g[1.015,0.055]
1/1 [=====] - 0s 79ms/step
>7225, dr[0.720,0.387], df[0.713,0.042], g[0.950,0.040]
1/1 [=====] - 0s 78ms/step
>7226, dr[0.751,0.182], df[0.626,0.015], g[1.011,0.028]
1/1 [=====] - 0s 81ms/step
>7227, dr[0.664,0.284], df[0.652,0.101], g[0.779,0.034]
1/1 [=====] - 0s 81ms/step
>7228, dr[0.684,0.599], df[0.726,0.026], g[0.910,0.091]
1/1 [=====] - 0s 89ms/step
>7229, dr[0.621,0.525], df[0.794,0.012], g[0.936,0.031]
1/1 [=====] - 0s 79ms/step
>7230, dr[0.642,0.376], df[0.792,0.046], g[0.961,0.036]
1/1 [=====] - 0s 79ms/step
>7231, dr[0.640,0.467], df[0.641,0.029], g[0.907,0.045]
1/1 [=====] - 0s 85ms/step
>7232, dr[0.745,0.520], df[0.729,0.045], g[0.827,0.025]
1/1 [=====] - 0s 80ms/step
>7233, dr[0.789,0.624], df[0.640,0.024], g[0.953,0.034]
1/1 [=====] - 0s 95ms/step
>7234, dr[0.576,0.406], df[0.785,0.056], g[0.947,0.033]
1/1 [=====] - 0s 89ms/step
>7235, dr[0.645,0.477], df[0.597,0.022], g[0.863,0.028]
1/1 [=====] - 0s 79ms/step
>7236, dr[0.674,0.275], df[0.587,0.148], g[0.976,0.050]
1/1 [=====] - 0s 81ms/step
>7237, dr[0.801,0.199], df[0.761,0.036], g[0.864,0.038]
1/1 [=====] - 0s 80ms/step
>7238, dr[0.618,0.357], df[0.683,0.028], g[0.935,0.041]
1/1 [=====] - 0s 78ms/step
>7239, dr[0.505,0.391], df[0.603,0.034], g[0.950,0.034]
1/1 [=====] - 0s 85ms/step
>7240, dr[0.621,0.509], df[0.794,0.045], g[0.912,0.052]
1/1 [=====] - 0s 79ms/step
>7241, dr[0.614,0.537], df[0.559,0.025], g[0.922,0.016]
1/1 [=====] - 0s 84ms/step
>7242, dr[0.677,0.487], df[0.647,0.047], g[1.006,0.037]
1/1 [=====] - 0s 124ms/step
>7243, dr[0.708,0.649], df[0.640,0.062], g[0.853,0.046]
1/1 [=====] - 0s 87ms/step
>7244, dr[0.728,0.469], df[0.655,0.055], g[0.889,0.053]
1/1 [=====] - 0s 153ms/step
>7245, dr[0.738,0.651], df[0.638,0.062], g[0.890,0.032]
1/1 [=====] - 0s 76ms/step
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>7246, dr[0.619,0.447], df[0.802,0.023], g[0.891,0.034]
1/1 [=====] - 0s 83ms/step
>7247, dr[0.695,0.462], df[0.744,0.014], g[0.869,0.050]
1/1 [=====] - 0s 77ms/step
>7248, dr[0.617,0.735], df[0.592,0.039], g[0.980,0.068]
1/1 [=====] - 0s 85ms/step
>7249, dr[0.765,0.668], df[0.708,0.035], g[0.875,0.090]
1/1 [=====] - 0s 115ms/step
>7250, dr[0.684,0.685], df[0.731,0.044], g[0.955,0.041]
1/1 [=====] - 0s 149ms/step
>7251, dr[0.757,0.634], df[0.751,0.056], g[0.925,0.036]
1/1 [=====] - 0s 114ms/step
>7252, dr[0.681,0.448], df[0.807,0.026], g[0.868,0.032]
1/1 [=====] - 0s 77ms/step
>7253, dr[0.616,0.926], df[0.789,0.044], g[0.947,0.045]
1/1 [=====] - 0s 93ms/step
>7254, dr[0.571,0.528], df[0.622,0.057], g[0.864,0.036]
1/1 [=====] - 0s 81ms/step
>7255, dr[0.754,0.263], df[0.803,0.022], g[0.904,0.024]
1/1 [=====] - 0s 106ms/step
>7256, dr[0.694,0.670], df[0.732,0.045], g[0.944,0.029]
1/1 [=====] - 0s 86ms/step
>7257, dr[0.745,0.390], df[0.530,0.058], g[0.883,0.064]
1/1 [=====] - 0s 78ms/step
>7258, dr[0.565,0.685], df[0.700,0.030], g[1.008,0.030]
1/1 [=====] - 0s 122ms/step
>7259, dr[0.712,0.698], df[0.573,0.021], g[0.859,0.067]
1/1 [=====] - 0s 121ms/step
>7260, dr[0.628,0.625], df[0.665,0.015], g[0.974,0.071]
1/1 [=====] - 0s 140ms/step
>7261, dr[0.585,0.634], df[0.726,0.042], g[0.927,0.034]
1/1 [=====] - 0s 447ms/step
>7262, dr[0.741,0.456], df[0.723,0.030], g[0.839,0.031]
1/1 [=====] - 0s 459ms/step
>7263, dr[0.596,0.672], df[0.638,0.070], g[0.921,0.057]
1/1 [=====] - 0s 271ms/step
>7264, dr[0.800,0.706], df[0.737,0.052], g[0.980,0.024]
1/1 [=====] - 0s 150ms/step
>7265, dr[0.838,0.392], df[0.823,0.074], g[0.989,0.046]
1/1 [=====] - 0s 141ms/step
>7266, dr[0.677,0.370], df[0.759,0.019], g[0.960,0.035]
1/1 [=====] - 0s 119ms/step
>7267, dr[0.646,0.680], df[0.779,0.027], g[0.999,0.039]
1/1 [=====] - 0s 129ms/step
>7268, dr[0.577,0.557], df[0.681,0.024], g[0.913,0.028]
1/1 [=====] - 0s 127ms/step
>7269, dr[0.693,0.685], df[0.697,0.038], g[0.937,0.053]
1/1 [=====] - 0s 104ms/step
>7270, dr[0.808,0.244], df[0.704,0.060], g[1.050,0.023]
1/1 [=====] - 0s 107ms/step
>7271, dr[0.704,0.435], df[0.660,0.016], g[1.025,0.030]
1/1 [=====] - 0s 102ms/step
>7272, dr[0.737,0.441], df[0.695,0.053], g[1.005,0.039]
1/1 [=====] - 0s 94ms/step
>7273, dr[0.648,0.518], df[0.711,0.024], g[0.912,0.054]
1/1 [=====] - 0s 92ms/step
>7274, dr[0.611,0.304], df[0.534,0.030], g[0.809,0.034]
1/1 [=====] - 0s 87ms/step
>7275, dr[0.591,0.551], df[0.575,0.033], g[0.878,0.033]
1/1 [=====] - 0s 100ms/step
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>7276, dr[0.819,0.538], df[0.794,0.038], g[0.913,0.022]
1/1 [=====] - 0s 107ms/step
>7277, dr[0.631,0.335], df[0.612,0.017], g[0.921,0.038]
1/1 [=====] - 0s 144ms/step
>7278, dr[0.613,0.208], df[0.649,0.040], g[0.909,0.016]
1/1 [=====] - 0s 115ms/step
>7279, dr[0.685,0.247], df[0.618,0.026], g[0.939,0.035]
1/1 [=====] - 0s 94ms/step
>7280, dr[0.555,0.238], df[0.713,0.071], g[0.889,0.102]
1/1 [=====] - 0s 93ms/step
>7281, dr[0.752,0.699], df[0.611,0.059], g[0.888,0.049]
1/1 [=====] - 0s 114ms/step
>7282, dr[0.671,0.761], df[0.820,0.028], g[0.968,0.029]
1/1 [=====] - 0s 134ms/step
>7283, dr[0.601,0.400], df[0.669,0.037], g[0.948,0.049]
1/1 [=====] - 0s 116ms/step
>7284, dr[0.679,0.509], df[0.717,0.040], g[1.048,0.027]
1/1 [=====] - 0s 111ms/step
>7285, dr[0.600,0.607], df[0.530,0.029], g[0.918,0.026]
1/1 [=====] - 0s 126ms/step
>7286, dr[0.673,0.309], df[0.714,0.020], g[0.865,0.068]
1/1 [=====] - 0s 106ms/step
>7287, dr[0.631,0.646], df[0.669,0.037], g[0.903,0.025]
1/1 [=====] - 0s 83ms/step
>7288, dr[0.696,0.698], df[0.765,0.025], g[0.911,0.077]
1/1 [=====] - 0s 108ms/step
>7289, dr[0.583,0.455], df[0.671,0.023], g[0.933,0.054]
1/1 [=====] - 0s 95ms/step
>7290, dr[0.773,0.632], df[0.690,0.073], g[0.851,0.048]
1/1 [=====] - 0s 101ms/step
>7291, dr[0.692,0.694], df[0.779,0.034], g[0.944,0.042]
1/1 [=====] - 0s 94ms/step
>7292, dr[0.688,0.660], df[0.788,0.021], g[0.922,0.038]
1/1 [=====] - 0s 86ms/step
>7293, dr[0.876,0.706], df[0.735,0.039], g[0.951,0.040]
1/1 [=====] - 0s 103ms/step
>7294, dr[0.729,0.400], df[0.756,0.040], g[0.798,0.036]
1/1 [=====] - 0s 95ms/step
>7295, dr[0.627,0.483], df[0.639,0.039], g[0.916,0.036]
1/1 [=====] - 0s 97ms/step
>7296, dr[0.678,0.197], df[0.753,0.029], g[0.898,0.037]
1/1 [=====] - 0s 90ms/step
>7297, dr[0.603,0.206], df[0.688,0.032], g[0.986,0.038]
1/1 [=====] - 0s 105ms/step
>7298, dr[0.735,0.617], df[0.658,0.076], g[1.020,0.078]
1/1 [=====] - 0s 95ms/step
>7299, dr[0.753,0.648], df[0.682,0.038], g[0.923,0.016]
1/1 [=====] - 0s 93ms/step
>7300, dr[0.612,0.211], df[0.659,0.059], g[0.936,0.031]
1/1 [=====] - 0s 102ms/step
>7301, dr[0.664,0.515], df[0.747,0.045], g[0.831,0.038]
1/1 [=====] - 0s 92ms/step
>7302, dr[0.728,0.406], df[0.780,0.031], g[0.871,0.037]
1/1 [=====] - 0s 92ms/step
>7303, dr[0.636,0.285], df[0.733,0.038], g[0.937,0.034]
1/1 [=====] - 0s 117ms/step
>7304, dr[0.665,0.470], df[0.704,0.067], g[0.937,0.085]
1/1 [=====] - 0s 118ms/step
>7305, dr[0.662,0.502], df[0.629,0.046], g[0.865,0.054]
1/1 [=====] - 0s 93ms/step
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>7306, dr[0.698,0.552], df[0.700,0.041], g[0.995,0.084]
1/1 [=====] - 0s 173ms/step
>7307, dr[0.745,0.835], df[0.623,0.036], g[0.980,0.046]
1/1 [=====] - 0s 105ms/step
>7308, dr[0.685,0.576], df[0.740,0.036], g[0.875,0.021]
1/1 [=====] - 0s 105ms/step
>7309, dr[0.665,0.408], df[0.641,0.034], g[0.842,0.032]
1/1 [=====] - 0s 104ms/step
>7310, dr[0.668,0.402], df[0.788,0.021], g[0.907,0.027]
1/1 [=====] - 0s 127ms/step
>7311, dr[0.598,0.295], df[0.712,0.034], g[0.929,0.033]
1/1 [=====] - 0s 122ms/step
>7312, dr[0.691,0.483], df[0.638,0.011], g[0.889,0.042]
1/1 [=====] - 0s 119ms/step
>7313, dr[0.657,0.322], df[0.737,0.019], g[0.950,0.030]
1/1 [=====] - 0s 113ms/step
>7314, dr[0.659,0.781], df[0.650,0.034], g[0.895,0.023]
1/1 [=====] - 0s 91ms/step
>7315, dr[0.689,0.629], df[0.725,0.015], g[0.877,0.046]
1/1 [=====] - 0s 88ms/step
>7316, dr[0.606,0.323], df[0.570,0.022], g[0.957,0.026]
1/1 [=====] - 0s 97ms/step
>7317, dr[0.619,0.476], df[0.710,0.064], g[0.875,0.039]
1/1 [=====] - 0s 80ms/step
>7318, dr[0.646,0.390], df[0.808,0.068], g[0.968,0.039]
1/1 [=====] - 0s 84ms/step
>7319, dr[0.801,0.516], df[0.680,0.059], g[0.964,0.049]
1/1 [=====] - 0s 117ms/step
>7320, dr[0.730,0.424], df[0.707,0.016], g[0.908,0.012]
1/1 [=====] - 0s 143ms/step
>7321, dr[0.638,0.336], df[0.716,0.038], g[0.952,0.035]
1/1 [=====] - 0s 93ms/step
>7322, dr[0.839,0.193], df[0.663,0.016], g[0.947,0.049]
1/1 [=====] - 0s 97ms/step
>7323, dr[0.646,0.288], df[0.758,0.013], g[0.911,0.067]
1/1 [=====] - 0s 118ms/step
>7324, dr[0.618,0.584], df[0.709,0.023], g[1.019,0.022]
1/1 [=====] - 0s 85ms/step
>7325, dr[0.577,0.405], df[0.548,0.012], g[0.998,0.019]
1/1 [=====] - 0s 83ms/step
>7326, dr[0.717,0.322], df[0.595,0.015], g[0.817,0.023]
1/1 [=====] - 0s 79ms/step
>7327, dr[0.670,0.434], df[0.669,0.056], g[0.911,0.041]
1/1 [=====] - 0s 84ms/step
>7328, dr[0.521,0.953], df[0.759,0.087], g[0.877,0.038]
1/1 [=====] - 0s 81ms/step
>7329, dr[0.722,0.578], df[0.776,0.040], g[0.984,0.028]
1/1 [=====] - 0s 102ms/step
>7330, dr[0.643,0.307], df[0.675,0.058], g[0.984,0.040]
1/1 [=====] - 0s 90ms/step
>7331, dr[0.720,0.350], df[0.753,0.051], g[0.913,0.063]
1/1 [=====] - 0s 86ms/step
>7332, dr[0.676,0.742], df[0.632,0.057], g[1.051,0.039]
1/1 [=====] - 0s 105ms/step
>7333, dr[0.799,0.597], df[0.587,0.026], g[0.882,0.027]
1/1 [=====] - 0s 101ms/step
>7334, dr[0.632,0.398], df[0.676,0.040], g[0.880,0.038]
1/1 [=====] - 0s 91ms/step
>7335, dr[0.625,0.232], df[0.585,0.022], g[0.874,0.024]
1/1 [=====] - 0s 85ms/step
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>7336, dr[0.635,0.267], df[0.766,0.015], g[0.895,0.025]
1/1 [=====] - 0s 131ms/step
>7337, dr[0.646,0.566], df[0.752,0.016], g[0.946,0.033]
1/1 [=====] - 0s 79ms/step
>7338, dr[0.777,0.453], df[0.642,0.064], g[0.953,0.034]
1/1 [=====] - 0s 79ms/step
>7339, dr[0.681,0.800], df[0.700,0.021], g[0.960,0.019]
1/1 [=====] - 0s 105ms/step
>7340, dr[0.738,0.260], df[0.683,0.014], g[0.892,0.038]
1/1 [=====] - 0s 86ms/step
>7341, dr[0.582,0.437], df[0.737,0.037], g[0.856,0.068]
1/1 [=====] - 0s 81ms/step
>7342, dr[0.589,0.556], df[0.751,0.039], g[0.892,0.023]
1/1 [=====] - 0s 96ms/step
>7343, dr[0.719,0.269], df[0.771,0.071], g[0.979,0.070]
1/1 [=====] - 0s 88ms/step
>7344, dr[0.732,0.309], df[0.774,0.024], g[0.959,0.030]
1/1 [=====] - 0s 90ms/step
>7345, dr[0.723,0.322], df[0.653,0.052], g[0.940,0.056]
1/1 [=====] - 0s 83ms/step
>7346, dr[0.580,0.598], df[0.655,0.024], g[0.901,0.031]
1/1 [=====] - 0s 83ms/step
>7347, dr[0.760,0.469], df[0.689,0.043], g[0.928,0.024]
1/1 [=====] - 0s 96ms/step
>7348, dr[0.633,0.616], df[0.820,0.111], g[0.837,0.035]
1/1 [=====] - 0s 84ms/step
>7349, dr[0.753,0.752], df[0.801,0.037], g[0.941,0.022]
1/1 [=====] - 0s 82ms/step
>7350, dr[0.810,0.762], df[0.651,0.056], g[0.982,0.020]
1/1 [=====] - 0s 86ms/step
>7351, dr[0.686,0.519], df[0.688,0.027], g[0.985,0.038]
1/1 [=====] - 0s 78ms/step
>7352, dr[0.841,0.472], df[0.701,0.029], g[0.965,0.042]
1/1 [=====] - 0s 80ms/step
>7353, dr[0.593,0.400], df[0.707,0.024], g[0.869,0.019]
1/1 [=====] - 0s 82ms/step
>7354, dr[0.709,0.478], df[0.724,0.077], g[0.905,0.034]
1/1 [=====] - 0s 98ms/step
>7355, dr[0.778,0.729], df[0.729,0.026], g[0.961,0.056]
1/1 [=====] - 0s 104ms/step
>7356, dr[0.697,0.574], df[0.697,0.044], g[0.922,0.067]
1/1 [=====] - 0s 98ms/step
>7357, dr[0.712,0.400], df[0.778,0.062], g[0.938,0.033]
1/1 [=====] - 0s 77ms/step
>7358, dr[0.732,0.335], df[0.656,0.024], g[0.911,0.057]
1/1 [=====] - 0s 78ms/step
>7359, dr[0.739,0.448], df[0.635,0.052], g[0.924,0.019]
1/1 [=====] - 0s 77ms/step
>7360, dr[0.685,0.764], df[0.708,0.039], g[0.773,0.086]
1/1 [=====] - 0s 77ms/step
>7361, dr[0.646,0.116], df[0.660,0.060], g[0.918,0.064]
1/1 [=====] - 0s 84ms/step
>7362, dr[0.716,0.635], df[0.740,0.040], g[0.805,0.032]
1/1 [=====] - 0s 75ms/step
>7363, dr[0.683,0.302], df[0.693,0.045], g[0.909,0.048]
1/1 [=====] - 0s 82ms/step
>7364, dr[0.617,0.691], df[0.726,0.027], g[0.970,0.030]
1/1 [=====] - 0s 96ms/step
>7365, dr[0.674,0.750], df[0.667,0.027], g[0.908,0.046]
1/1 [=====] - 0s 97ms/step
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>7366, dr[0.635,0.559], df[0.695,0.054], g[0.911,0.058]
1/1 [=====] - 0s 105ms/step
>7367, dr[0.681,0.360], df[0.761,0.034], g[0.966,0.037]
1/1 [=====] - 0s 105ms/step
>7368, dr[0.651,0.290], df[0.764,0.072], g[0.872,0.061]
1/1 [=====] - 0s 110ms/step
>7369, dr[0.702,0.501], df[0.695,0.022], g[0.856,0.094]
1/1 [=====] - 0s 97ms/step
>7370, dr[0.678,0.350], df[0.623,0.059], g[0.845,0.027]
1/1 [=====] - 0s 109ms/step
>7371, dr[0.621,0.555], df[0.597,0.019], g[0.926,0.042]
1/1 [=====] - 0s 94ms/step
>7372, dr[0.639,0.185], df[0.785,0.029], g[0.804,0.031]
1/1 [=====] - 0s 118ms/step
>7373, dr[0.677,0.673], df[0.710,0.078], g[0.914,0.032]
1/1 [=====] - 0s 79ms/step
>7374, dr[0.744,0.334], df[0.783,0.061], g[0.928,0.033]
1/1 [=====] - 0s 83ms/step
>7375, dr[0.763,0.298], df[0.736,0.055], g[0.895,0.046]
1/1 [=====] - 0s 88ms/step
>7376, dr[0.750,0.425], df[0.622,0.102], g[0.909,0.037]
1/1 [=====] - 0s 76ms/step
>7377, dr[0.671,0.549], df[0.694,0.023], g[0.963,0.033]
1/1 [=====] - 0s 78ms/step
>7378, dr[0.637,0.913], df[0.678,0.037], g[0.935,0.050]
1/1 [=====] - 0s 80ms/step
>7379, dr[0.598,0.503], df[0.750,0.067], g[0.987,0.041]
1/1 [=====] - 0s 77ms/step
>7380, dr[0.628,0.402], df[0.767,0.070], g[0.885,0.060]
1/1 [=====] - 0s 85ms/step
>7381, dr[0.726,0.355], df[0.639,0.058], g[0.922,0.044]
1/1 [=====] - 0s 76ms/step
>7382, dr[0.545,0.506], df[0.568,0.021], g[0.886,0.048]
1/1 [=====] - 0s 76ms/step
>7383, dr[0.528,0.331], df[0.706,0.123], g[1.083,0.062]
1/1 [=====] - 0s 82ms/step
>7384, dr[0.667,0.375], df[0.809,0.042], g[1.076,0.034]
1/1 [=====] - 0s 76ms/step
>7385, dr[0.814,0.493], df[0.540,0.039], g[0.924,0.038]
1/1 [=====] - 0s 79ms/step
>7386, dr[0.788,0.370], df[0.712,0.015], g[1.047,0.041]
1/1 [=====] - 0s 85ms/step
>7387, dr[0.684,1.219], df[0.751,0.044], g[0.928,0.048]
1/1 [=====] - 0s 81ms/step
>7388, dr[0.688,0.442], df[0.739,0.030], g[0.998,0.038]
1/1 [=====] - 0s 81ms/step
>7389, dr[0.661,0.884], df[0.785,0.032], g[0.950,0.030]
1/1 [=====] - 0s 78ms/step
>7390, dr[0.722,0.500], df[0.762,0.047], g[0.925,0.041]
1/1 [=====] - 0s 78ms/step
>7391, dr[0.692,0.623], df[0.662,0.049], g[0.995,0.034]
1/1 [=====] - 0s 86ms/step
>7392, dr[0.704,0.564], df[0.592,0.039], g[1.000,0.082]
1/1 [=====] - 0s 86ms/step
>7393, dr[0.715,0.491], df[0.623,0.015], g[0.826,0.027]
1/1 [=====] - 0s 86ms/step
>7394, dr[0.674,0.401], df[0.649,0.097], g[0.941,0.035]
1/1 [=====] - 0s 86ms/step
>7395, dr[0.715,0.319], df[0.659,0.041], g[0.854,0.055]
1/1 [=====] - 0s 77ms/step
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>7396, dr[0.656,0.541], df[0.635,0.029], g[0.884,0.029]
1/1 [=====] - 0s 79ms/step
>7397, dr[0.631,0.440], df[0.757,0.028], g[0.903,0.032]
1/1 [=====] - 0s 83ms/step
>7398, dr[0.568,0.522], df[0.616,0.103], g[0.863,0.043]
1/1 [=====] - 0s 85ms/step
>7399, dr[0.743,0.718], df[0.610,0.035], g[0.971,0.067]
1/1 [=====] - 0s 83ms/step
>7400, dr[0.621,0.587], df[0.843,0.056], g[0.949,0.020]
1/1 [=====] - 0s 77ms/step
>7401, dr[0.850,0.615], df[0.633,0.059], g[0.936,0.023]
1/1 [=====] - 0s 81ms/step
>7402, dr[0.722,0.612], df[0.847,0.016], g[0.828,0.033]
1/1 [=====] - 0s 85ms/step
>7403, dr[0.632,0.864], df[0.727,0.046], g[0.913,0.021]
1/1 [=====] - 0s 79ms/step
>7404, dr[0.780,0.659], df[0.874,0.050], g[0.807,0.066]
1/1 [=====] - 0s 79ms/step
>7405, dr[0.561,0.671], df[0.667,0.027], g[0.861,0.042]
1/1 [=====] - 0s 84ms/step
>7406, dr[0.663,0.423], df[0.667,0.024], g[0.866,0.090]
1/1 [=====] - 0s 79ms/step
>7407, dr[0.725,0.693], df[0.641,0.040], g[0.950,0.038]
1/1 [=====] - 0s 84ms/step
>7408, dr[0.647,0.529], df[0.636,0.044], g[0.878,0.053]
1/1 [=====] - 0s 77ms/step
>7409, dr[0.706,0.504], df[0.725,0.021], g[0.964,0.031]
1/1 [=====] - 0s 78ms/step
>7410, dr[0.616,0.384], df[0.671,0.025], g[0.912,0.072]
1/1 [=====] - 0s 83ms/step
>7411, dr[0.573,0.563], df[0.626,0.030], g[0.919,0.063]
1/1 [=====] - 0s 92ms/step
>7412, dr[0.649,0.579], df[0.621,0.050], g[0.897,0.028]
1/1 [=====] - 0s 80ms/step
>7413, dr[0.674,0.467], df[0.698,0.043], g[0.897,0.023]
1/1 [=====] - 0s 79ms/step
>7414, dr[0.697,0.303], df[0.635,0.023], g[0.881,0.047]
1/1 [=====] - 0s 78ms/step
>7415, dr[0.586,0.623], df[0.722,0.029], g[0.981,0.022]
1/1 [=====] - 0s 79ms/step
>7416, dr[0.789,0.175], df[0.643,0.039], g[0.945,0.030]
1/1 [=====] - 0s 88ms/step
>7417, dr[0.746,0.595], df[0.761,0.128], g[1.026,0.039]
1/1 [=====] - 0s 77ms/step
>7418, dr[0.625,0.283], df[0.691,0.096], g[1.024,0.018]
1/1 [=====] - 0s 79ms/step
>7419, dr[0.753,0.372], df[0.678,0.018], g[1.003,0.035]
1/1 [=====] - 0s 83ms/step
>7420, dr[0.715,0.266], df[0.592,0.029], g[0.897,0.034]
1/1 [=====] - 0s 81ms/step
>7421, dr[0.592,0.317], df[0.768,0.041], g[1.038,0.041]
1/1 [=====] - 0s 81ms/step
>7422, dr[0.748,0.580], df[0.642,0.035], g[1.011,0.055]
1/1 [=====] - 0s 79ms/step
>7423, dr[0.647,0.216], df[0.622,0.086], g[0.934,0.030]
1/1 [=====] - 0s 84ms/step
>7424, dr[0.600,0.377], df[0.726,0.058], g[0.945,0.052]
1/1 [=====] - 0s 83ms/step
>7425, dr[0.731,0.340], df[0.655,0.029], g[0.873,0.023]
1/1 [=====] - 0s 79ms/step
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>7426, dr[0.750,0.639], df[0.945,0.039], g[0.848,0.025]
1/1 [=====] - 0s 80ms/step
>7427, dr[0.643,0.272], df[0.723,0.019], g[0.905,0.069]
1/1 [=====] - 0s 84ms/step
>7428, dr[0.667,0.758], df[0.639,0.047], g[0.918,0.018]
1/1 [=====] - 0s 85ms/step
>7429, dr[0.712,0.710], df[0.714,0.022], g[0.902,0.038]
1/1 [=====] - 0s 77ms/step
>7430, dr[0.628,0.490], df[0.697,0.051], g[0.942,0.042]
1/1 [=====] - 0s 89ms/step
>7431, dr[0.775,0.405], df[0.695,0.051], g[0.886,0.028]
1/1 [=====] - 0s 78ms/step
>7432, dr[0.697,0.438], df[0.735,0.033], g[0.862,0.029]
1/1 [=====] - 0s 82ms/step
>7433, dr[0.638,0.850], df[0.706,0.102], g[0.933,0.046]
1/1 [=====] - 0s 84ms/step
>7434, dr[0.560,0.451], df[0.711,0.042], g[0.897,0.049]
1/1 [=====] - 0s 82ms/step
>7435, dr[0.687,0.666], df[0.652,0.020], g[0.890,0.057]
1/1 [=====] - 0s 83ms/step
>7436, dr[0.542,0.664], df[0.704,0.016], g[0.990,0.088]
1/1 [=====] - 0s 81ms/step
>7437, dr[0.756,0.451], df[0.683,0.035], g[0.889,0.034]
1/1 [=====] - 0s 77ms/step
>7438, dr[0.694,0.683], df[0.543,0.093], g[0.953,0.023]
1/1 [=====] - 0s 85ms/step
>7439, dr[0.653,0.632], df[0.759,0.044], g[0.982,0.053]
1/1 [=====] - 0s 79ms/step
>7440, dr[0.586,0.396], df[0.677,0.038], g[0.971,0.045]
1/1 [=====] - 0s 85ms/step
>7441, dr[0.720,0.561], df[0.701,0.069], g[0.990,0.041]
1/1 [=====] - 0s 84ms/step
>7442, dr[0.739,0.440], df[0.603,0.027], g[0.903,0.020]
1/1 [=====] - 0s 82ms/step
>7443, dr[0.620,0.319], df[0.711,0.035], g[0.914,0.043]
1/1 [=====] - 0s 78ms/step
>7444, dr[0.616,0.252], df[0.751,0.037], g[0.943,0.031]
1/1 [=====] - 0s 81ms/step
>7445, dr[0.664,0.293], df[0.617,0.022], g[1.015,0.023]
1/1 [=====] - 0s 82ms/step
>7446, dr[0.654,0.913], df[0.557,0.050], g[0.976,0.040]
1/1 [=====] - 0s 83ms/step
>7447, dr[0.636,0.621], df[0.644,0.024], g[0.901,0.074]
1/1 [=====] - 0s 78ms/step
>7448, dr[0.636,0.592], df[0.722,0.052], g[0.931,0.045]
1/1 [=====] - 0s 82ms/step
>7449, dr[0.736,0.401], df[0.700,0.059], g[0.941,0.044]
1/1 [=====] - 0s 85ms/step
>7450, dr[0.682,0.556], df[0.611,0.040], g[0.956,0.080]
1/1 [=====] - 0s 83ms/step
>7451, dr[0.650,0.600], df[0.648,0.062], g[0.907,0.046]
1/1 [=====] - 0s 78ms/step
>7452, dr[0.594,0.512], df[0.712,0.190], g[0.900,0.020]
1/1 [=====] - 0s 79ms/step
>7453, dr[0.641,0.637], df[0.556,0.042], g[0.966,0.024]
1/1 [=====] - 0s 78ms/step
>7454, dr[0.680,0.416], df[0.656,0.024], g[0.948,0.041]
1/1 [=====] - 0s 84ms/step
>7455, dr[0.719,0.384], df[0.783,0.101], g[0.864,0.028]
1/1 [=====] - 0s 81ms/step
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>7456, dr[0.490,0.185], df[0.648,0.091], g[0.984,0.034]
1/1 [=====] - 0s 80ms/step
>7457, dr[0.609,0.402], df[0.646,0.047], g[0.940,0.026]
1/1 [=====] - 0s 83ms/step
>7458, dr[0.771,0.642], df[0.682,0.037], g[0.936,0.040]
1/1 [=====] - 0s 77ms/step
>7459, dr[0.586,0.193], df[0.740,0.013], g[1.013,0.026]
1/1 [=====] - 0s 80ms/step
>7460, dr[0.838,0.842], df[0.649,0.046], g[0.962,0.025]
1/1 [=====] - 0s 77ms/step
>7461, dr[0.734,0.257], df[0.569,0.023], g[0.961,0.025]
1/1 [=====] - 0s 83ms/step
>7462, dr[0.574,0.520], df[0.765,0.023], g[0.956,0.017]
1/1 [=====] - 0s 82ms/step
>7463, dr[0.788,0.720], df[0.690,0.048], g[1.020,0.037]
1/1 [=====] - 0s 91ms/step
>7464, dr[0.687,0.537], df[0.752,0.026], g[0.916,0.068]
1/1 [=====] - 0s 80ms/step
>7465, dr[0.628,0.318], df[0.765,0.075], g[0.940,0.032]
1/1 [=====] - 0s 81ms/step
>7466, dr[0.890,0.775], df[0.697,0.016], g[0.914,0.087]
1/1 [=====] - 0s 77ms/step
>7467, dr[0.668,0.247], df[0.741,0.033], g[0.830,0.103]
1/1 [=====] - 0s 77ms/step
>7468, dr[0.649,0.653], df[0.581,0.040], g[0.816,0.065]
1/1 [=====] - 0s 79ms/step
>7469, dr[0.769,0.272], df[0.805,0.051], g[0.990,0.068]
1/1 [=====] - 0s 80ms/step
>7470, dr[0.726,0.435], df[0.794,0.049], g[0.864,0.044]
1/1 [=====] - 0s 83ms/step
>7471, dr[0.680,0.419], df[0.795,0.031], g[0.898,0.021]
1/1 [=====] - 0s 82ms/step
>7472, dr[0.612,0.349], df[0.675,0.037], g[0.868,0.044]
1/1 [=====] - 0s 76ms/step
>7473, dr[0.701,0.510], df[0.613,0.025], g[0.920,0.023]
1/1 [=====] - 0s 83ms/step
>7474, dr[0.661,0.296], df[0.719,0.047], g[0.877,0.026]
1/1 [=====] - 0s 76ms/step
>7475, dr[0.704,0.411], df[0.731,0.023], g[0.833,0.026]
1/1 [=====] - 0s 78ms/step
>7476, dr[0.615,0.590], df[0.610,0.025], g[0.952,0.038]
1/1 [=====] - 0s 80ms/step
>7477, dr[0.647,0.498], df[0.669,0.016], g[0.949,0.065]
1/1 [=====] - 0s 82ms/step
>7478, dr[0.776,0.421], df[0.755,0.022], g[0.896,0.026]
1/1 [=====] - 0s 85ms/step
>7479, dr[0.673,0.412], df[0.705,0.037], g[1.004,0.039]
1/1 [=====] - 0s 81ms/step
>7480, dr[0.748,0.666], df[0.735,0.026], g[0.863,0.022]
1/1 [=====] - 0s 76ms/step
>7481, dr[0.644,0.322], df[0.681,0.021], g[0.840,0.020]
1/1 [=====] - 0s 86ms/step
>7482, dr[0.587,0.445], df[0.799,0.026], g[0.926,0.019]
1/1 [=====] - 0s 77ms/step
>7483, dr[0.662,0.484], df[0.734,0.046], g[0.931,0.037]
1/1 [=====] - 0s 78ms/step
>7484, dr[0.715,0.306], df[0.579,0.040], g[1.037,0.038]
1/1 [=====] - 0s 82ms/step
>7485, dr[0.728,0.600], df[0.627,0.027], g[0.857,0.020]
1/1 [=====] - 0s 77ms/step
```

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>7486, dr[0.652,0.444], df[0.654,0.009], g[0.795,0.070]
1/1 [=====] - 0s 82ms/step
>7487, dr[0.691,0.387], df[0.851,0.023], g[0.990,0.020]
1/1 [=====] - 0s 94ms/step
>7488, dr[0.696,0.417], df[0.802,0.036], g[0.955,0.026]
1/1 [=====] - 0s 78ms/step
>7489, dr[0.743,0.637], df[0.757,0.136], g[0.901,0.056]
1/1 [=====] - 0s 87ms/step
>7490, dr[0.704,0.178], df[0.665,0.026], g[1.003,0.020]
1/1 [=====] - 0s 84ms/step
>7491, dr[0.619,0.548], df[0.654,0.093], g[1.077,0.018]
1/1 [=====] - 0s 80ms/step
>7492, dr[0.769,0.591], df[0.716,0.024], g[0.918,0.036]
1/1 [=====] - 0s 88ms/step
>7493, dr[0.770,0.388], df[0.735,0.024], g[0.941,0.032]
1/1 [=====] - 0s 78ms/step
>7494, dr[0.677,0.631], df[0.673,0.058], g[0.934,0.048]
1/1 [=====] - 0s 99ms/step
>7495, dr[0.633,0.547], df[0.728,0.091], g[0.972,0.037]
1/1 [=====] - 0s 86ms/step
>7496, dr[0.560,0.327], df[0.648,0.072], g[0.936,0.033]
4/4 [=====] - 0s 64ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_7496.png and model_7496.h5
1/1 [=====] - 0s 126ms/step
>7497, dr[0.739,0.493], df[0.761,0.040], g[0.871,0.035]
1/1 [=====] - 0s 137ms/step
>7498, dr[0.702,0.319], df[0.608,0.038], g[0.953,0.050]
1/1 [=====] - 0s 118ms/step
>7499, dr[0.709,0.568], df[0.804,0.041], g[0.892,0.035]
1/1 [=====] - 0s 104ms/step
>7500, dr[0.665,0.608], df[0.816,0.016], g[0.887,0.047]
1/1 [=====] - 0s 103ms/step
>7501, dr[0.697,0.660], df[0.682,0.055], g[1.048,0.031]
1/1 [=====] - 0s 90ms/step
>7502, dr[0.781,0.735], df[0.598,0.041], g[0.874,0.070]
1/1 [=====] - 0s 86ms/step
>7503, dr[0.765,0.322], df[0.763,0.031], g[0.917,0.043]
1/1 [=====] - 0s 82ms/step
>7504, dr[0.702,0.389], df[0.668,0.046], g[0.863,0.033]
1/1 [=====] - 0s 91ms/step
>7505, dr[0.702,0.565], df[0.811,0.021], g[0.910,0.041]
1/1 [=====] - 0s 86ms/step
>7506, dr[0.577,0.654], df[0.671,0.064], g[0.849,0.042]
1/1 [=====] - 0s 106ms/step
>7507, dr[0.711,0.449], df[0.691,0.045], g[0.998,0.027]
1/1 [=====] - 0s 90ms/step
>7508, dr[0.629,0.674], df[0.720,0.039], g[0.936,0.045]
1/1 [=====] - 0s 182ms/step
>7509, dr[0.710,0.423], df[0.682,0.035], g[0.927,0.022]
1/1 [=====] - 0s 86ms/step
>7510, dr[0.637,0.607], df[0.623,0.044], g[0.888,0.076]
1/1 [=====] - 0s 80ms/step
>7511, dr[0.730,0.450], df[0.634,0.109], g[0.842,0.026]
1/1 [=====] - 0s 83ms/step
>7512, dr[0.575,0.479], df[0.798,0.022], g[0.984,0.056]
1/1 [=====] - 0s 91ms/step
>7513, dr[0.653,0.477], df[0.745,0.127], g[1.013,0.023]
1/1 [=====] - 0s 87ms/step
```

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>7514, dr[0.865,0.640], df[0.631,0.020], g[0.940,0.025]
1/1 [=====] - 0s 88ms/step
>7515, dr[0.732,0.382], df[0.603,0.044], g[0.990,0.052]
1/1 [=====] - 0s 98ms/step
>7516, dr[0.655,0.587], df[0.615,0.018], g[0.901,0.029]
1/1 [=====] - 0s 92ms/step
>7517, dr[0.633,0.276], df[0.818,0.025], g[0.893,0.065]
1/1 [=====] - 0s 89ms/step
>7518, dr[0.641,0.375], df[0.926,0.049], g[0.918,0.034]
1/1 [=====] - 0s 96ms/step
>7519, dr[0.646,0.552], df[0.662,0.034], g[0.987,0.039]
1/1 [=====] - 0s 94ms/step
>7520, dr[0.715,0.671], df[0.636,0.021], g[0.897,0.056]
1/1 [=====] - 0s 84ms/step
>7521, dr[0.708,0.267], df[0.707,0.035], g[0.989,0.039]
1/1 [=====] - 0s 86ms/step
>7522, dr[0.667,0.463], df[0.542,0.011], g[1.005,0.022]
1/1 [=====] - 0s 95ms/step
>7523, dr[0.669,0.412], df[0.671,0.026], g[0.843,0.043]
1/1 [=====] - 0s 86ms/step
>7524, dr[0.721,0.509], df[0.742,0.079], g[0.858,0.027]
1/1 [=====] - 0s 121ms/step
>7525, dr[0.699,0.314], df[0.670,0.035], g[1.014,0.057]
1/1 [=====] - 0s 91ms/step
>7526, dr[0.670,0.316], df[0.755,0.063], g[0.895,0.022]
1/1 [=====] - 0s 90ms/step
>7527, dr[0.753,0.559], df[0.681,0.029], g[0.958,0.042]
1/1 [=====] - 0s 81ms/step
>7528, dr[0.635,0.406], df[0.675,0.017], g[0.872,0.053]
1/1 [=====] - 0s 83ms/step
>7529, dr[0.718,0.365], df[0.721,0.048], g[0.906,0.025]
1/1 [=====] - 0s 86ms/step
>7530, dr[0.545,0.342], df[0.629,0.019], g[0.944,0.040]
1/1 [=====] - 0s 80ms/step
>7531, dr[0.686,0.737], df[0.713,0.049], g[0.941,0.057]
1/1 [=====] - 0s 82ms/step
>7532, dr[0.666,0.437], df[0.846,0.024], g[0.908,0.055]
1/1 [=====] - 0s 95ms/step
>7533, dr[0.625,0.228], df[0.571,0.084], g[1.047,0.018]
1/1 [=====] - 0s 80ms/step
>7534, dr[0.652,0.509], df[0.597,0.064], g[0.829,0.029]
1/1 [=====] - 0s 86ms/step
>7535, dr[0.634,0.433], df[0.624,0.025], g[0.865,0.052]
1/1 [=====] - 0s 79ms/step
>7536, dr[0.728,0.909], df[0.731,0.048], g[0.898,0.043]
1/1 [=====] - 0s 80ms/step
>7537, dr[0.553,0.266], df[0.625,0.011], g[0.955,0.038]
1/1 [=====] - 0s 91ms/step
>7538, dr[0.665,0.354], df[0.767,0.068], g[0.889,0.017]
1/1 [=====] - 0s 86ms/step
>7539, dr[0.674,0.418], df[0.610,0.034], g[0.915,0.019]
1/1 [=====] - 0s 86ms/step
>7540, dr[0.787,0.388], df[0.805,0.032], g[0.875,0.034]
1/1 [=====] - 0s 92ms/step
>7541, dr[0.647,0.470], df[0.569,0.030], g[0.911,0.022]
1/1 [=====] - 0s 78ms/step
>7542, dr[0.601,0.410], df[0.646,0.044], g[0.933,0.038]
1/1 [=====] - 0s 87ms/step
>7543, dr[0.648,0.392], df[0.798,0.027], g[1.003,0.049]
1/1 [=====] - 0s 85ms/step
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>7544, dr[0.660,0.788], df[0.750,0.029], g[0.929,0.053]
1/1 [=====] - 0s 82ms/step
>7545, dr[0.676,0.330], df[0.760,0.065], g[1.123,0.020]
1/1 [=====] - 0s 83ms/step
>7546, dr[0.782,0.835], df[0.663,0.107], g[0.876,0.047]
1/1 [=====] - 0s 81ms/step
>7547, dr[0.779,0.296], df[0.811,0.046], g[0.978,0.047]
1/1 [=====] - 0s 86ms/step
>7548, dr[0.734,0.715], df[0.652,0.026], g[1.051,0.028]
1/1 [=====] - 0s 82ms/step
>7549, dr[0.742,0.706], df[0.700,0.071], g[0.995,0.037]
1/1 [=====] - 0s 80ms/step
>7550, dr[0.840,0.827], df[0.739,0.071], g[0.847,0.034]
1/1 [=====] - 0s 81ms/step
>7551, dr[0.729,0.262], df[0.793,0.042], g[0.917,0.054]
1/1 [=====] - 0s 88ms/step
>7552, dr[0.650,0.619], df[0.634,0.023], g[0.987,0.035]
1/1 [=====] - 0s 90ms/step
>7553, dr[0.546,0.389], df[0.638,0.036], g[0.917,0.047]
1/1 [=====] - 0s 80ms/step
>7554, dr[0.751,0.370], df[0.735,0.064], g[0.859,0.108]
1/1 [=====] - 0s 89ms/step
>7555, dr[0.624,0.790], df[0.682,0.019], g[0.898,0.046]
1/1 [=====] - 0s 81ms/step
>7556, dr[0.699,0.337], df[0.682,0.071], g[0.936,0.067]
1/1 [=====] - 0s 80ms/step
>7557, dr[0.704,0.747], df[0.678,0.040], g[0.939,0.038]
1/1 [=====] - 0s 96ms/step
>7558, dr[0.631,0.207], df[0.608,0.049], g[0.947,0.048]
1/1 [=====] - 0s 83ms/step
>7559, dr[0.648,0.572], df[0.870,0.103], g[0.892,0.024]
1/1 [=====] - 0s 85ms/step
>7560, dr[0.724,0.431], df[0.565,0.050], g[0.918,0.019]
1/1 [=====] - 0s 84ms/step
>7561, dr[0.916,0.785], df[0.638,0.035], g[0.834,0.053]
1/1 [=====] - 0s 80ms/step
>7562, dr[0.584,0.423], df[0.776,0.064], g[0.781,0.052]
1/1 [=====] - 0s 81ms/step
>7563, dr[0.606,0.218], df[0.625,0.032], g[0.900,0.043]
1/1 [=====] - 0s 90ms/step
>7564, dr[0.698,0.711], df[0.752,0.051], g[0.945,0.029]
1/1 [=====] - 0s 79ms/step
>7565, dr[0.581,0.202], df[0.603,0.040], g[0.973,0.034]
1/1 [=====] - 0s 80ms/step
>7566, dr[0.727,0.426], df[0.744,0.027], g[0.986,0.041]
1/1 [=====] - 0s 79ms/step
>7567, dr[0.701,0.456], df[0.834,0.059], g[0.988,0.032]
1/1 [=====] - 0s 80ms/step
>7568, dr[0.778,0.574], df[0.593,0.039], g[0.846,0.082]
1/1 [=====] - 0s 85ms/step
>7569, dr[0.760,0.475], df[0.701,0.048], g[0.896,0.036]
1/1 [=====] - 0s 83ms/step
>7570, dr[0.713,0.645], df[0.651,0.016], g[0.887,0.037]
1/1 [=====] - 0s 81ms/step
>7571, dr[0.727,0.692], df[0.797,0.064], g[0.839,0.024]
1/1 [=====] - 0s 89ms/step
>7572, dr[0.686,0.369], df[0.739,0.054], g[0.877,0.036]
1/1 [=====] - 0s 87ms/step
>7573, dr[0.734,0.794], df[0.815,0.034], g[0.893,0.052]
1/1 [=====] - 0s 77ms/step
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>7574, dr[0.653,0.503], df[0.650,0.068], g[0.898,0.036]
1/1 [=====] - 0s 86ms/step
>7575, dr[0.745,0.886], df[0.626,0.027], g[0.811,0.051]
1/1 [=====] - 0s 95ms/step
>7576, dr[0.714,0.598], df[0.726,0.025], g[0.852,0.026]
1/1 [=====] - 0s 104ms/step
>7577, dr[0.622,0.445], df[0.655,0.015], g[0.798,0.032]
1/1 [=====] - 0s 104ms/step
>7578, dr[0.631,0.307], df[0.690,0.072], g[0.828,0.052]
1/1 [=====] - 0s 109ms/step
>7579, dr[0.578,0.484], df[0.670,0.034], g[0.836,0.051]
1/1 [=====] - 0s 102ms/step
>7580, dr[0.716,0.407], df[0.700,0.030], g[0.791,0.023]
1/1 [=====] - 0s 79ms/step
>7581, dr[0.579,0.190], df[0.750,0.034], g[0.963,0.046]
1/1 [=====] - 0s 83ms/step
>7582, dr[0.616,0.778], df[0.623,0.027], g[0.934,0.039]
1/1 [=====] - 0s 77ms/step
>7583, dr[0.755,0.626], df[0.584,0.022], g[0.884,0.028]
1/1 [=====] - 0s 91ms/step
>7584, dr[0.642,0.497], df[0.650,0.023], g[0.930,0.046]
1/1 [=====] - 0s 107ms/step
>7585, dr[0.701,0.476], df[0.743,0.094], g[0.896,0.092]
1/1 [=====] - 0s 93ms/step
>7586, dr[0.658,0.480], df[0.762,0.102], g[0.912,0.054]
1/1 [=====] - 0s 80ms/step
>7587, dr[0.685,0.346], df[0.609,0.042], g[0.912,0.018]
1/1 [=====] - 0s 92ms/step
>7588, dr[0.644,0.551], df[0.741,0.044], g[0.858,0.028]
1/1 [=====] - 0s 77ms/step
>7589, dr[0.639,0.665], df[0.709,0.025], g[0.920,0.106]
1/1 [=====] - 0s 83ms/step
>7590, dr[0.612,0.649], df[0.655,0.009], g[0.853,0.061]
1/1 [=====] - 0s 110ms/step
>7591, dr[0.739,0.337], df[0.794,0.016], g[0.960,0.021]
1/1 [=====] - 0s 96ms/step
>7592, dr[0.690,0.132], df[0.677,0.023], g[0.897,0.020]
1/1 [=====] - 0s 98ms/step
>7593, dr[0.708,0.316], df[0.790,0.024], g[0.966,0.045]
1/1 [=====] - 0s 106ms/step
>7594, dr[0.663,0.399], df[0.659,0.125], g[0.895,0.033]
1/1 [=====] - 0s 87ms/step
>7595, dr[0.721,0.475], df[0.579,0.033], g[0.988,0.029]
1/1 [=====] - 0s 76ms/step
>7596, dr[0.666,0.518], df[0.823,0.027], g[0.822,0.039]
1/1 [=====] - 0s 79ms/step
>7597, dr[0.707,0.725], df[0.776,0.018], g[0.966,0.022]
1/1 [=====] - 0s 76ms/step
>7598, dr[0.677,0.682], df[0.810,0.030], g[0.863,0.036]
1/1 [=====] - 0s 77ms/step
>7599, dr[0.732,0.457], df[0.732,0.013], g[0.908,0.052]
1/1 [=====] - 0s 86ms/step
>7600, dr[0.710,0.338], df[0.623,0.022], g[0.940,0.045]
1/1 [=====] - 0s 77ms/step
>7601, dr[0.808,0.834], df[0.688,0.015], g[0.893,0.063]
1/1 [=====] - 0s 79ms/step
>7602, dr[0.583,0.851], df[0.707,0.024], g[0.870,0.053]
1/1 [=====] - 0s 88ms/step
>7603, dr[0.768,0.625], df[0.649,0.023], g[0.841,0.034]
1/1 [=====] - 0s 80ms/step
```

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>7604, dr[0.797,0.669], df[0.693,0.018], g[0.856,0.028]
1/1 [=====] - 0s 94ms/step
>7605, dr[0.611,0.877], df[0.643,0.015], g[0.832,0.038]
1/1 [=====] - 0s 79ms/step
>7606, dr[0.659,0.493], df[0.615,0.036], g[0.795,0.094]
1/1 [=====] - 0s 83ms/step
>7607, dr[0.605,0.449], df[0.778,0.033], g[0.926,0.069]
1/1 [=====] - 0s 81ms/step
>7608, dr[0.720,0.603], df[0.842,0.017], g[0.950,0.042]
1/1 [=====] - 0s 77ms/step
>7609, dr[0.747,0.407], df[0.572,0.083], g[0.838,0.022]
1/1 [=====] - 0s 83ms/step
>7610, dr[0.615,0.275], df[0.683,0.014], g[0.830,0.044]
1/1 [=====] - 0s 89ms/step
>7611, dr[0.758,0.428], df[0.648,0.015], g[0.886,0.034]
1/1 [=====] - 0s 79ms/step
>7612, dr[0.723,0.419], df[0.746,0.022], g[0.805,0.049]
1/1 [=====] - 0s 79ms/step
>7613, dr[0.614,0.484], df[0.744,0.034], g[0.801,0.054]
1/1 [=====] - 0s 81ms/step
>7614, dr[0.607,0.397], df[0.757,0.042], g[0.872,0.055]
1/1 [=====] - 0s 85ms/step
>7615, dr[0.656,0.404], df[0.649,0.046], g[0.879,0.031]
1/1 [=====] - 0s 79ms/step
>7616, dr[0.672,0.369], df[0.641,0.030], g[0.909,0.051]
1/1 [=====] - 0s 80ms/step
>7617, dr[0.637,0.498], df[0.673,0.017], g[0.851,0.030]
1/1 [=====] - 0s 86ms/step
>7618, dr[0.580,0.693], df[0.665,0.030], g[0.886,0.018]
1/1 [=====] - 0s 85ms/step
>7619, dr[0.623,0.322], df[0.647,0.029], g[0.901,0.042]
1/1 [=====] - 0s 77ms/step
>7620, dr[0.754,0.324], df[0.675,0.022], g[0.993,0.016]
1/1 [=====] - 0s 77ms/step
>7621, dr[0.696,0.320], df[0.675,0.037], g[0.905,0.037]
1/1 [=====] - 0s 84ms/step
>7622, dr[0.697,0.357], df[0.789,0.102], g[0.906,0.047]
1/1 [=====] - 0s 77ms/step
>7623, dr[0.647,0.364], df[0.576,0.030], g[0.885,0.032]
1/1 [=====] - 0s 97ms/step
>7624, dr[0.735,0.298], df[0.779,0.040], g[0.868,0.030]
1/1 [=====] - 0s 78ms/step
>7625, dr[0.644,0.408], df[0.771,0.032], g[0.831,0.023]
1/1 [=====] - 0s 78ms/step
>7626, dr[0.641,0.502], df[0.694,0.064], g[0.826,0.032]
1/1 [=====] - 0s 85ms/step
>7627, dr[0.636,0.506], df[0.736,0.021], g[0.937,0.118]
1/1 [=====] - 0s 79ms/step
>7628, dr[0.675,0.482], df[0.638,0.048], g[0.957,0.019]
1/1 [=====] - 0s 77ms/step
>7629, dr[0.758,0.816], df[0.649,0.071], g[0.876,0.120]
1/1 [=====] - 0s 86ms/step
>7630, dr[0.571,0.457], df[0.838,0.013], g[0.938,0.052]
1/1 [=====] - 0s 76ms/step
>7631, dr[0.716,0.804], df[0.779,0.041], g[0.925,0.036]
1/1 [=====] - 0s 84ms/step
>7632, dr[0.714,0.244], df[0.578,0.038], g[0.908,0.026]
1/1 [=====] - 0s 81ms/step
>7633, dr[0.684,0.620], df[0.656,0.029], g[0.885,0.028]
1/1 [=====] - 0s 77ms/step
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>7634, dr[0.678,0.816], df[0.707,0.101], g[0.938,0.026]
1/1 [=====] - 0s 86ms/step
>7635, dr[0.766,0.460], df[0.684,0.120], g[0.983,0.052]
1/1 [=====] - 0s 82ms/step
>7636, dr[0.682,0.390], df[0.751,0.028], g[0.871,0.038]
1/1 [=====] - 0s 78ms/step
>7637, dr[0.688,0.491], df[0.720,0.063], g[0.833,0.062]
1/1 [=====] - 0s 85ms/step
>7638, dr[0.666,0.228], df[0.608,0.040], g[0.876,0.044]
1/1 [=====] - 0s 86ms/step
>7639, dr[0.796,0.540], df[0.792,0.040], g[0.824,0.019]
1/1 [=====] - 0s 80ms/step
>7640, dr[0.683,0.491], df[0.694,0.061], g[0.815,0.024]
1/1 [=====] - 0s 78ms/step
>7641, dr[0.645,0.317], df[0.753,0.024], g[0.895,0.030]
1/1 [=====] - 0s 78ms/step
>7642, dr[0.693,0.690], df[0.652,0.019], g[0.907,0.038]
1/1 [=====] - 0s 84ms/step
>7643, dr[0.664,0.489], df[0.781,0.023], g[0.865,0.034]
1/1 [=====] - 0s 78ms/step
>7644, dr[0.595,0.396], df[0.677,0.032], g[0.887,0.022]
1/1 [=====] - 0s 78ms/step
>7645, dr[0.665,0.457], df[0.721,0.013], g[0.905,0.022]
1/1 [=====] - 0s 80ms/step
>7646, dr[0.735,0.592], df[0.749,0.034], g[0.883,0.024]
1/1 [=====] - 0s 82ms/step
>7647, dr[0.759,0.984], df[0.635,0.064], g[0.846,0.047]
1/1 [=====] - 0s 85ms/step
>7648, dr[0.645,0.418], df[0.765,0.042], g[0.858,0.055]
1/1 [=====] - 0s 79ms/step
>7649, dr[0.639,0.359], df[0.647,0.091], g[0.827,0.079]
1/1 [=====] - 0s 76ms/step
>7650, dr[0.667,0.770], df[0.650,0.039], g[0.918,0.048]
1/1 [=====] - 0s 93ms/step
>7651, dr[0.694,0.685], df[0.712,0.038], g[0.879,0.048]
1/1 [=====] - 0s 80ms/step
>7652, dr[0.665,0.618], df[0.745,0.077], g[0.906,0.029]
1/1 [=====] - 0s 81ms/step
>7653, dr[0.688,0.637], df[0.715,0.085], g[0.959,0.059]
1/1 [=====] - 0s 83ms/step
>7654, dr[0.754,0.639], df[0.657,0.021], g[0.851,0.031]
1/1 [=====] - 0s 98ms/step
>7655, dr[0.594,0.752], df[0.712,0.045], g[0.864,0.037]
1/1 [=====] - 0s 77ms/step
>7656, dr[0.548,0.339], df[0.581,0.028], g[0.959,0.046]
1/1 [=====] - 0s 85ms/step
>7657, dr[0.652,0.545], df[0.663,0.022], g[0.912,0.018]
1/1 [=====] - 0s 80ms/step
>7658, dr[0.612,0.317], df[0.756,0.015], g[1.004,0.027]
1/1 [=====] - 0s 79ms/step
>7659, dr[0.873,0.301], df[0.649,0.023], g[0.835,0.029]
1/1 [=====] - 0s 78ms/step
>7660, dr[0.643,0.241], df[0.649,0.084], g[0.932,0.029]
1/1 [=====] - 0s 82ms/step
>7661, dr[0.633,0.440], df[0.647,0.016], g[0.951,0.044]
1/1 [=====] - 0s 83ms/step
>7662, dr[0.748,0.527], df[0.695,0.054], g[0.911,0.040]
1/1 [=====] - 0s 88ms/step
>7663, dr[0.798,0.536], df[0.736,0.018], g[0.834,0.060]
1/1 [=====] - 0s 80ms/step
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>7664, dr[0.707,0.221], df[0.730,0.036], g[0.797,0.054]
1/1 [=====] - 0s 88ms/step
>7665, dr[0.650,0.409], df[0.725,0.024], g[0.849,0.041]
1/1 [=====] - 0s 83ms/step
>7666, dr[0.752,0.466], df[0.755,0.043], g[0.993,0.075]
1/1 [=====] - 0s 93ms/step
>7667, dr[0.535,0.666], df[0.653,0.040], g[1.010,0.049]
1/1 [=====] - 0s 92ms/step
>7668, dr[0.631,0.386], df[0.787,0.035], g[1.060,0.040]
1/1 [=====] - 0s 80ms/step
>7669, dr[0.787,0.371], df[0.661,0.041], g[1.019,0.026]
1/1 [=====] - 0s 81ms/step
>7670, dr[0.671,0.470], df[0.740,0.020], g[0.943,0.053]
1/1 [=====] - 0s 85ms/step
>7671, dr[0.745,0.603], df[0.695,0.044], g[0.994,0.053]
1/1 [=====] - 0s 78ms/step
>7672, dr[0.720,0.375], df[0.745,0.027], g[0.921,0.115]
1/1 [=====] - 0s 85ms/step
>7673, dr[0.686,0.527], df[0.724,0.033], g[0.891,0.034]
1/1 [=====] - 0s 80ms/step
>7674, dr[0.743,0.369], df[0.701,0.021], g[0.905,0.060]
1/1 [=====] - 0s 82ms/step
>7675, dr[0.695,0.910], df[0.723,0.022], g[0.978,0.037]
1/1 [=====] - 0s 82ms/step
>7676, dr[0.783,0.239], df[0.666,0.013], g[0.821,0.026]
1/1 [=====] - 0s 78ms/step
>7677, dr[0.606,0.512], df[0.646,0.035], g[0.981,0.030]
1/1 [=====] - 0s 83ms/step
>7678, dr[0.586,0.428], df[0.680,0.047], g[0.873,0.029]
1/1 [=====] - 0s 79ms/step
>7679, dr[0.728,0.271], df[0.644,0.043], g[0.885,0.044]
1/1 [=====] - 0s 81ms/step
>7680, dr[0.728,0.522], df[0.866,0.045], g[0.851,0.028]
1/1 [=====] - 0s 84ms/step
>7681, dr[0.632,0.912], df[0.744,0.143], g[0.929,0.045]
1/1 [=====] - 0s 78ms/step
>7682, dr[0.676,0.378], df[0.639,0.033], g[0.815,0.031]
1/1 [=====] - 0s 85ms/step
>7683, dr[0.736,0.593], df[0.904,0.021], g[0.929,0.035]
1/1 [=====] - 0s 84ms/step
>7684, dr[0.675,0.316], df[0.839,0.017], g[1.019,0.029]
1/1 [=====] - 0s 76ms/step
>7685, dr[0.818,0.540], df[0.740,0.043], g[0.997,0.028]
1/1 [=====] - 0s 78ms/step
>7686, dr[0.720,0.426], df[0.639,0.018], g[0.941,0.029]
1/1 [=====] - 0s 78ms/step
>7687, dr[0.777,0.266], df[0.642,0.026], g[0.952,0.018]
1/1 [=====] - 0s 88ms/step
>7688, dr[0.631,0.112], df[0.666,0.055], g[0.945,0.031]
1/1 [=====] - 0s 84ms/step
>7689, dr[0.671,0.475], df[0.682,0.034], g[0.813,0.026]
1/1 [=====] - 0s 131ms/step
>7690, dr[0.806,0.275], df[0.637,0.039], g[0.843,0.108]
1/1 [=====] - 0s 133ms/step
>7691, dr[0.597,0.269], df[0.742,0.038], g[0.969,0.019]
1/1 [=====] - 0s 164ms/step
>7692, dr[0.699,0.281], df[0.784,0.012], g[0.909,0.029]
1/1 [=====] - 0s 117ms/step
>7693, dr[0.582,0.444], df[0.731,0.031], g[0.924,0.060]
1/1 [=====] - 0s 151ms/step
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>7694, dr[0.760,0.414], df[0.659,0.038], g[0.889,0.039]
1/1 [=====] - 0s 127ms/step
>7695, dr[0.748,0.674], df[0.606,0.032], g[0.825,0.061]
1/1 [=====] - 0s 135ms/step
>7696, dr[0.682,0.460], df[0.623,0.042], g[0.876,0.046]
1/1 [=====] - 0s 94ms/step
>7697, dr[0.601,0.682], df[0.661,0.042], g[0.851,0.037]
1/1 [=====] - 0s 102ms/step
>7698, dr[0.690,0.425], df[0.686,0.030], g[0.876,0.027]
1/1 [=====] - 0s 121ms/step
>7699, dr[0.619,0.655], df[0.736,0.053], g[0.863,0.031]
1/1 [=====] - 0s 119ms/step
>7700, dr[0.643,0.300], df[0.788,0.031], g[0.999,0.025]
1/1 [=====] - 0s 125ms/step
>7701, dr[0.791,0.396], df[0.588,0.027], g[0.868,0.038]
1/1 [=====] - 0s 111ms/step
>7702, dr[0.898,0.498], df[0.692,0.021], g[0.919,0.024]
1/1 [=====] - 0s 107ms/step
>7703, dr[0.532,0.167], df[0.738,0.011], g[0.973,0.031]
1/1 [=====] - 0s 112ms/step
>7704, dr[0.701,0.467], df[0.635,0.052], g[0.856,0.021]
1/1 [=====] - 0s 102ms/step
>7705, dr[0.752,0.517], df[0.827,0.038], g[0.900,0.022]
1/1 [=====] - 0s 106ms/step
>7706, dr[0.717,0.361], df[0.796,0.027], g[1.013,0.018]
1/1 [=====] - 0s 84ms/step
>7707, dr[0.691,0.459], df[0.697,0.056], g[0.964,0.021]
1/1 [=====] - 0s 120ms/step
>7708, dr[0.604,0.179], df[0.648,0.014], g[0.936,0.031]
1/1 [=====] - 0s 88ms/step
>7709, dr[0.633,0.257], df[0.780,0.019], g[0.937,0.025]
1/1 [=====] - 0s 86ms/step
>7710, dr[0.714,0.718], df[0.631,0.045], g[0.805,0.043]
1/1 [=====] - 0s 86ms/step
>7711, dr[0.648,0.384], df[0.533,0.031], g[0.960,0.024]
1/1 [=====] - 0s 84ms/step
>7712, dr[0.764,0.665], df[0.839,0.039], g[0.828,0.039]
1/1 [=====] - 0s 91ms/step
>7713, dr[0.649,0.504], df[0.746,0.021], g[0.924,0.023]
1/1 [=====] - 0s 84ms/step
>7714, dr[0.659,0.654], df[0.683,0.026], g[0.849,0.031]
1/1 [=====] - 0s 96ms/step
>7715, dr[0.702,0.633], df[0.692,0.059], g[0.933,0.044]
1/1 [=====] - 0s 81ms/step
>7716, dr[0.617,0.470], df[0.581,0.030], g[0.748,0.033]
1/1 [=====] - 0s 85ms/step
>7717, dr[0.656,0.523], df[0.624,0.043], g[0.874,0.030]
1/1 [=====] - 0s 87ms/step
>7718, dr[0.635,0.656], df[0.698,0.066], g[0.848,0.013]
1/1 [=====] - 0s 100ms/step
>7719, dr[0.661,0.462], df[0.729,0.017], g[0.795,0.040]
1/1 [=====] - 0s 81ms/step
>7720, dr[0.684,0.701], df[0.745,0.077], g[0.903,0.025]
1/1 [=====] - 0s 117ms/step
>7721, dr[0.754,0.724], df[0.637,0.026], g[0.860,0.046]
1/1 [=====] - 0s 89ms/step
>7722, dr[0.536,0.818], df[0.766,0.051], g[0.857,0.024]
1/1 [=====] - 0s 81ms/step
>7723, dr[0.518,0.199], df[0.714,0.015], g[0.951,0.044]
1/1 [=====] - 0s 86ms/step
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>7724, dr[0.662,0.309], df[0.666,0.073], g[1.070,0.012]
1/1 [=====] - 0s 82ms/step
>7725, dr[0.791,0.378], df[0.510,0.027], g[0.952,0.042]
1/1 [=====] - 0s 80ms/step
>7726, dr[0.631,0.412], df[0.670,0.091], g[0.899,0.045]
1/1 [=====] - 0s 93ms/step
>7727, dr[0.643,0.558], df[0.736,0.012], g[0.947,0.060]
1/1 [=====] - 0s 90ms/step
>7728, dr[0.594,0.235], df[0.649,0.027], g[0.878,0.028]
1/1 [=====] - 0s 86ms/step
>7729, dr[0.614,0.687], df[0.629,0.025], g[0.860,0.032]
1/1 [=====] - 0s 83ms/step
>7730, dr[0.686,0.941], df[0.657,0.047], g[0.949,0.054]
1/1 [=====] - 0s 100ms/step
>7731, dr[0.819,0.594], df[0.900,0.035], g[0.914,0.028]
1/1 [=====] - 0s 88ms/step
>7732, dr[0.726,0.577], df[0.696,0.106], g[0.970,0.030]
1/1 [=====] - 0s 86ms/step
>7733, dr[0.805,0.733], df[0.684,0.028], g[0.867,0.060]
1/1 [=====] - 0s 118ms/step
>7734, dr[0.678,0.958], df[0.687,0.041], g[0.738,0.033]
1/1 [=====] - 0s 84ms/step
>7735, dr[0.583,0.457], df[0.762,0.046], g[0.892,0.032]
1/1 [=====] - 0s 88ms/step
>7736, dr[0.686,0.331], df[0.702,0.042], g[0.894,0.071]
1/1 [=====] - 0s 84ms/step
>7737, dr[0.755,0.647], df[0.683,0.024], g[0.848,0.045]
1/1 [=====] - 0s 79ms/step
>7738, dr[0.612,0.209], df[0.564,0.019], g[0.934,0.046]
1/1 [=====] - 0s 84ms/step
>7739, dr[0.733,0.532], df[0.731,0.045], g[0.942,0.033]
1/1 [=====] - 0s 94ms/step
>7740, dr[0.649,0.508], df[0.650,0.019], g[0.928,0.042]
1/1 [=====] - 0s 83ms/step
>7741, dr[0.580,0.344], df[0.734,0.047], g[0.982,0.035]
1/1 [=====] - 0s 81ms/step
>7742, dr[0.707,0.595], df[0.707,0.058], g[0.866,0.037]
1/1 [=====] - 0s 87ms/step
>7743, dr[0.749,0.626], df[0.824,0.042], g[0.917,0.034]
1/1 [=====] - 0s 94ms/step
>7744, dr[0.693,0.612], df[0.783,0.124], g[0.888,0.036]
1/1 [=====] - 0s 92ms/step
>7745, dr[0.574,0.203], df[0.691,0.091], g[1.060,0.026]
1/1 [=====] - 0s 140ms/step
>7746, dr[0.727,0.794], df[0.643,0.019], g[0.937,0.040]
1/1 [=====] - 0s 112ms/step
>7747, dr[0.637,0.521], df[0.588,0.035], g[0.958,0.083]
1/1 [=====] - 0s 130ms/step
>7748, dr[0.655,0.300], df[0.755,0.025], g[0.926,0.116]
1/1 [=====] - 0s 99ms/step
>7749, dr[0.669,0.602], df[0.644,0.049], g[0.858,0.026]
1/1 [=====] - 0s 87ms/step
>7750, dr[0.911,0.788], df[0.621,0.023], g[0.874,0.037]
1/1 [=====] - 0s 85ms/step
>7751, dr[0.776,0.600], df[0.687,0.019], g[0.833,0.028]
1/1 [=====] - 0s 100ms/step
>7752, dr[0.617,0.510], df[0.731,0.067], g[0.804,0.036]
1/1 [=====] - 0s 91ms/step
>7753, dr[0.620,0.599], df[0.733,0.019], g[0.844,0.044]
1/1 [=====] - 0s 77ms/step
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>7754, dr[0.649,0.578], df[0.693,0.012], g[0.924,0.042]
1/1 [=====] - 0s 93ms/step
>7755, dr[0.686,0.772], df[0.624,0.024], g[0.849,0.049]
1/1 [=====] - 0s 81ms/step
>7756, dr[0.551,0.260], df[0.675,0.034], g[0.892,0.038]
1/1 [=====] - 0s 79ms/step
>7757, dr[0.672,0.402], df[0.679,0.047], g[0.909,0.048]
1/1 [=====] - 0s 92ms/step
>7758, dr[0.650,0.369], df[0.622,0.098], g[1.015,0.041]
1/1 [=====] - 0s 78ms/step
>7759, dr[0.730,0.787], df[0.661,0.014], g[0.945,0.036]
1/1 [=====] - 0s 82ms/step
>7760, dr[0.612,0.384], df[0.813,0.059], g[0.823,0.041]
1/1 [=====] - 0s 78ms/step
>7761, dr[0.733,0.340], df[0.710,0.021], g[0.850,0.045]
1/1 [=====] - 0s 79ms/step
>7762, dr[0.754,0.524], df[0.676,0.074], g[0.855,0.026]
1/1 [=====] - 0s 104ms/step
>7763, dr[0.688,0.219], df[0.665,0.042], g[0.915,0.048]
1/1 [=====] - 0s 80ms/step
>7764, dr[0.753,0.744], df[0.626,0.053], g[0.945,0.036]
1/1 [=====] - 0s 80ms/step
>7765, dr[0.736,0.164], df[0.702,0.052], g[0.785,0.064]
1/1 [=====] - 0s 88ms/step
>7766, dr[0.746,0.347], df[0.732,0.027], g[0.859,0.047]
1/1 [=====] - 0s 84ms/step
>7767, dr[0.607,0.432], df[0.654,0.132], g[0.814,0.077]
1/1 [=====] - 0s 81ms/step
>7768, dr[0.788,0.362], df[0.711,0.043], g[0.847,0.086]
1/1 [=====] - 0s 80ms/step
>7769, dr[0.651,0.132], df[0.805,0.050], g[0.877,0.026]
1/1 [=====] - 0s 77ms/step
>7770, dr[0.607,0.234], df[0.797,0.019], g[0.889,0.032]
1/1 [=====] - 0s 91ms/step
>7771, dr[0.801,0.517], df[0.778,0.024], g[0.845,0.138]
1/1 [=====] - 0s 79ms/step
>7772, dr[0.708,0.496], df[0.821,0.032], g[0.982,0.039]
1/1 [=====] - 0s 78ms/step
>7773, dr[0.693,0.756], df[0.721,0.054], g[0.854,0.049]
1/1 [=====] - 0s 91ms/step
>7774, dr[0.678,0.705], df[0.645,0.066], g[0.940,0.038]
1/1 [=====] - 0s 81ms/step
>7775, dr[0.687,0.613], df[0.628,0.065], g[0.888,0.023]
1/1 [=====] - 0s 80ms/step
>7776, dr[0.580,0.307], df[0.818,0.026], g[0.951,0.025]
1/1 [=====] - 0s 81ms/step
>7777, dr[0.692,0.393], df[0.572,0.071], g[0.965,0.015]
1/1 [=====] - 0s 79ms/step
>7778, dr[0.781,0.453], df[0.724,0.017], g[0.934,0.037]
1/1 [=====] - 0s 98ms/step
>7779, dr[0.672,0.427], df[0.718,0.034], g[0.953,0.028]
1/1 [=====] - 0s 90ms/step
>7780, dr[0.742,0.514], df[0.800,0.055], g[0.832,0.028]
1/1 [=====] - 0s 78ms/step
>7781, dr[0.597,0.220], df[0.682,0.022], g[0.931,0.082]
1/1 [=====] - 0s 89ms/step
>7782, dr[0.608,0.419], df[0.644,0.030], g[0.882,0.035]
1/1 [=====] - 0s 78ms/step
>7783, dr[0.761,0.451], df[0.672,0.054], g[0.900,0.014]
1/1 [=====] - 0s 84ms/step
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>7784, dr[0.721,0.511], df[0.741,0.026], g[0.885,0.057]
1/1 [=====] - 0s 81ms/step
>7785, dr[0.723,0.384], df[0.706,0.051], g[0.965,0.056]
1/1 [=====] - 0s 79ms/step
>7786, dr[0.592,0.519], df[0.792,0.046], g[0.960,0.053]
1/1 [=====] - 0s 94ms/step
>7787, dr[0.619,0.430], df[0.554,0.033], g[1.075,0.043]
1/1 [=====] - 0s 82ms/step
>7788, dr[0.715,0.987], df[0.692,0.045], g[0.954,0.046]
1/1 [=====] - 0s 83ms/step
>7789, dr[0.604,0.472], df[0.708,0.043], g[0.910,0.037]
1/1 [=====] - 0s 90ms/step
>7790, dr[0.614,0.186], df[0.726,0.037], g[0.899,0.056]
1/1 [=====] - 0s 78ms/step
>7791, dr[0.732,0.571], df[0.669,0.048], g[1.038,0.049]
1/1 [=====] - 0s 80ms/step
>7792, dr[0.836,0.550], df[0.561,0.008], g[1.015,0.020]
1/1 [=====] - 0s 88ms/step
>7793, dr[0.614,0.567], df[0.627,0.019], g[0.951,0.021]
1/1 [=====] - 0s 83ms/step
>7794, dr[0.698,0.687], df[0.747,0.020], g[0.835,0.021]
1/1 [=====] - 0s 103ms/step
>7795, dr[0.662,0.462], df[0.708,0.018], g[0.922,0.048]
1/1 [=====] - 0s 101ms/step
>7796, dr[0.648,0.614], df[0.770,0.074], g[0.938,0.032]
1/1 [=====] - 0s 81ms/step
>7797, dr[0.622,0.714], df[0.651,0.013], g[0.991,0.072]
1/1 [=====] - 0s 80ms/step
>7798, dr[0.686,0.500], df[0.691,0.041], g[0.969,0.028]
1/1 [=====] - 0s 80ms/step
>7799, dr[0.871,0.496], df[0.595,0.027], g[0.975,0.042]
1/1 [=====] - 0s 88ms/step
>7800, dr[0.729,0.231], df[0.792,0.056], g[0.864,0.032]
1/1 [=====] - 0s 91ms/step
>7801, dr[0.676,0.419], df[0.794,0.031], g[0.816,0.056]
1/1 [=====] - 0s 81ms/step
>7802, dr[0.783,0.740], df[0.692,0.041], g[0.941,0.022]
1/1 [=====] - 0s 81ms/step
>7803, dr[0.593,0.508], df[0.760,0.044], g[0.888,0.034]
1/1 [=====] - 0s 84ms/step
>7804, dr[0.766,0.725], df[0.738,0.045], g[0.879,0.054]
1/1 [=====] - 0s 87ms/step
>7805, dr[0.661,0.302], df[0.917,0.026], g[0.970,0.050]
1/1 [=====] - 0s 89ms/step
>7806, dr[0.682,0.813], df[0.605,0.022], g[0.930,0.060]
1/1 [=====] - 0s 96ms/step
>7807, dr[0.665,0.416], df[0.787,0.039], g[0.898,0.083]
1/1 [=====] - 0s 100ms/step
>7808, dr[0.711,0.339], df[0.594,0.037], g[0.886,0.036]
1/1 [=====] - 0s 95ms/step
>7809, dr[0.784,0.509], df[0.739,0.018], g[0.938,0.080]
1/1 [=====] - 0s 82ms/step
>7810, dr[0.671,0.546], df[0.706,0.024], g[0.897,0.038]
1/1 [=====] - 0s 98ms/step
>7811, dr[0.696,0.591], df[0.682,0.055], g[0.918,0.025]
1/1 [=====] - 0s 83ms/step
>7812, dr[0.651,0.321], df[0.636,0.027], g[0.887,0.020]
1/1 [=====] - 0s 82ms/step
>7813, dr[0.786,0.276], df[0.686,0.018], g[0.852,0.037]
1/1 [=====] - 0s 89ms/step
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>7814, dr[0.660,0.399], df[0.688,0.024], g[0.962,0.042]
1/1 [=====] - 0s 89ms/step
>7815, dr[0.561,0.253], df[0.724,0.023], g[0.871,0.029]
1/1 [=====] - 0s 86ms/step
>7816, dr[0.679,0.531], df[0.712,0.090], g[0.876,0.022]
1/1 [=====] - 0s 104ms/step
>7817, dr[0.617,0.515], df[0.605,0.015], g[0.834,0.057]
1/1 [=====] - 0s 95ms/step
>7818, dr[0.686,0.713], df[0.754,0.058], g[0.850,0.056]
1/1 [=====] - 0s 95ms/step
>7819, dr[0.771,0.996], df[0.688,0.025], g[0.945,0.029]
1/1 [=====] - 0s 100ms/step
>7820, dr[0.585,0.642], df[0.688,0.010], g[0.923,0.086]
1/1 [=====] - 0s 95ms/step
>7821, dr[0.559,0.494], df[0.715,0.100], g[0.875,0.038]
1/1 [=====] - 0s 98ms/step
>7822, dr[0.680,0.487], df[0.632,0.020], g[0.948,0.019]
1/1 [=====] - 0s 90ms/step
>7823, dr[0.726,0.621], df[0.752,0.029], g[0.851,0.054]
1/1 [=====] - 0s 98ms/step
>7824, dr[0.652,0.348], df[0.707,0.021], g[0.847,0.023]
1/1 [=====] - 0s 91ms/step
>7825, dr[0.580,0.386], df[0.717,0.052], g[1.031,0.024]
1/1 [=====] - 0s 88ms/step
>7826, dr[0.713,0.569], df[0.617,0.047], g[0.946,0.087]
1/1 [=====] - 0s 95ms/step
>7827, dr[0.811,0.545], df[0.664,0.034], g[0.923,0.023]
1/1 [=====] - 0s 95ms/step
>7828, dr[0.611,0.371], df[0.651,0.017], g[0.864,0.068]
1/1 [=====] - 0s 90ms/step
>7829, dr[0.647,0.602], df[0.818,0.031], g[0.854,0.036]
1/1 [=====] - 0s 90ms/step
>7830, dr[0.648,0.317], df[0.666,0.024], g[0.969,0.027]
1/1 [=====] - 0s 95ms/step
>7831, dr[0.750,0.430], df[0.696,0.034], g[0.877,0.023]
1/1 [=====] - 0s 87ms/step
>7832, dr[0.683,0.437], df[0.781,0.035], g[0.766,0.065]
1/1 [=====] - 0s 87ms/step
>7833, dr[0.673,0.184], df[0.591,0.048], g[0.872,0.034]
1/1 [=====] - 0s 93ms/step
>7834, dr[0.684,0.509], df[0.681,0.053], g[0.869,0.039]
1/1 [=====] - 0s 90ms/step
>7835, dr[0.721,0.423], df[0.791,0.023], g[0.847,0.048]
1/1 [=====] - 0s 87ms/step
>7836, dr[0.729,0.670], df[0.751,0.033], g[0.987,0.072]
1/1 [=====] - 0s 101ms/step
>7837, dr[0.577,0.546], df[0.602,0.028], g[0.891,0.023]
1/1 [=====] - 0s 88ms/step
>7838, dr[0.710,0.200], df[0.735,0.043], g[0.812,0.026]
1/1 [=====] - 0s 90ms/step
>7839, dr[0.604,0.430], df[0.727,0.027], g[0.849,0.042]
1/1 [=====] - 0s 96ms/step
>7840, dr[0.658,0.441], df[0.673,0.046], g[1.011,0.114]
1/1 [=====] - 0s 95ms/step
>7841, dr[0.590,0.370], df[0.711,0.016], g[0.965,0.026]
1/1 [=====] - 0s 90ms/step
>7842, dr[0.819,0.366], df[0.687,0.020], g[0.959,0.052]
1/1 [=====] - 0s 91ms/step
>7843, dr[0.652,0.379], df[0.552,0.014], g[0.841,0.022]
1/1 [=====] - 0s 97ms/step
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>7844, dr[0.626,0.763], df[0.717,0.032], g[0.844,0.022]
1/1 [=====] - 0s 89ms/step
>7845, dr[0.673,0.344], df[0.694,0.023], g[0.888,0.024]
1/1 [=====] - 0s 90ms/step
>7846, dr[0.647,0.570], df[0.632,0.030], g[0.867,0.033]
1/1 [=====] - 0s 99ms/step
>7847, dr[0.735,0.546], df[0.740,0.021], g[0.900,0.030]
1/1 [=====] - 0s 96ms/step
>7848, dr[0.572,0.872], df[0.821,0.033], g[0.893,0.046]
1/1 [=====] - 0s 87ms/step
>7849, dr[0.610,0.376], df[0.785,0.021], g[0.891,0.045]
1/1 [=====] - 0s 93ms/step
>7850, dr[0.682,0.457], df[0.779,0.021], g[0.880,0.051]
1/1 [=====] - 0s 88ms/step
>7851, dr[0.847,0.326], df[0.666,0.019], g[0.980,0.032]
1/1 [=====] - 0s 78ms/step
>7852, dr[0.837,0.349], df[0.716,0.035], g[0.866,0.062]
1/1 [=====] - 0s 84ms/step
>7853, dr[0.627,0.514], df[0.678,0.042], g[0.912,0.016]
1/1 [=====] - 0s 82ms/step
>7854, dr[0.686,0.549], df[0.709,0.021], g[0.812,0.031]
1/1 [=====] - 0s 91ms/step
>7855, dr[0.594,0.491], df[0.684,0.053], g[0.912,0.033]
1/1 [=====] - 0s 83ms/step
>7856, dr[0.692,1.189], df[0.726,0.034], g[0.957,0.046]
1/1 [=====] - 0s 85ms/step
>7857, dr[0.710,0.490], df[0.709,0.029], g[0.904,0.035]
1/1 [=====] - 0s 93ms/step
>7858, dr[0.707,0.396], df[0.692,0.023], g[0.904,0.038]
1/1 [=====] - 0s 88ms/step
>7859, dr[0.723,0.823], df[0.681,0.066], g[0.908,0.010]
1/1 [=====] - 0s 92ms/step
>7860, dr[0.699,0.648], df[0.736,0.028], g[0.844,0.086]
1/1 [=====] - 0s 85ms/step
>7861, dr[0.649,0.435], df[0.689,0.021], g[0.967,0.039]
1/1 [=====] - 0s 86ms/step
>7862, dr[0.751,0.601], df[0.721,0.062], g[0.945,0.030]
1/1 [=====] - 0s 84ms/step
>7863, dr[0.697,0.422], df[0.671,0.020], g[0.886,0.036]
1/1 [=====] - 0s 88ms/step
>7864, dr[0.634,0.177], df[0.648,0.023], g[0.899,0.040]
1/1 [=====] - 0s 87ms/step
>7865, dr[0.698,0.431], df[0.599,0.044], g[0.921,0.027]
1/1 [=====] - 0s 107ms/step
>7866, dr[0.656,0.348], df[0.657,0.019], g[0.804,0.057]
1/1 [=====] - 0s 83ms/step
>7867, dr[0.528,0.346], df[0.664,0.046], g[0.825,0.033]
1/1 [=====] - 0s 90ms/step
>7868, dr[0.564,0.541], df[0.743,0.063], g[0.912,0.032]
1/1 [=====] - 0s 90ms/step
>7869, dr[0.678,0.746], df[0.655,0.037], g[0.889,0.050]
1/1 [=====] - 0s 80ms/step
>7870, dr[0.681,0.553], df[0.640,0.036], g[0.916,0.055]
1/1 [=====] - 0s 95ms/step
>7871, dr[0.625,0.609], df[0.683,0.039], g[0.954,0.026]
1/1 [=====] - 0s 84ms/step
>7872, dr[0.662,0.560], df[0.698,0.036], g[0.986,0.049]
1/1 [=====] - 0s 94ms/step
>7873, dr[0.698,0.534], df[0.702,0.041], g[0.887,0.065]
1/1 [=====] - 0s 95ms/step
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>7874, dr[0.763,0.282], df[0.648,0.025], g[0.946,0.016]
1/1 [=====] - 0s 77ms/step
>7875, dr[0.599,0.565], df[0.696,0.026], g[0.922,0.048]
1/1 [=====] - 0s 78ms/step
>7876, dr[0.683,0.210], df[0.607,0.041], g[0.815,0.039]
1/1 [=====] - 0s 91ms/step
>7877, dr[0.762,0.979], df[0.636,0.055], g[0.831,0.041]
1/1 [=====] - 0s 78ms/step
>7878, dr[0.568,0.468], df[0.695,0.098], g[0.856,0.043]
1/1 [=====] - 0s 86ms/step
>7879, dr[0.578,0.510], df[0.678,0.020], g[0.893,0.061]
1/1 [=====] - 0s 84ms/step
>7880, dr[0.645,0.509], df[0.704,0.012], g[0.839,0.042]
1/1 [=====] - 0s 79ms/step
>7881, dr[0.671,0.441], df[0.561,0.033], g[0.831,0.054]
1/1 [=====] - 0s 85ms/step
>7882, dr[0.732,0.432], df[0.734,0.048], g[0.827,0.023]
1/1 [=====] - 0s 84ms/step
>7883, dr[0.632,0.467], df[0.736,0.024], g[0.898,0.026]
1/1 [=====] - 0s 77ms/step
>7884, dr[0.710,0.704], df[0.765,0.030], g[0.929,0.071]
1/1 [=====] - 0s 85ms/step
>7885, dr[0.662,0.434], df[0.713,0.116], g[0.842,0.024]
1/1 [=====] - 0s 78ms/step
>7886, dr[0.615,0.686], df[0.607,0.021], g[0.846,0.028]
1/1 [=====] - 0s 85ms/step
>7887, dr[0.690,0.382], df[0.918,0.039], g[0.918,0.033]
1/1 [=====] - 0s 89ms/step
>7888, dr[0.653,0.387], df[0.626,0.022], g[0.930,0.025]
1/1 [=====] - 0s 80ms/step
>7889, dr[0.746,0.343], df[0.552,0.057], g[0.965,0.030]
1/1 [=====] - 0s 79ms/step
>7890, dr[0.761,0.254], df[0.714,0.015], g[0.858,0.021]
1/1 [=====] - 0s 82ms/step
>7891, dr[0.697,0.567], df[0.709,0.061], g[0.805,0.028]
1/1 [=====] - 0s 78ms/step
>7892, dr[0.562,0.463], df[0.628,0.037], g[0.908,0.046]
1/1 [=====] - 0s 81ms/step
>7893, dr[0.713,0.434], df[0.681,0.030], g[0.828,0.034]
1/1 [=====] - 0s 80ms/step
>7894, dr[0.693,0.835], df[0.621,0.033], g[0.858,0.029]
1/1 [=====] - 0s 76ms/step
>7895, dr[0.651,0.530], df[0.794,0.039], g[0.806,0.032]
1/1 [=====] - 0s 86ms/step
>7896, dr[0.686,0.374], df[0.651,0.052], g[0.814,0.032]
1/1 [=====] - 0s 78ms/step
>7897, dr[0.713,0.511], df[0.815,0.051], g[0.824,0.024]
1/1 [=====] - 0s 79ms/step
>7898, dr[0.665,0.359], df[0.689,0.019], g[0.870,0.037]
1/1 [=====] - 0s 87ms/step
>7899, dr[0.582,0.652], df[0.578,0.023], g[0.815,0.050]
1/1 [=====] - 0s 78ms/step
>7900, dr[0.656,0.476], df[0.797,0.031], g[0.784,0.031]
1/1 [=====] - 0s 90ms/step
>7901, dr[0.636,0.728], df[0.843,0.058], g[0.831,0.070]
1/1 [=====] - 0s 78ms/step
>7902, dr[0.655,0.589], df[0.623,0.042], g[0.809,0.027]
1/1 [=====] - 0s 79ms/step
>7903, dr[0.666,0.547], df[0.699,0.022], g[0.875,0.024]
1/1 [=====] - 0s 96ms/step
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>7904, dr[0.698,0.629], df[0.819,0.024], g[0.846,0.023]
1/1 [=====] - 0s 92ms/step
>7905, dr[0.740,0.471], df[0.661,0.022], g[0.899,0.023]
1/1 [=====] - 0s 102ms/step
>7906, dr[0.704,0.733], df[0.717,0.034], g[0.901,0.037]
1/1 [=====] - 0s 95ms/step
>7907, dr[0.671,0.615], df[0.741,0.158], g[0.806,0.026]
1/1 [=====] - 0s 88ms/step
>7908, dr[0.674,0.578], df[0.737,0.039], g[0.928,0.024]
1/1 [=====] - 0s 110ms/step
>7909, dr[0.757,0.653], df[0.813,0.021], g[0.844,0.026]
1/1 [=====] - 0s 80ms/step
>7910, dr[0.748,0.713], df[0.704,0.067], g[0.862,0.043]
1/1 [=====] - 0s 88ms/step
>7911, dr[0.661,0.689], df[0.718,0.042], g[0.828,0.038]
1/1 [=====] - 0s 80ms/step
>7912, dr[0.633,0.191], df[0.621,0.028], g[0.849,0.038]
1/1 [=====] - 0s 80ms/step
>7913, dr[0.678,0.578], df[0.708,0.027], g[0.889,0.122]
1/1 [=====] - 0s 86ms/step
>7914, dr[0.649,0.529], df[0.670,0.026], g[0.896,0.035]
1/1 [=====] - 0s 81ms/step
>7915, dr[0.583,0.503], df[0.747,0.038], g[0.863,0.101]
1/1 [=====] - 0s 85ms/step
>7916, dr[0.646,0.451], df[0.674,0.046], g[0.992,0.032]
1/1 [=====] - 0s 83ms/step
>7917, dr[0.757,0.593], df[0.630,0.026], g[0.938,0.029]
1/1 [=====] - 0s 92ms/step
>7918, dr[0.652,0.592], df[0.659,0.025], g[0.847,0.041]
1/1 [=====] - 0s 86ms/step
>7919, dr[0.677,0.182], df[0.671,0.029], g[0.927,0.032]
1/1 [=====] - 0s 96ms/step
>7920, dr[0.710,0.572], df[0.713,0.016], g[0.890,0.042]
1/1 [=====] - 0s 87ms/step
>7921, dr[0.594,0.878], df[0.812,0.026], g[0.907,0.030]
1/1 [=====] - 0s 87ms/step
>7922, dr[0.731,0.335], df[0.753,0.022], g[0.995,0.047]
1/1 [=====] - 0s 91ms/step
>7923, dr[0.711,0.310], df[0.662,0.054], g[0.879,0.031]
1/1 [=====] - 0s 85ms/step
>7924, dr[0.689,0.362], df[0.738,0.056], g[0.901,0.023]
1/1 [=====] - 0s 89ms/step
>7925, dr[0.762,0.362], df[0.577,0.029], g[0.892,0.037]
1/1 [=====] - 0s 94ms/step
>7926, dr[0.650,0.181], df[0.621,0.050], g[0.867,0.039]
1/1 [=====] - 0s 86ms/step
>7927, dr[0.736,0.687], df[0.676,0.028], g[0.749,0.031]
1/1 [=====] - 0s 87ms/step
>7928, dr[0.639,0.503], df[0.822,0.047], g[0.914,0.031]
1/1 [=====] - 0s 88ms/step
>7929, dr[0.607,0.351], df[0.699,0.016], g[0.854,0.036]
1/1 [=====] - 0s 85ms/step
>7930, dr[0.672,0.826], df[0.623,0.024], g[0.823,0.046]
1/1 [=====] - 0s 86ms/step
>7931, dr[0.805,0.574], df[0.731,0.026], g[0.847,0.026]
1/1 [=====] - 0s 83ms/step
>7932, dr[0.594,0.542], df[0.873,0.026], g[0.968,0.022]
1/1 [=====] - 0s 96ms/step
>7933, dr[0.728,0.607], df[0.691,0.035], g[0.891,0.062]
1/1 [=====] - 0s 92ms/step
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>7934, dr[0.795,0.500], df[0.682,0.031], g[0.813,0.039]
1/1 [=====] - 0s 89ms/step
>7935, dr[0.519,0.258], df[0.753,0.036], g[0.866,0.047]
1/1 [=====] - 0s 84ms/step
>7936, dr[0.693,0.716], df[0.780,0.049], g[0.861,0.052]
1/1 [=====] - 0s 86ms/step
>7937, dr[0.705,0.525], df[0.816,0.022], g[0.826,0.044]
1/1 [=====] - 0s 83ms/step
>7938, dr[0.735,0.229], df[0.631,0.031], g[0.935,0.048]
1/1 [=====] - 0s 83ms/step
>7939, dr[0.614,0.358], df[0.702,0.046], g[0.837,0.156]
1/1 [=====] - 0s 94ms/step
>7940, dr[0.770,0.366], df[0.637,0.031], g[0.935,0.027]
1/1 [=====] - 0s 102ms/step
>7941, dr[0.751,0.538], df[0.847,0.031], g[0.864,0.029]
1/1 [=====] - 0s 88ms/step
>7942, dr[0.628,0.622], df[0.647,0.027], g[0.926,0.028]
1/1 [=====] - 0s 97ms/step
>7943, dr[0.654,0.558], df[0.770,0.025], g[0.856,0.056]
1/1 [=====] - 0s 81ms/step
>7944, dr[0.701,0.495], df[0.695,0.038], g[0.948,0.042]
1/1 [=====] - 0s 84ms/step
>7945, dr[0.660,0.619], df[0.727,0.037], g[0.884,0.098]
1/1 [=====] - 0s 86ms/step
>7946, dr[0.626,0.701], df[0.716,0.057], g[0.877,0.021]
1/1 [=====] - 0s 89ms/step
>7947, dr[0.869,0.322], df[0.683,0.039], g[0.888,0.035]
1/1 [=====] - 0s 83ms/step
>7948, dr[0.632,0.590], df[0.687,0.053], g[0.783,0.027]
1/1 [=====] - 0s 91ms/step
>7949, dr[0.567,0.553], df[0.752,0.063], g[0.898,0.014]
1/1 [=====] - 0s 87ms/step
>7950, dr[0.682,0.593], df[0.687,0.079], g[0.745,0.051]
1/1 [=====] - 0s 98ms/step
>7951, dr[0.691,0.635], df[0.663,0.042], g[0.868,0.053]
1/1 [=====] - 0s 92ms/step
>7952, dr[0.733,0.724], df[0.659,0.068], g[0.801,0.041]
1/1 [=====] - 0s 79ms/step
>7953, dr[0.742,0.929], df[0.812,0.054], g[0.744,0.043]
1/1 [=====] - 0s 84ms/step
>7954, dr[0.656,0.639], df[0.697,0.026], g[0.836,0.021]
1/1 [=====] - 0s 82ms/step
>7955, dr[0.623,0.453], df[0.744,0.024], g[0.844,0.040]
1/1 [=====] - 0s 84ms/step
>7956, dr[0.612,0.229], df[0.744,0.028], g[0.870,0.044]
1/1 [=====] - 0s 83ms/step
>7957, dr[0.590,0.886], df[0.684,0.041], g[0.834,0.046]
1/1 [=====] - 0s 89ms/step
>7958, dr[0.645,0.506], df[0.552,0.018], g[0.856,0.058]
1/1 [=====] - 0s 98ms/step
>7959, dr[0.679,0.656], df[0.805,0.023], g[0.887,0.084]
1/1 [=====] - 0s 102ms/step
>7960, dr[0.698,0.104], df[0.613,0.029], g[0.932,0.026]
1/1 [=====] - 0s 87ms/step
>7961, dr[0.606,0.424], df[0.719,0.026], g[0.863,0.039]
1/1 [=====] - 0s 173ms/step
>7962, dr[0.760,0.357], df[0.754,0.077], g[0.903,0.038]
1/1 [=====] - 0s 90ms/step
>7963, dr[0.871,0.236], df[0.807,0.032], g[0.854,0.023]
1/1 [=====] - 0s 87ms/step
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>7964, dr[0.716,0.254], df[0.666,0.026], g[0.894,0.033]
1/1 [=====] - 0s 88ms/step
>7965, dr[0.732,0.366], df[0.702,0.026], g[0.872,0.039]
1/1 [=====] - 0s 114ms/step
>7966, dr[0.709,0.593], df[0.776,0.016], g[0.996,0.056]
1/1 [=====] - 0s 79ms/step
>7967, dr[0.604,0.495], df[0.689,0.086], g[0.948,0.030]
1/1 [=====] - 0s 91ms/step
>7968, dr[0.646,0.240], df[0.687,0.074], g[0.937,0.053]
1/1 [=====] - 0s 84ms/step
>7969, dr[0.680,0.653], df[0.660,0.020], g[0.982,0.021]
1/1 [=====] - 0s 93ms/step
>7970, dr[0.672,0.503], df[0.627,0.019], g[0.909,0.018]
1/1 [=====] - 0s 86ms/step
>7971, dr[0.632,0.493], df[0.658,0.026], g[0.961,0.038]
1/1 [=====] - 0s 85ms/step
>7972, dr[0.705,0.577], df[0.680,0.037], g[0.801,0.069]
1/1 [=====] - 0s 87ms/step
>7973, dr[0.671,0.412], df[0.719,0.039], g[0.884,0.040]
1/1 [=====] - 0s 83ms/step
>7974, dr[0.646,0.390], df[0.595,0.044], g[0.979,0.041]
1/1 [=====] - 0s 86ms/step
>7975, dr[0.781,0.522], df[0.626,0.036], g[0.839,0.022]
1/1 [=====] - 0s 78ms/step
>7976, dr[0.669,0.612], df[0.867,0.014], g[0.931,0.035]
1/1 [=====] - 0s 81ms/step
>7977, dr[0.781,0.374], df[0.677,0.030], g[0.955,0.028]
1/1 [=====] - 0s 99ms/step
>7978, dr[0.640,0.264], df[0.702,0.037], g[0.870,0.027]
1/1 [=====] - 0s 85ms/step
>7979, dr[0.746,0.473], df[0.744,0.021], g[0.790,0.109]
1/1 [=====] - 0s 84ms/step
>7980, dr[0.608,0.652], df[0.728,0.023], g[0.875,0.047]
1/1 [=====] - 0s 88ms/step
>7981, dr[0.665,0.556], df[0.655,0.055], g[0.892,0.032]
1/1 [=====] - 0s 85ms/step
>7982, dr[0.592,0.213], df[0.679,0.042], g[0.878,0.047]
1/1 [=====] - 0s 82ms/step
>7983, dr[0.665,0.522], df[0.673,0.024], g[0.901,0.033]
1/1 [=====] - 0s 97ms/step
>7984, dr[0.746,0.588], df[0.701,0.033], g[0.914,0.028]
1/1 [=====] - 0s 96ms/step
>7985, dr[0.697,0.535], df[0.721,0.042], g[1.036,0.051]
1/1 [=====] - 0s 213ms/step
>7986, dr[0.624,0.527], df[0.724,0.012], g[0.814,0.074]
1/1 [=====] - 0s 87ms/step
>7987, dr[0.629,0.562], df[0.739,0.076], g[0.976,0.024]
1/1 [=====] - 0s 112ms/step
>7988, dr[0.637,0.605], df[0.637,0.063], g[0.948,0.028]
1/1 [=====] - 0s 83ms/step
>7989, dr[0.677,0.613], df[0.725,0.036], g[0.972,0.054]
1/1 [=====] - 0s 79ms/step
>7990, dr[0.757,0.548], df[0.716,0.058], g[0.938,0.085]
1/1 [=====] - 0s 79ms/step
>7991, dr[0.687,0.297], df[0.696,0.082], g[0.946,0.030]
1/1 [=====] - 0s 87ms/step
>7992, dr[0.738,0.486], df[0.611,0.023], g[0.809,0.053]
1/1 [=====] - 0s 82ms/step
>7993, dr[0.686,0.595], df[0.758,0.015], g[0.951,0.016]
1/1 [=====] - 0s 77ms/step
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>7994, dr[0.832,0.556], df[0.673,0.023], g[0.831,0.040]
1/1 [=====] - 0s 93ms/step
>7995, dr[0.660,0.333], df[0.697,0.032], g[0.865,0.058]
1/1 [=====] - 0s 75ms/step
>7996, dr[0.675,0.702], df[0.670,0.052], g[0.872,0.024]
1/1 [=====] - 0s 86ms/step
>7997, dr[0.592,0.362], df[0.788,0.028], g[0.907,0.043]
1/1 [=====] - 0s 96ms/step
>7998, dr[0.744,0.446], df[0.809,0.028], g[0.915,0.090]
1/1 [=====] - 0s 81ms/step
>7999, dr[0.707,0.761], df[0.713,0.016], g[0.860,0.056]
1/1 [=====] - 0s 77ms/step
>8000, dr[0.654,0.625], df[0.609,0.023], g[0.928,0.037]
1/1 [=====] - 0s 77ms/step
>8001, dr[0.717,0.308], df[0.752,0.018], g[0.835,0.029]
1/1 [=====] - 0s 79ms/step
>8002, dr[0.689,0.667], df[0.521,0.027], g[0.872,0.022]
1/1 [=====] - 0s 84ms/step
>8003, dr[0.699,0.665], df[0.754,0.019], g[0.853,0.031]
1/1 [=====] - 0s 82ms/step
>8004, dr[0.701,0.854], df[0.729,0.033], g[0.866,0.020]
1/1 [=====] - 0s 82ms/step
>8005, dr[0.599,0.345], df[0.870,0.020], g[0.928,0.027]
1/1 [=====] - 0s 88ms/step
>8006, dr[0.668,0.542], df[0.757,0.019], g[0.971,0.029]
1/1 [=====] - 0s 81ms/step
>8007, dr[0.651,0.729], df[0.516,0.027], g[1.022,0.036]
1/1 [=====] - 0s 92ms/step
>8008, dr[0.623,0.445], df[0.733,0.030], g[0.846,0.016]
1/1 [=====] - 0s 83ms/step
>8009, dr[0.595,0.323], df[0.649,0.052], g[0.870,0.027]
1/1 [=====] - 0s 78ms/step
>8010, dr[0.773,0.750], df[0.802,0.107], g[0.866,0.057]
1/1 [=====] - 0s 91ms/step
>8011, dr[0.750,0.495], df[0.761,0.026], g[0.872,0.028]
1/1 [=====] - 0s 85ms/step
>8012, dr[0.663,0.510], df[0.690,0.030], g[0.873,0.027]
1/1 [=====] - 0s 85ms/step
>8013, dr[0.726,0.323], df[0.766,0.049], g[0.915,0.018]
1/1 [=====] - 0s 85ms/step
>8014, dr[0.760,0.739], df[0.671,0.031], g[0.936,0.034]
1/1 [=====] - 0s 81ms/step
>8015, dr[0.682,0.698], df[0.688,0.027], g[0.815,0.049]
1/1 [=====] - 0s 80ms/step
>8016, dr[0.725,0.437], df[0.777,0.046], g[0.847,0.031]
1/1 [=====] - 0s 79ms/step
>8017, dr[0.702,0.301], df[0.622,0.027], g[0.842,0.043]
1/1 [=====] - 0s 78ms/step
>8018, dr[0.673,0.479], df[0.790,0.019], g[0.903,0.020]
1/1 [=====] - 0s 86ms/step
>8019, dr[0.641,0.379], df[0.686,0.053], g[0.917,0.028]
1/1 [=====] - 0s 85ms/step
>8020, dr[0.659,0.583], df[0.637,0.037], g[0.847,0.037]
1/1 [=====] - 0s 80ms/step
>8021, dr[0.720,0.709], df[0.599,0.022], g[0.880,0.044]
1/1 [=====] - 0s 100ms/step
>8022, dr[0.711,0.596], df[0.883,0.027], g[0.795,0.020]
1/1 [=====] - 0s 79ms/step
>8023, dr[0.692,0.325], df[0.765,0.084], g[1.013,0.031]
1/1 [=====] - 0s 81ms/step
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>8024, dr[0.727,0.743], df[0.713,0.032], g[0.865,0.035]
1/1 [=====] - 0s 109ms/step
>8025, dr[0.712,0.297], df[0.669,0.068], g[0.895,0.024]
1/1 [=====] - 0s 88ms/step
>8026, dr[0.665,0.370], df[0.774,0.035], g[0.955,0.022]
1/1 [=====] - 0s 96ms/step
>8027, dr[0.727,0.654], df[0.668,0.035], g[0.802,0.027]
1/1 [=====] - 0s 91ms/step
>8028, dr[0.661,0.599], df[0.701,0.014], g[0.861,0.022]
1/1 [=====] - 0s 80ms/step
>8029, dr[0.782,0.638], df[0.599,0.086], g[0.862,0.020]
1/1 [=====] - 0s 84ms/step
>8030, dr[0.683,0.821], df[0.735,0.024], g[0.857,0.046]
1/1 [=====] - 0s 77ms/step
>8031, dr[0.639,0.787], df[0.647,0.058], g[0.829,0.026]
1/1 [=====] - 0s 81ms/step
>8032, dr[0.584,0.482], df[0.681,0.059], g[0.903,0.028]
1/1 [=====] - 0s 87ms/step
>8033, dr[0.785,0.230], df[0.707,0.029], g[0.850,0.023]
1/1 [=====] - 0s 78ms/step
>8034, dr[0.681,0.336], df[0.691,0.037], g[0.880,0.020]
1/1 [=====] - 0s 83ms/step
>8035, dr[0.685,0.337], df[0.737,0.031], g[0.943,0.016]
1/1 [=====] - 0s 92ms/step
>8036, dr[0.625,0.468], df[0.752,0.053], g[0.856,0.015]
1/1 [=====] - 0s 80ms/step
>8037, dr[0.642,0.378], df[0.728,0.046], g[0.791,0.039]
1/1 [=====] - 0s 79ms/step
>8038, dr[0.800,0.313], df[0.779,0.042], g[0.956,0.018]
1/1 [=====] - 0s 77ms/step
>8039, dr[0.739,0.411], df[0.688,0.040], g[0.863,0.033]
1/1 [=====] - 0s 80ms/step
>8040, dr[0.720,0.295], df[0.674,0.092], g[0.900,0.024]
1/1 [=====] - 0s 83ms/step
>8041, dr[0.718,0.435], df[0.808,0.028], g[0.846,0.044]
1/1 [=====] - 0s 79ms/step
>8042, dr[0.586,0.330], df[0.675,0.055], g[0.894,0.015]
1/1 [=====] - 0s 78ms/step
>8043, dr[0.822,0.318], df[0.744,0.020], g[0.903,0.021]
1/1 [=====] - 0s 88ms/step
>8044, dr[0.768,0.899], df[0.708,0.037], g[0.971,0.045]
1/1 [=====] - 0s 79ms/step
>8045, dr[0.653,0.285], df[0.745,0.048], g[0.942,0.043]
1/1 [=====] - 0s 81ms/step
>8046, dr[0.636,0.520], df[0.647,0.009], g[0.965,0.031]
1/1 [=====] - 0s 87ms/step
>8047, dr[0.593,0.212], df[0.652,0.032], g[0.938,0.038]
1/1 [=====] - 0s 77ms/step
>8048, dr[0.769,0.329], df[0.659,0.039], g[0.945,0.022]
1/1 [=====] - 0s 87ms/step
>8049, dr[0.667,0.661], df[0.798,0.018], g[0.916,0.024]
1/1 [=====] - 0s 77ms/step
>8050, dr[0.703,0.598], df[0.653,0.028], g[0.919,0.030]
1/1 [=====] - 0s 80ms/step
>8051, dr[0.634,0.773], df[0.691,0.083], g[0.961,0.048]
1/1 [=====] - 0s 84ms/step
>8052, dr[0.676,0.190], df[0.762,0.030], g[0.860,0.020]
1/1 [=====] - 0s 78ms/step
>8053, dr[0.663,0.714], df[0.735,0.050], g[1.066,0.031]
1/1 [=====] - 0s 83ms/step
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>8054, dr[0.632,0.489], df[0.698,0.015], g[0.901,0.029]
1/1 [=====] - 0s 78ms/step
>8055, dr[0.809,0.518], df[0.702,0.113], g[0.996,0.020]
1/1 [=====] - 0s 81ms/step
>8056, dr[0.722,0.190], df[0.721,0.034], g[0.977,0.028]
1/1 [=====] - 0s 85ms/step
>8057, dr[0.614,0.936], df[0.686,0.046], g[0.842,0.029]
1/1 [=====] - 0s 79ms/step
>8058, dr[0.759,0.425], df[0.595,0.044], g[0.910,0.049]
1/1 [=====] - 0s 96ms/step
>8059, dr[0.664,0.388], df[0.656,0.068], g[0.834,0.037]
1/1 [=====] - 0s 81ms/step
>8060, dr[0.597,0.222], df[0.804,0.050], g[0.913,0.050]
1/1 [=====] - 0s 78ms/step
>8061, dr[0.569,0.683], df[0.749,0.030], g[1.007,0.029]
1/1 [=====] - 0s 85ms/step
>8062, dr[0.804,0.503], df[0.701,0.028], g[0.972,0.045]
1/1 [=====] - 0s 81ms/step
>8063, dr[0.634,0.567], df[0.622,0.052], g[0.952,0.038]
1/1 [=====] - 0s 81ms/step
>8064, dr[0.896,0.438], df[0.705,0.089], g[0.921,0.058]
1/1 [=====] - 0s 90ms/step
>8065, dr[0.663,0.435], df[0.928,0.027], g[0.928,0.033]
1/1 [=====] - 0s 78ms/step
>8066, dr[0.622,0.823], df[0.669,0.028], g[0.920,0.044]
1/1 [=====] - 0s 80ms/step
>8067, dr[0.707,0.407], df[0.675,0.110], g[0.983,0.032]
1/1 [=====] - 0s 80ms/step
>8068, dr[0.776,0.501], df[0.833,0.014], g[0.880,0.046]
1/1 [=====] - 0s 79ms/step
>8069, dr[0.733,0.479], df[0.591,0.030], g[0.917,0.038]
1/1 [=====] - 0s 88ms/step
>8070, dr[0.623,0.429], df[0.625,0.023], g[0.908,0.040]
1/1 [=====] - 0s 84ms/step
>8071, dr[0.756,0.479], df[0.742,0.044], g[0.893,0.043]
1/1 [=====] - 0s 77ms/step
>8072, dr[0.607,0.463], df[0.688,0.024], g[0.922,0.036]
1/1 [=====] - 0s 83ms/step
>8073, dr[0.634,0.604], df[0.765,0.075], g[0.975,0.040]
1/1 [=====] - 0s 78ms/step
>8074, dr[0.678,0.421], df[0.632,0.028], g[0.924,0.077]
1/1 [=====] - 0s 82ms/step
>8075, dr[0.724,0.731], df[0.620,0.043], g[0.848,0.053]
1/1 [=====] - 0s 78ms/step
>8076, dr[0.760,0.768], df[0.798,0.070], g[0.822,0.042]
1/1 [=====] - 0s 82ms/step
>8077, dr[0.701,0.809], df[0.804,0.016], g[0.820,0.049]
1/1 [=====] - 0s 88ms/step
>8078, dr[0.695,0.474], df[0.704,0.066], g[0.933,0.034]
1/1 [=====] - 0s 84ms/step
>8079, dr[0.628,0.575], df[0.676,0.031], g[0.967,0.040]
1/1 [=====] - 0s 81ms/step
>8080, dr[0.624,0.252], df[0.794,0.036], g[0.888,0.055]
1/1 [=====] - 0s 83ms/step
>8081, dr[0.749,0.713], df[0.541,0.021], g[0.847,0.027]
1/1 [=====] - 0s 79ms/step
>8082, dr[0.672,0.850], df[0.663,0.016], g[0.869,0.041]
1/1 [=====] - 0s 91ms/step
>8083, dr[0.690,0.549], df[0.631,0.036], g[0.922,0.031]
1/1 [=====] - 0s 86ms/step
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>8084, dr[0.636,0.506], df[0.820,0.031], g[0.859,0.053]
1/1 [=====] - 0s 78ms/step
>8085, dr[0.576,0.228], df[0.592,0.009], g[0.845,0.036]
1/1 [=====] - 0s 84ms/step
>8086, dr[0.752,0.861], df[0.660,0.032], g[0.986,0.037]
1/1 [=====] - 0s 78ms/step
>8087, dr[0.696,0.509], df[0.785,0.119], g[0.861,0.027]
1/1 [=====] - 0s 82ms/step
>8088, dr[0.714,0.645], df[0.803,0.039], g[0.900,0.041]
1/1 [=====] - 0s 89ms/step
>8089, dr[0.702,0.587], df[0.616,0.030], g[0.870,0.041]
1/1 [=====] - 0s 83ms/step
>8090, dr[0.655,0.468], df[0.793,0.013], g[0.934,0.016]
1/1 [=====] - 0s 79ms/step
>8091, dr[0.637,0.434], df[0.704,0.026], g[0.886,0.030]
1/1 [=====] - 0s 84ms/step
>8092, dr[0.715,0.530], df[0.665,0.019], g[0.918,0.049]
1/1 [=====] - 0s 84ms/step
>8093, dr[0.680,0.283], df[0.763,0.021], g[0.871,0.062]
1/1 [=====] - 0s 80ms/step
>8094, dr[0.677,0.461], df[0.693,0.062], g[1.008,0.052]
1/1 [=====] - 0s 83ms/step
>8095, dr[0.713,0.461], df[0.705,0.016], g[0.897,0.032]
1/1 [=====] - 0s 80ms/step
>8096, dr[0.743,0.651], df[0.634,0.010], g[0.922,0.025]
1/1 [=====] - 0s 89ms/step
>8097, dr[0.681,0.302], df[0.665,0.055], g[0.834,0.044]
1/1 [=====] - 0s 84ms/step
>8098, dr[0.811,0.533], df[0.770,0.024], g[0.829,0.027]
1/1 [=====] - 0s 80ms/step
>8099, dr[0.703,0.886], df[0.791,0.029], g[0.832,0.015]
1/1 [=====] - 0s 90ms/step
>8100, dr[0.515,0.397], df[0.773,0.039], g[0.841,0.034]
1/1 [=====] - 0s 79ms/step
>8101, dr[0.623,0.416], df[0.650,0.027], g[1.008,0.091]
1/1 [=====] - 0s 80ms/step
>8102, dr[0.654,0.525], df[0.591,0.032], g[0.858,0.050]
1/1 [=====] - 0s 92ms/step
>8103, dr[0.653,0.213], df[0.707,0.053], g[0.906,0.034]
1/1 [=====] - 0s 79ms/step
>8104, dr[0.669,0.453], df[0.709,0.077], g[1.023,0.020]
1/1 [=====] - 0s 87ms/step
>8105, dr[0.686,0.299], df[0.654,0.039], g[0.915,0.023]
1/1 [=====] - 0s 81ms/step
>8106, dr[0.716,0.409], df[0.727,0.026], g[0.915,0.016]
1/1 [=====] - 0s 80ms/step
>8107, dr[0.686,0.641], df[0.753,0.027], g[0.855,0.040]
1/1 [=====] - 0s 89ms/step
>8108, dr[0.577,0.325], df[0.709,0.033], g[0.964,0.046]
1/1 [=====] - 0s 84ms/step
>8109, dr[0.697,0.467], df[0.642,0.022], g[0.918,0.036]
1/1 [=====] - 0s 105ms/step
>8110, dr[0.814,0.457], df[0.893,0.055], g[0.900,0.047]
1/1 [=====] - 0s 110ms/step
>8111, dr[0.679,0.473], df[0.600,0.019], g[0.950,0.025]
1/1 [=====] - 0s 92ms/step
>8112, dr[0.712,0.277], df[0.768,0.031], g[1.005,0.020]
1/1 [=====] - 0s 87ms/step
>8113, dr[0.574,0.152], df[0.709,0.021], g[0.957,0.120]
1/1 [=====] - 0s 90ms/step
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>8114, dr[0.772,0.246], df[0.591,0.075], g[0.857,0.024]
1/1 [=====] - 0s 78ms/step
>8115, dr[0.647,0.510], df[0.733,0.028], g[0.898,0.032]
1/1 [=====] - 0s 87ms/step
>8116, dr[0.678,0.469], df[0.698,0.019], g[0.884,0.034]
1/1 [=====] - 0s 85ms/step
>8117, dr[0.728,0.246], df[0.546,0.021], g[0.888,0.040]
1/1 [=====] - 0s 77ms/step
>8118, dr[0.777,0.500], df[0.737,0.025], g[0.860,0.026]
1/1 [=====] - 0s 80ms/step
>8119, dr[0.679,0.499], df[0.745,0.042], g[0.853,0.024]
1/1 [=====] - 0s 84ms/step
>8120, dr[0.614,0.505], df[0.663,0.035], g[0.769,0.048]
1/1 [=====] - 0s 76ms/step
>8121, dr[0.691,0.270], df[0.828,0.045], g[0.911,0.033]
1/1 [=====] - 0s 81ms/step
>8122, dr[0.670,0.458], df[0.603,0.017], g[0.815,0.106]
1/1 [=====] - 0s 86ms/step
>8123, dr[0.716,0.631], df[0.721,0.031], g[0.956,0.023]
1/1 [=====] - 0s 83ms/step
>8124, dr[0.769,0.617], df[0.760,0.036], g[0.932,0.059]
1/1 [=====] - 0s 88ms/step
>8125, dr[0.845,0.561], df[0.816,0.044], g[0.878,0.034]
1/1 [=====] - 0s 77ms/step
>8126, dr[0.634,0.441], df[0.733,0.036], g[0.882,0.061]
1/1 [=====] - 0s 77ms/step
>8127, dr[0.654,0.420], df[0.832,0.015], g[0.890,0.051]
1/1 [=====] - 0s 80ms/step
>8128, dr[0.773,0.350], df[0.752,0.100], g[0.958,0.024]
1/1 [=====] - 0s 84ms/step
>8129, dr[0.773,0.304], df[0.640,0.033], g[0.862,0.031]
1/1 [=====] - 0s 89ms/step
>8130, dr[0.770,0.527], df[0.660,0.076], g[0.874,0.047]
1/1 [=====] - 0s 85ms/step
>8131, dr[0.651,0.244], df[0.732,0.121], g[0.857,0.049]
1/1 [=====] - 0s 82ms/step
>8132, dr[0.755,0.695], df[0.675,0.016], g[0.837,0.038]
1/1 [=====] - 0s 83ms/step
>8133, dr[0.720,0.554], df[0.759,0.042], g[0.831,0.050]
1/1 [=====] - 0s 79ms/step
>8134, dr[0.676,0.431], df[0.682,0.019], g[0.876,0.023]
1/1 [=====] - 0s 90ms/step
>8135, dr[0.671,0.433], df[0.706,0.025], g[0.802,0.034]
1/1 [=====] - 0s 81ms/step
>8136, dr[0.615,0.430], df[0.612,0.021], g[0.943,0.061]
1/1 [=====] - 0s 79ms/step
>8137, dr[0.748,0.631], df[0.668,0.020], g[0.864,0.067]
1/1 [=====] - 0s 88ms/step
>8138, dr[0.719,0.168], df[0.676,0.026], g[0.716,0.035]
1/1 [=====] - 0s 83ms/step
>8139, dr[0.674,0.658], df[0.681,0.045], g[0.834,0.032]
1/1 [=====] - 0s 90ms/step
>8140, dr[0.699,0.516], df[0.729,0.023], g[0.810,0.052]
1/1 [=====] - 0s 96ms/step
>8141, dr[0.521,0.537], df[0.851,0.031], g[0.891,0.035]
1/1 [=====] - 0s 78ms/step
>8142, dr[0.585,0.709], df[0.619,0.018], g[0.947,0.039]
1/1 [=====] - 0s 80ms/step
>8143, dr[0.671,0.550], df[0.677,0.030], g[0.922,0.057]
1/1 [=====] - 0s 86ms/step
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>8144, dr[0.769,0.543], df[0.742,0.028], g[0.916,0.022]
1/1 [=====] - 0s 84ms/step
>8145, dr[0.674,0.294], df[0.643,0.033], g[0.978,0.045]
1/1 [=====] - 0s 83ms/step
>8146, dr[0.771,0.803], df[0.721,0.108], g[0.854,0.038]
1/1 [=====] - 0s 79ms/step
>8147, dr[0.602,0.412], df[0.711,0.034], g[0.931,0.052]
1/1 [=====] - 0s 85ms/step
>8148, dr[0.727,0.717], df[0.638,0.045], g[0.841,0.031]
1/1 [=====] - 0s 86ms/step
>8149, dr[0.636,0.485], df[0.774,0.030], g[0.831,0.037]
1/1 [=====] - 0s 81ms/step
>8150, dr[0.778,0.828], df[0.580,0.017], g[0.934,0.023]
1/1 [=====] - 0s 79ms/step
>8151, dr[0.616,0.855], df[0.723,0.029], g[0.763,0.049]
1/1 [=====] - 0s 86ms/step
>8152, dr[0.674,0.448], df[0.840,0.032], g[0.831,0.054]
1/1 [=====] - 0s 79ms/step
>8153, dr[0.569,0.346], df[0.712,0.064], g[0.876,0.083]
1/1 [=====] - 0s 84ms/step
>8154, dr[0.690,0.874], df[0.639,0.036], g[0.886,0.029]
1/1 [=====] - 0s 79ms/step
>8155, dr[0.807,0.516], df[0.714,0.031], g[0.845,0.017]
1/1 [=====] - 0s 89ms/step
>8156, dr[0.650,0.562], df[0.736,0.021], g[0.925,0.037]
1/1 [=====] - 0s 88ms/step
>8157, dr[0.635,0.272], df[0.572,0.021], g[0.870,0.035]
1/1 [=====] - 0s 83ms/step
>8158, dr[0.550,0.737], df[0.705,0.065], g[0.926,0.053]
1/1 [=====] - 0s 85ms/step
>8159, dr[0.691,0.483], df[0.692,0.028], g[0.829,0.066]
1/1 [=====] - 0s 85ms/step
>8160, dr[0.531,0.427], df[0.755,0.035], g[1.003,0.042]
1/1 [=====] - 0s 81ms/step
>8161, dr[0.770,0.333], df[0.692,0.029], g[1.022,0.022]
1/1 [=====] - 0s 79ms/step
>8162, dr[0.687,0.409], df[0.654,0.027], g[0.994,0.023]
1/1 [=====] - 0s 76ms/step
>8163, dr[0.716,0.265], df[0.521,0.025], g[0.839,0.030]
1/1 [=====] - 0s 93ms/step
>8164, dr[0.664,0.483], df[0.738,0.037], g[0.871,0.041]
1/1 [=====] - 0s 90ms/step
>8165, dr[0.749,0.541], df[0.841,0.062], g[0.846,0.032]
1/1 [=====] - 0s 79ms/step
>8166, dr[0.672,0.699], df[0.587,0.016], g[0.775,0.057]
1/1 [=====] - 0s 84ms/step
>8167, dr[0.639,0.382], df[0.756,0.034], g[0.876,0.040]
1/1 [=====] - 0s 77ms/step
>8168, dr[0.620,0.559], df[0.850,0.019], g[0.933,0.049]
1/1 [=====] - 0s 77ms/step
>8169, dr[0.742,0.127], df[0.605,0.023], g[0.831,0.041]
1/1 [=====] - 0s 86ms/step
>8170, dr[0.638,0.515], df[0.707,0.008], g[0.999,0.022]
1/1 [=====] - 0s 82ms/step
>8171, dr[0.651,0.186], df[0.653,0.024], g[0.852,0.014]
1/1 [=====] - 0s 81ms/step
>8172, dr[0.827,0.603], df[0.655,0.027], g[0.994,0.020]
1/1 [=====] - 0s 92ms/step
>8173, dr[0.641,0.565], df[0.619,0.079], g[0.850,0.032]
1/1 [=====] - 0s 83ms/step
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>8174, dr[0.704,0.418], df[0.704,0.056], g[0.909,0.045]
1/1 [=====] - 0s 80ms/step
>8175, dr[0.602,0.386], df[0.808,0.073], g[1.030,0.045]
1/1 [=====] - 0s 83ms/step
>8176, dr[0.808,0.439], df[0.578,0.031], g[0.895,0.054]
1/1 [=====] - 0s 82ms/step
>8177, dr[0.708,0.264], df[0.711,0.035], g[0.894,0.020]
1/1 [=====] - 0s 85ms/step
>8178, dr[0.731,0.516], df[0.786,0.057], g[0.882,0.040]
1/1 [=====] - 0s 83ms/step
>8179, dr[0.641,0.947], df[0.701,0.025], g[0.896,0.017]
1/1 [=====] - 0s 83ms/step
>8180, dr[0.600,0.181], df[0.626,0.029], g[0.840,0.053]
1/1 [=====] - 0s 90ms/step
>8181, dr[0.702,0.637], df[0.937,0.049], g[0.887,0.039]
1/1 [=====] - 0s 80ms/step
>8182, dr[0.647,0.115], df[0.659,0.024], g[0.913,0.039]
1/1 [=====] - 0s 82ms/step
>8183, dr[0.522,0.341], df[0.728,0.048], g[0.862,0.029]
1/1 [=====] - 0s 80ms/step
>8184, dr[0.723,0.509], df[0.603,0.027], g[0.956,0.026]
1/1 [=====] - 0s 83ms/step
>8185, dr[0.704,0.562], df[0.699,0.034], g[0.904,0.032]
1/1 [=====] - 0s 97ms/step
>8186, dr[0.656,0.465], df[0.590,0.041], g[0.870,0.020]
1/1 [=====] - 0s 89ms/step
>8187, dr[0.751,0.567], df[0.781,0.038], g[0.814,0.023]
1/1 [=====] - 0s 97ms/step
>8188, dr[0.591,0.408], df[0.692,0.042], g[0.882,0.036]
1/1 [=====] - 0s 88ms/step
>8189, dr[0.696,0.618], df[0.696,0.038], g[0.853,0.084]
1/1 [=====] - 0s 91ms/step
>8190, dr[0.707,0.293], df[0.777,0.035], g[0.931,0.039]
1/1 [=====] - 0s 85ms/step
>8191, dr[0.658,0.460], df[0.635,0.019], g[1.029,0.017]
1/1 [=====] - 0s 81ms/step
>8192, dr[0.665,0.302], df[0.602,0.046], g[0.922,0.022]
1/1 [=====] - 0s 77ms/step
>8193, dr[0.714,0.688], df[0.664,0.014], g[0.765,0.045]
1/1 [=====] - 0s 78ms/step
>8194, dr[0.700,0.362], df[0.742,0.019], g[0.911,0.021]
1/1 [=====] - 0s 86ms/step
>8195, dr[0.559,0.327], df[0.725,0.026], g[0.837,0.043]
1/1 [=====] - 0s 80ms/step
>8196, dr[0.742,0.372], df[0.690,0.039], g[0.844,0.074]
1/1 [=====] - 0s 80ms/step
>8197, dr[0.699,0.778], df[0.664,0.034], g[0.915,0.047]
1/1 [=====] - 0s 86ms/step
>8198, dr[0.625,0.329], df[0.697,0.023], g[0.906,0.019]
1/1 [=====] - 0s 84ms/step
>8199, dr[0.625,0.318], df[0.664,0.053], g[0.918,0.071]
1/1 [=====] - 0s 85ms/step
>8200, dr[0.726,0.574], df[0.732,0.026], g[0.896,0.033]
1/1 [=====] - 0s 85ms/step
>8201, dr[0.495,0.317], df[0.657,0.037], g[0.845,0.073]
1/1 [=====] - 0s 78ms/step
>8202, dr[0.816,0.943], df[0.710,0.023], g[0.914,0.089]
1/1 [=====] - 0s 87ms/step
>8203, dr[0.750,0.512], df[0.733,0.032], g[0.819,0.023]
1/1 [=====] - 0s 78ms/step
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>8204, dr[0.655,0.565], df[0.759,0.023], g[0.857,0.022]
1/1 [=====] - 0s 79ms/step
>8205, dr[0.696,0.476], df[0.655,0.029], g[0.975,0.020]
1/1 [=====] - 0s 88ms/step
>8206, dr[0.537,0.400], df[0.631,0.074], g[0.934,0.038]
1/1 [=====] - 0s 79ms/step
>8207, dr[0.614,0.818], df[0.694,0.050], g[0.909,0.032]
1/1 [=====] - 0s 87ms/step
>8208, dr[0.725,0.267], df[0.578,0.030], g[0.814,0.023]
1/1 [=====] - 0s 83ms/step
>8209, dr[0.689,0.279], df[0.731,0.017], g[0.930,0.041]
1/1 [=====] - 0s 78ms/step
>8210, dr[0.626,0.472], df[0.914,0.044], g[0.902,0.053]
1/1 [=====] - 0s 86ms/step
>8211, dr[0.801,0.480], df[0.665,0.037], g[0.927,0.030]
1/1 [=====] - 0s 78ms/step
>8212, dr[0.745,0.663], df[0.787,0.051], g[0.927,0.032]
1/1 [=====] - 0s 82ms/step
>8213, dr[0.754,0.344], df[0.779,0.048], g[0.984,0.019]
1/1 [=====] - 0s 78ms/step
>8214, dr[0.634,0.456], df[0.672,0.035], g[1.013,0.029]
1/1 [=====] - 0s 80ms/step
>8215, dr[0.672,0.725], df[0.517,0.025], g[0.885,0.047]
1/1 [=====] - 0s 84ms/step
>8216, dr[0.632,0.416], df[0.654,0.021], g[0.927,0.113]
1/1 [=====] - 0s 81ms/step
>8217, dr[0.770,0.498], df[0.683,0.016], g[0.842,0.065]
1/1 [=====] - 0s 79ms/step
>8218, dr[0.686,0.849], df[0.695,0.030], g[0.995,0.047]
1/1 [=====] - 0s 78ms/step
>8219, dr[0.666,0.213], df[0.742,0.025], g[0.917,0.023]
1/1 [=====] - 0s 81ms/step
>8220, dr[0.577,0.496], df[0.657,0.011], g[0.801,0.054]
1/1 [=====] - 0s 84ms/step
>8221, dr[0.722,0.390], df[0.598,0.019], g[0.859,0.030]
1/1 [=====] - 0s 87ms/step
>8222, dr[0.690,0.146], df[0.745,0.030], g[0.938,0.049]
1/1 [=====] - 0s 77ms/step
>8223, dr[0.570,0.409], df[0.660,0.027], g[0.924,0.036]
1/1 [=====] - 0s 89ms/step
>8224, dr[0.690,0.344], df[0.747,0.030], g[0.946,0.028]
1/1 [=====] - 0s 85ms/step
>8225, dr[0.655,0.507], df[0.716,0.015], g[0.998,0.048]
1/1 [=====] - 0s 187ms/step
>8226, dr[0.777,0.470], df[0.730,0.039], g[0.814,0.022]
1/1 [=====] - 0s 82ms/step
>8227, dr[0.619,0.706], df[0.674,0.026], g[0.885,0.023]
1/1 [=====] - 0s 98ms/step
>8228, dr[0.783,0.625], df[0.626,0.008], g[0.860,0.024]
1/1 [=====] - 0s 118ms/step
>8229, dr[0.669,0.282], df[0.773,0.020], g[0.863,0.039]
1/1 [=====] - 0s 108ms/step
>8230, dr[0.686,0.256], df[0.763,0.055], g[0.871,0.042]
1/1 [=====] - 0s 102ms/step
>8231, dr[0.722,0.328], df[0.634,0.013], g[0.782,0.028]
1/1 [=====] - 0s 114ms/step
>8232, dr[0.670,0.387], df[0.636,0.052], g[0.904,0.025]
1/1 [=====] - 0s 108ms/step
>8233, dr[0.650,0.100], df[0.823,0.021], g[0.867,0.035]
1/1 [=====] - 0s 99ms/step
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>8234, dr[0.624,0.517], df[0.650,0.015], g[0.889,0.030]
1/1 [=====] - 0s 101ms/step
>8235, dr[0.812,0.669], df[0.616,0.021], g[0.881,0.041]
1/1 [=====] - 0s 107ms/step
>8236, dr[0.695,0.711], df[0.731,0.042], g[0.873,0.033]
1/1 [=====] - 0s 109ms/step
>8237, dr[0.753,0.482], df[0.744,0.050], g[0.857,0.022]
1/1 [=====] - 0s 103ms/step
>8238, dr[0.600,0.268], df[0.835,0.039], g[0.905,0.026]
1/1 [=====] - 0s 102ms/step
>8239, dr[0.670,0.338], df[0.721,0.166], g[0.915,0.042]
1/1 [=====] - 0s 106ms/step
>8240, dr[0.559,0.329], df[0.668,0.031], g[0.873,0.023]
1/1 [=====] - 0s 103ms/step
>8241, dr[0.633,0.613], df[0.632,0.033], g[0.896,0.030]
1/1 [=====] - 0s 104ms/step
>8242, dr[0.722,0.424], df[0.601,0.032], g[0.827,0.038]
1/1 [=====] - 0s 97ms/step
>8243, dr[0.630,0.609], df[0.754,0.049], g[0.827,0.024]
1/1 [=====] - 0s 104ms/step
>8244, dr[0.636,0.507], df[0.742,0.016], g[0.973,0.040]
1/1 [=====] - 0s 123ms/step
>8245, dr[0.664,0.390], df[0.542,0.026], g[0.964,0.029]
1/1 [=====] - 0s 97ms/step
>8246, dr[0.665,0.897], df[0.750,0.022], g[0.954,0.031]
1/1 [=====] - 0s 98ms/step
>8247, dr[0.659,0.679], df[0.690,0.017], g[0.933,0.141]
1/1 [=====] - 0s 107ms/step
>8248, dr[0.604,0.468], df[0.705,0.031], g[0.917,0.031]
1/1 [=====] - 0s 106ms/step
>8249, dr[0.757,0.442], df[0.722,0.017], g[0.950,0.026]
1/1 [=====] - 0s 99ms/step
>8250, dr[0.726,0.270], df[0.758,0.034], g[0.811,0.024]
1/1 [=====] - 0s 104ms/step
>8251, dr[0.688,0.624], df[0.777,0.043], g[0.924,0.023]
1/1 [=====] - 0s 101ms/step
>8252, dr[0.690,0.701], df[0.674,0.030], g[0.873,0.031]
1/1 [=====] - 0s 103ms/step
>8253, dr[0.737,0.483], df[0.723,0.048], g[0.911,0.027]
1/1 [=====] - 0s 98ms/step
>8254, dr[0.685,0.445], df[0.558,0.073], g[0.840,0.027]
1/1 [=====] - 0s 95ms/step
>8255, dr[0.617,0.684], df[0.687,0.028], g[0.885,0.014]
1/1 [=====] - 0s 103ms/step
>8256, dr[0.730,0.446], df[0.597,0.024], g[0.823,0.025]
1/1 [=====] - 0s 110ms/step
>8257, dr[0.723,0.729], df[0.774,0.030], g[0.722,0.029]
1/1 [=====] - 0s 96ms/step
>8258, dr[0.666,0.558], df[0.739,0.016], g[0.810,0.060]
1/1 [=====] - 0s 95ms/step
>8259, dr[0.687,0.768], df[0.714,0.036], g[0.797,0.051]
1/1 [=====] - 0s 102ms/step
>8260, dr[0.611,0.603], df[0.720,0.041], g[0.955,0.035]
1/1 [=====] - 0s 102ms/step
>8261, dr[0.640,0.702], df[0.693,0.027], g[0.878,0.051]
1/1 [=====] - 0s 112ms/step
>8262, dr[0.710,0.369], df[0.793,0.076], g[0.956,0.036]
1/1 [=====] - 0s 112ms/step
>8263, dr[0.807,0.821], df[0.710,0.042], g[0.838,0.015]
1/1 [=====] - 0s 153ms/step
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>8264, dr[0.782,0.517], df[0.720,0.037], g[0.883,0.048]
1/1 [=====] - 0s 129ms/step
>8265, dr[0.641,0.577], df[0.659,0.012], g[0.833,0.028]
1/1 [=====] - 0s 115ms/step
>8266, dr[0.636,0.709], df[0.753,0.029], g[0.890,0.044]
1/1 [=====] - 0s 94ms/step
>8267, dr[0.716,0.608], df[0.703,0.052], g[0.893,0.035]
1/1 [=====] - 0s 100ms/step
>8268, dr[0.696,0.685], df[0.804,0.054], g[0.951,0.038]
1/1 [=====] - 0s 102ms/step
>8269, dr[0.675,0.584], df[0.727,0.022], g[0.941,0.044]
1/1 [=====] - 0s 113ms/step
>8270, dr[0.744,0.278], df[0.679,0.055], g[0.871,0.046]
1/1 [=====] - 0s 96ms/step
>8271, dr[0.788,0.446], df[0.664,0.023], g[0.856,0.051]
1/1 [=====] - 0s 101ms/step
>8272, dr[0.726,0.391], df[0.727,0.051], g[0.758,0.022]
1/1 [=====] - 0s 83ms/step
>8273, dr[0.620,0.225], df[0.796,0.053], g[0.869,0.019]
1/1 [=====] - 0s 103ms/step
>8274, dr[0.677,0.498], df[0.840,0.040], g[0.922,0.056]
1/1 [=====] - 0s 88ms/step
>8275, dr[0.658,0.338], df[0.761,0.046], g[0.953,0.030]
1/1 [=====] - 0s 79ms/step
>8276, dr[0.659,0.414], df[0.723,0.035], g[0.951,0.029]
1/1 [=====] - 0s 97ms/step
>8277, dr[0.746,0.495], df[0.712,0.023], g[0.971,0.039]
1/1 [=====] - 0s 87ms/step
>8278, dr[0.686,0.369], df[0.730,0.030], g[0.857,0.042]
1/1 [=====] - 0s 92ms/step
>8279, dr[0.705,0.434], df[0.633,0.026], g[0.957,0.028]
1/1 [=====] - 0s 92ms/step
>8280, dr[0.779,0.582], df[0.673,0.017], g[0.831,0.037]
1/1 [=====] - 0s 88ms/step
>8281, dr[0.670,0.366], df[0.737,0.017], g[0.918,0.034]
1/1 [=====] - 0s 78ms/step
>8282, dr[0.566,0.368], df[0.714,0.025], g[0.896,0.035]
1/1 [=====] - 0s 82ms/step
>8283, dr[0.770,0.387], df[0.601,0.017], g[0.864,0.020]
1/1 [=====] - 0s 83ms/step
>8284, dr[0.758,0.490], df[0.657,0.030], g[0.822,0.040]
1/1 [=====] - 0s 82ms/step
>8285, dr[0.561,0.501], df[0.764,0.041], g[0.875,0.020]
1/1 [=====] - 0s 81ms/step
>8286, dr[0.735,0.524], df[0.798,0.035], g[0.823,0.030]
1/1 [=====] - 0s 79ms/step
>8287, dr[0.689,0.610], df[0.712,0.016], g[0.925,0.037]
1/1 [=====] - 0s 90ms/step
>8288, dr[0.697,0.141], df[0.632,0.023], g[0.840,0.094]
1/1 [=====] - 0s 79ms/step
>8289, dr[0.794,0.666], df[0.791,0.034], g[1.013,0.048]
1/1 [=====] - 0s 80ms/step
>8290, dr[0.612,0.824], df[0.608,0.030], g[0.874,0.028]
1/1 [=====] - 0s 86ms/step
>8291, dr[0.660,0.340], df[0.619,0.041], g[0.900,0.035]
1/1 [=====] - 0s 82ms/step
>8292, dr[0.750,0.554], df[0.832,0.022], g[0.898,0.028]
1/1 [=====] - 0s 86ms/step
>8293, dr[0.747,0.695], df[0.632,0.015], g[0.876,0.035]
1/1 [=====] - 0s 87ms/step
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>8294, dr[0.674,0.634], df[0.741,0.031], g[0.814,0.036]
1/1 [=====] - 0s 81ms/step
>8295, dr[0.528,0.406], df[0.691,0.029], g[0.772,0.052]
1/1 [=====] - 0s 79ms/step
>8296, dr[0.605,0.353], df[0.661,0.040], g[0.912,0.019]
1/1 [=====] - 0s 85ms/step
>8297, dr[0.739,0.682], df[0.746,0.036], g[0.934,0.027]
1/1 [=====] - 0s 79ms/step
>8298, dr[0.547,0.277], df[0.664,0.048], g[0.933,0.037]
1/1 [=====] - 0s 80ms/step
>8299, dr[0.608,0.185], df[0.656,0.030], g[0.914,0.036]
1/1 [=====] - 0s 81ms/step
>8300, dr[0.714,0.292], df[0.717,0.031], g[0.993,0.024]
1/1 [=====] - 0s 78ms/step
>8301, dr[0.821,0.556], df[0.576,0.044], g[0.928,0.056]
1/1 [=====] - 0s 98ms/step
>8302, dr[0.645,0.593], df[0.646,0.008], g[0.902,0.027]
1/1 [=====] - 0s 83ms/step
>8303, dr[0.692,0.365], df[0.724,0.042], g[0.904,0.030]
1/1 [=====] - 0s 86ms/step
>8304, dr[0.580,0.657], df[0.729,0.029], g[0.838,0.025]
1/1 [=====] - 0s 86ms/step
>8305, dr[0.698,0.341], df[0.621,0.020], g[0.904,0.039]
1/1 [=====] - 0s 78ms/step
>8306, dr[0.718,0.659], df[0.633,0.031], g[0.915,0.038]
1/1 [=====] - 0s 85ms/step
>8307, dr[0.711,0.337], df[0.802,0.025], g[0.909,0.022]
1/1 [=====] - 0s 78ms/step
>8308, dr[0.715,0.623], df[0.675,0.019], g[0.890,0.023]
1/1 [=====] - 0s 82ms/step
>8309, dr[0.753,0.254], df[0.610,0.017], g[0.814,0.023]
1/1 [=====] - 0s 93ms/step
>8310, dr[0.610,0.419], df[0.701,0.032], g[0.860,0.093]
1/1 [=====] - 0s 79ms/step
>8311, dr[0.631,0.439], df[0.780,0.033], g[0.931,0.061]
1/1 [=====] - 0s 81ms/step
>8312, dr[0.705,0.252], df[0.660,0.042], g[0.936,0.021]
1/1 [=====] - 0s 83ms/step
>8313, dr[0.713,0.618], df[0.835,0.047], g[0.942,0.030]
1/1 [=====] - 0s 79ms/step
>8314, dr[0.771,0.246], df[0.682,0.016], g[0.884,0.025]
1/1 [=====] - 0s 80ms/step
>8315, dr[0.774,0.400], df[0.709,0.032], g[0.924,0.022]
1/1 [=====] - 0s 80ms/step
>8316, dr[0.757,0.397], df[0.729,0.042], g[0.855,0.031]
1/1 [=====] - 0s 81ms/step
>8317, dr[0.586,0.701], df[0.724,0.017], g[0.907,0.041]
1/1 [=====] - 0s 84ms/step
>8318, dr[0.724,0.346], df[0.722,0.034], g[0.879,0.017]
1/1 [=====] - 0s 86ms/step
>8319, dr[0.631,0.403], df[0.803,0.016], g[0.914,0.027]
1/1 [=====] - 0s 79ms/step
>8320, dr[0.732,0.795], df[0.696,0.036], g[0.859,0.031]
1/1 [=====] - 0s 82ms/step
>8321, dr[0.699,0.906], df[0.649,0.036], g[0.876,0.026]
1/1 [=====] - 0s 78ms/step
>8322, dr[0.678,0.319], df[0.684,0.038], g[0.831,0.025]
1/1 [=====] - 0s 82ms/step
>8323, dr[0.618,0.303], df[0.662,0.016], g[0.976,0.027]
1/1 [=====] - 0s 80ms/step
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>8324, dr[0.704,0.573], df[0.745,0.024], g[0.843,0.038]
1/1 [=====] - 0s 78ms/step
>8325, dr[0.734,0.490], df[0.694,0.044], g[0.950,0.076]
1/1 [=====] - 0s 82ms/step
>8326, dr[0.531,0.145], df[0.636,0.056], g[0.844,0.050]
1/1 [=====] - 0s 80ms/step
>8327, dr[0.717,0.912], df[0.629,0.036], g[0.915,0.066]
1/1 [=====] - 0s 79ms/step
>8328, dr[0.645,0.427], df[0.694,0.036], g[0.873,0.020]
1/1 [=====] - 0s 91ms/step
>8329, dr[0.668,0.373], df[0.772,0.026], g[0.977,0.036]
1/1 [=====] - 0s 77ms/step
>8330, dr[0.752,0.572], df[0.644,0.046], g[0.795,0.056]
1/1 [=====] - 0s 80ms/step
>8331, dr[0.697,0.915], df[0.758,0.037], g[0.929,0.038]
1/1 [=====] - 0s 92ms/step
>8332, dr[0.626,1.172], df[0.718,0.031], g[0.901,0.026]
1/1 [=====] - 0s 97ms/step
>8333, dr[0.705,0.310], df[0.665,0.054], g[0.856,0.018]
1/1 [=====] - 0s 108ms/step
>8334, dr[0.591,0.434], df[0.659,0.284], g[0.881,0.028]
1/1 [=====] - 0s 117ms/step
>8335, dr[0.763,0.824], df[0.714,0.006], g[0.856,0.050]
1/1 [=====] - 0s 102ms/step
>8336, dr[0.744,0.497], df[0.617,0.024], g[0.906,0.048]
1/1 [=====] - 0s 109ms/step
>8337, dr[0.805,0.712], df[0.706,0.033], g[0.871,0.021]
1/1 [=====] - 0s 105ms/step
>8338, dr[0.606,0.227], df[0.731,0.042], g[0.863,0.039]
1/1 [=====] - 0s 102ms/step
>8339, dr[0.650,0.186], df[0.924,0.030], g[0.884,0.059]
1/1 [=====] - 0s 90ms/step
>8340, dr[0.738,0.716], df[0.703,0.047], g[0.857,0.022]
1/1 [=====] - 0s 84ms/step
>8341, dr[0.691,0.243], df[0.623,0.061], g[0.878,0.037]
1/1 [=====] - 0s 92ms/step
>8342, dr[0.779,0.430], df[0.670,0.034], g[0.911,0.045]
1/1 [=====] - 0s 84ms/step
>8343, dr[0.619,0.389], df[0.815,0.015], g[0.906,0.034]
1/1 [=====] - 0s 79ms/step
>8344, dr[0.684,0.308], df[0.686,0.059], g[0.965,0.034]
1/1 [=====] - 0s 85ms/step
>8345, dr[0.621,0.337], df[0.584,0.038], g[0.823,0.028]
1/1 [=====] - 0s 80ms/step
>8346, dr[0.658,0.328], df[0.706,0.038], g[0.867,0.040]
1/1 [=====] - 0s 77ms/step
>8347, dr[0.732,0.369], df[0.761,0.029], g[0.901,0.030]
1/1 [=====] - 0s 88ms/step
>8348, dr[0.636,0.349], df[0.608,0.037], g[0.899,0.032]
1/1 [=====] - 0s 79ms/step
>8349, dr[0.725,0.332], df[0.713,0.036], g[0.910,0.026]
1/1 [=====] - 0s 82ms/step
>8350, dr[0.752,0.388], df[0.738,0.045], g[0.882,0.037]
1/1 [=====] - 0s 81ms/step
>8351, dr[0.607,0.282], df[0.602,0.022], g[0.839,0.025]
1/1 [=====] - 0s 77ms/step
>8352, dr[0.661,0.827], df[0.685,0.014], g[0.863,0.038]
1/1 [=====] - 0s 91ms/step
>8353, dr[0.701,0.644], df[0.703,0.046], g[0.859,0.027]
1/1 [=====] - 0s 78ms/step
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>8354, dr[0.660,0.181], df[0.772,0.024], g[0.878,0.033]
1/1 [=====] - 0s 80ms/step
>8355, dr[0.674,0.682], df[0.711,0.074], g[0.896,0.021]
1/1 [=====] - 0s 85ms/step
>8356, dr[0.711,0.604], df[0.616,0.025], g[0.886,0.019]
1/1 [=====] - 0s 78ms/step
>8357, dr[0.726,0.321], df[0.874,0.020], g[0.878,0.018]
1/1 [=====] - 0s 86ms/step
>8358, dr[0.613,0.481], df[0.702,0.033], g[0.902,0.040]
1/1 [=====] - 0s 83ms/step
>8359, dr[0.631,0.410], df[0.578,0.038], g[0.813,0.020]
1/1 [=====] - 0s 85ms/step
>8360, dr[0.677,0.325], df[0.692,0.009], g[0.746,0.021]
1/1 [=====] - 0s 86ms/step
>8361, dr[0.605,0.614], df[0.835,0.046], g[0.849,0.028]
1/1 [=====] - 0s 78ms/step
>8362, dr[0.687,0.327], df[0.644,0.027], g[0.926,0.029]
1/1 [=====] - 0s 84ms/step
>8363, dr[0.821,0.151], df[0.784,0.085], g[0.823,0.027]
1/1 [=====] - 0s 79ms/step
>8364, dr[0.717,0.568], df[0.660,0.019], g[0.854,0.030]
1/1 [=====] - 0s 79ms/step
>8365, dr[0.738,0.534], df[0.717,0.018], g[0.814,0.030]
1/1 [=====] - 0s 88ms/step
>8366, dr[0.602,0.247], df[0.702,0.014], g[0.839,0.041]
1/1 [=====] - 0s 79ms/step
>8367, dr[0.780,0.569], df[0.740,0.020], g[0.809,0.030]
1/1 [=====] - 0s 81ms/step
>8368, dr[0.826,0.619], df[0.617,0.036], g[0.875,0.023]
1/1 [=====] - 0s 92ms/step
>8369, dr[0.647,0.380], df[0.770,0.020], g[0.771,0.019]
1/1 [=====] - 0s 80ms/step
>8370, dr[0.770,0.288], df[0.766,0.019], g[0.824,0.019]
1/1 [=====] - 0s 84ms/step
>8371, dr[0.645,0.478], df[0.726,0.034], g[0.765,0.048]
1/1 [=====] - 0s 90ms/step
>8372, dr[0.680,0.435], df[0.725,0.025], g[0.787,0.038]
1/1 [=====] - 0s 83ms/step
>8373, dr[0.656,0.496], df[0.703,0.039], g[0.840,0.051]
1/1 [=====] - 0s 83ms/step
>8374, dr[0.657,0.366], df[0.731,0.074], g[0.802,0.041]
1/1 [=====] - 0s 93ms/step
>8375, dr[0.715,0.348], df[0.759,0.032], g[0.864,0.023]
1/1 [=====] - 0s 83ms/step
>8376, dr[0.588,0.463], df[0.722,0.027], g[0.838,0.042]
1/1 [=====] - 0s 83ms/step
>8377, dr[0.608,0.423], df[0.627,0.026], g[0.886,0.073]
1/1 [=====] - 0s 94ms/step
>8378, dr[0.768,0.487], df[0.647,0.045], g[0.963,0.027]
1/1 [=====] - 0s 81ms/step
>8379, dr[0.740,0.693], df[0.684,0.025], g[0.931,0.017]
1/1 [=====] - 0s 86ms/step
>8380, dr[0.597,0.385], df[0.728,0.055], g[0.874,0.016]
1/1 [=====] - 0s 98ms/step
>8381, dr[0.758,0.630], df[0.653,0.027], g[0.833,0.079]
1/1 [=====] - 0s 81ms/step
>8382, dr[0.594,0.192], df[0.738,0.019], g[0.851,0.034]
1/1 [=====] - 0s 87ms/step
>8383, dr[0.624,0.358], df[0.724,0.016], g[0.935,0.020]
1/1 [=====] - 0s 85ms/step
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>8384, dr[0.734,0.649], df[0.571,0.026], g[0.826,0.013]
1/1 [=====] - 0s 83ms/step
>8385, dr[0.614,0.331], df[0.871,0.035], g[0.927,0.033]
1/1 [=====] - 0s 88ms/step
>8386, dr[0.621,0.337], df[0.698,0.018], g[0.942,0.022]
1/1 [=====] - 0s 88ms/step
>8387, dr[0.580,0.342], df[0.666,0.042], g[1.012,0.028]
1/1 [=====] - 0s 86ms/step
>8388, dr[0.815,0.643], df[0.556,0.032], g[1.008,0.062]
1/1 [=====] - 0s 85ms/step
>8389, dr[0.706,0.487], df[0.754,0.087], g[0.862,0.021]
1/1 [=====] - 0s 88ms/step
>8390, dr[0.619,0.760], df[0.617,0.038], g[0.896,0.043]
1/1 [=====] - 0s 84ms/step
>8391, dr[0.738,0.288], df[0.649,0.018], g[0.903,0.054]
1/1 [=====] - 0s 106ms/step
>8392, dr[0.694,0.403], df[0.738,0.092], g[0.789,0.031]
1/1 [=====] - 0s 84ms/step
>8393, dr[0.642,0.521], df[0.763,0.016], g[0.881,0.064]
1/1 [=====] - 0s 88ms/step
>8394, dr[0.700,0.519], df[0.702,0.023], g[0.885,0.021]
1/1 [=====] - 0s 83ms/step
>8395, dr[0.496,0.623], df[0.811,0.035], g[0.945,0.050]
1/1 [=====] - 0s 82ms/step
>8396, dr[0.646,0.268], df[0.651,0.042], g[0.951,0.043]
1/1 [=====] - 0s 77ms/step
>8397, dr[0.739,0.265], df[0.601,0.020], g[0.984,0.018]
1/1 [=====] - 0s 80ms/step
>8398, dr[0.692,0.273], df[0.631,0.025], g[0.881,0.015]
1/1 [=====] - 0s 77ms/step
>8399, dr[0.607,0.655], df[0.607,0.026], g[0.875,0.036]
1/1 [=====] - 0s 85ms/step
>8400, dr[0.699,0.631], df[0.790,0.042], g[0.858,0.028]
1/1 [=====] - 0s 86ms/step
>8401, dr[0.816,0.315], df[0.637,0.027], g[0.945,0.027]
1/1 [=====] - 0s 79ms/step
>8402, dr[0.638,0.475], df[0.797,0.019], g[0.922,0.027]
1/1 [=====] - 0s 79ms/step
>8403, dr[0.609,0.732], df[0.666,0.036], g[0.989,0.030]
1/1 [=====] - 0s 79ms/step
>8404, dr[0.721,0.219], df[0.753,0.021], g[0.835,0.056]
1/1 [=====] - 0s 77ms/step
>8405, dr[0.822,0.571], df[0.577,0.054], g[0.799,0.052]
1/1 [=====] - 0s 79ms/step
>8406, dr[0.651,0.477], df[0.800,0.047], g[0.863,0.051]
1/1 [=====] - 0s 80ms/step
>8407, dr[0.587,0.662], df[0.790,0.036], g[0.914,0.034]
1/1 [=====] - 0s 77ms/step
>8408, dr[0.762,0.337], df[0.752,0.018], g[0.847,0.029]
1/1 [=====] - 0s 86ms/step
>8409, dr[0.815,0.597], df[0.670,0.014], g[0.841,0.030]
1/1 [=====] - 0s 78ms/step
>8410, dr[0.629,0.727], df[0.706,0.025], g[0.983,0.024]
1/1 [=====] - 0s 80ms/step
>8411, dr[0.631,0.377], df[0.802,0.029], g[0.938,0.016]
1/1 [=====] - 0s 96ms/step
>8412, dr[0.631,0.501], df[0.706,0.021], g[0.892,0.016]
1/1 [=====] - 0s 84ms/step
>8413, dr[0.665,0.542], df[0.549,0.025], g[0.926,0.028]
1/1 [=====] - 0s 79ms/step
```

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>8414, dr[0.755,0.441], df[0.713,0.017], g[0.887,0.031]
1/1 [=====] - 0s 83ms/step
>8415, dr[0.623,0.334], df[0.724,0.016], g[0.880,0.058]
1/1 [=====] - 0s 77ms/step
>8416, dr[0.676,0.369], df[0.656,0.022], g[0.923,0.018]
1/1 [=====] - 0s 83ms/step
>8417, dr[0.707,0.700], df[0.673,0.040], g[0.863,0.046]
1/1 [=====] - 0s 79ms/step
>8418, dr[0.639,0.388], df[0.655,0.056], g[0.838,0.045]
1/1 [=====] - 0s 80ms/step
>8419, dr[0.748,0.186], df[0.687,0.039], g[0.872,0.038]
1/1 [=====] - 0s 86ms/step
>8420, dr[0.578,0.428], df[0.634,0.028], g[1.000,0.043]
1/1 [=====] - 0s 75ms/step
>8421, dr[0.712,0.929], df[0.841,0.031], g[0.849,0.058]
1/1 [=====] - 0s 79ms/step
>8422, dr[0.742,0.489], df[0.656,0.087], g[0.910,0.050]
1/1 [=====] - 0s 82ms/step
>8423, dr[0.815,0.232], df[0.706,0.023], g[0.832,0.030]
1/1 [=====] - 0s 82ms/step
>8424, dr[0.748,0.546], df[0.772,0.022], g[0.811,0.050]
1/1 [=====] - 0s 89ms/step
>8425, dr[0.668,0.367], df[0.734,0.016], g[0.914,0.038]
1/1 [=====] - 0s 77ms/step
>8426, dr[0.705,0.688], df[0.775,0.028], g[0.944,0.044]
1/1 [=====] - 0s 79ms/step
>8427, dr[0.705,0.261], df[0.785,0.048], g[0.844,0.032]
1/1 [=====] - 0s 87ms/step
>8428, dr[0.735,0.487], df[0.703,0.047], g[1.037,0.026]
1/1 [=====] - 0s 79ms/step
>8429, dr[0.734,0.517], df[0.650,0.065], g[0.908,0.025]
1/1 [=====] - 0s 86ms/step
>8430, dr[0.686,0.311], df[0.697,0.024], g[1.059,0.023]
1/1 [=====] - 0s 87ms/step
>8431, dr[0.719,0.342], df[0.698,0.026], g[0.998,0.050]
1/1 [=====] - 0s 77ms/step
>8432, dr[0.772,0.609], df[0.716,0.019], g[0.918,0.027]
1/1 [=====] - 0s 82ms/step
>8433, dr[0.779,0.372], df[0.669,0.069], g[0.839,0.044]
4/4 [=====] - 0s 51ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_8433.png and model_8433.h5
1/1 [=====] - 0s 91ms/step
>8434, dr[0.670,0.621], df[0.757,0.022], g[0.806,0.035]
1/1 [=====] - 0s 87ms/step
>8435, dr[0.669,0.609], df[0.723,0.022], g[0.947,0.046]
1/1 [=====] - 0s 99ms/step
>8436, dr[0.617,0.565], df[0.710,0.037], g[0.924,0.021]
1/1 [=====] - 0s 85ms/step
>8437, dr[0.698,0.505], df[0.728,0.022], g[0.868,0.020]
1/1 [=====] - 0s 80ms/step
>8438, dr[0.631,0.247], df[0.700,0.023], g[0.964,0.017]
1/1 [=====] - 0s 110ms/step
>8439, dr[0.714,0.377], df[0.643,0.039], g[0.925,0.015]
1/1 [=====] - 0s 93ms/step
>8440, dr[0.720,0.529], df[0.685,0.018], g[0.854,0.020]
1/1 [=====] - 0s 87ms/step
>8441, dr[0.667,0.595], df[0.764,0.038], g[0.959,0.042]
1/1 [=====] - 0s 79ms/step
```

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>8442, dr[0.710,0.188], df[0.692,0.099], g[0.978,0.028]
1/1 [=====] - 0s 132ms/step
>8443, dr[0.685,0.367], df[0.812,0.035], g[0.897,0.030]
1/1 [=====] - 0s 83ms/step
>8444, dr[0.738,0.426], df[0.646,0.071], g[0.875,0.032]
1/1 [=====] - 0s 80ms/step
>8445, dr[0.741,0.341], df[0.779,0.029], g[0.820,0.055]
1/1 [=====] - 0s 92ms/step
>8446, dr[0.742,0.290], df[0.626,0.050], g[0.919,0.026]
1/1 [=====] - 0s 82ms/step
>8447, dr[0.560,0.377], df[0.645,0.055], g[0.982,0.016]
1/1 [=====] - 0s 80ms/step
>8448, dr[0.715,0.730], df[0.729,0.033], g[0.976,0.048]
1/1 [=====] - 0s 91ms/step
>8449, dr[0.764,0.342], df[0.749,0.024], g[0.837,0.039]
1/1 [=====] - 0s 94ms/step
>8450, dr[0.685,0.363], df[0.715,0.013], g[0.931,0.039]
1/1 [=====] - 0s 87ms/step
>8451, dr[0.758,0.405], df[0.664,0.016], g[0.836,0.033]
1/1 [=====] - 0s 85ms/step
>8452, dr[0.747,0.538], df[0.741,0.036], g[0.947,0.027]
1/1 [=====] - 0s 78ms/step
>8453, dr[0.687,1.086], df[0.706,0.067], g[0.845,0.031]
1/1 [=====] - 0s 77ms/step
>8454, dr[0.612,0.740], df[0.675,0.008], g[0.720,0.022]
1/1 [=====] - 0s 83ms/step
>8455, dr[0.753,0.436], df[0.834,0.047], g[0.842,0.053]
1/1 [=====] - 0s 85ms/step
>8456, dr[0.782,0.677], df[0.691,0.034], g[1.002,0.036]
1/1 [=====] - 0s 90ms/step
>8457, dr[0.618,0.481], df[0.661,0.045], g[0.852,0.028]
1/1 [=====] - 0s 78ms/step
>8458, dr[0.675,0.443], df[0.768,0.024], g[0.864,0.057]
1/1 [=====] - 0s 80ms/step
>8459, dr[0.708,0.340], df[0.818,0.049], g[0.940,0.024]
1/1 [=====] - 0s 85ms/step
>8460, dr[0.685,0.347], df[0.601,0.026], g[0.829,0.024]
1/1 [=====] - 0s 78ms/step
>8461, dr[0.713,0.393], df[0.665,0.019], g[0.971,0.021]
1/1 [=====] - 0s 80ms/step
>8462, dr[0.622,0.477], df[0.769,0.021], g[0.853,0.034]
1/1 [=====] - 0s 100ms/step
>8463, dr[0.646,0.536], df[0.570,0.019], g[0.945,0.037]
1/1 [=====] - 0s 97ms/step
>8464, dr[0.735,0.451], df[0.769,0.045], g[0.930,0.031]
1/1 [=====] - 0s 97ms/step
>8465, dr[0.707,0.363], df[0.618,0.046], g[0.856,0.038]
1/1 [=====] - 0s 92ms/step
>8466, dr[0.645,0.631], df[0.782,0.021], g[0.934,0.023]
1/1 [=====] - 0s 80ms/step
>8467, dr[0.688,0.473], df[0.684,0.028], g[0.889,0.035]
1/1 [=====] - 0s 85ms/step
>8468, dr[0.684,0.507], df[0.619,0.028], g[0.884,0.015]
1/1 [=====] - 0s 85ms/step
>8469, dr[0.700,0.491], df[0.737,0.022], g[0.845,0.034]
1/1 [=====] - 0s 77ms/step
>8470, dr[0.653,0.474], df[0.725,0.076], g[0.924,0.058]
1/1 [=====] - 0s 81ms/step
>8471, dr[0.656,0.245], df[0.657,0.056], g[0.972,0.044]
1/1 [=====] - 0s 80ms/step
```

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>8472, dr[0.723,0.643], df[0.765,0.030], g[0.866,0.022]
1/1 [=====] - 0s 82ms/step
>8473, dr[0.724,0.333], df[0.656,0.109], g[0.858,0.031]
1/1 [=====] - 0s 83ms/step
>8474, dr[0.646,0.588], df[0.688,0.024], g[0.779,0.055]
1/1 [=====] - 0s 86ms/step
>8475, dr[0.603,0.404], df[0.766,0.060], g[0.845,0.012]
1/1 [=====] - 0s 82ms/step
>8476, dr[0.725,0.340], df[0.706,0.027], g[0.843,0.029]
1/1 [=====] - 0s 87ms/step
>8477, dr[0.665,0.410], df[0.752,0.011], g[0.892,0.112]
1/1 [=====] - 0s 83ms/step
>8478, dr[0.694,1.214], df[0.604,0.028], g[0.915,0.029]
1/1 [=====] - 0s 77ms/step
>8479, dr[0.712,0.863], df[0.658,0.012], g[0.907,0.020]
1/1 [=====] - 0s 82ms/step
>8480, dr[0.647,0.407], df[0.722,0.050], g[0.917,0.035]
1/1 [=====] - 0s 77ms/step
>8481, dr[0.709,0.706], df[0.755,0.018], g[0.911,0.027]
1/1 [=====] - 0s 86ms/step
>8482, dr[0.699,0.637], df[0.620,0.041], g[0.850,0.056]
1/1 [=====] - 0s 77ms/step
>8483, dr[0.641,0.710], df[0.763,0.017], g[0.877,0.029]
1/1 [=====] - 0s 78ms/step
>8484, dr[0.862,0.921], df[0.648,0.020], g[0.856,0.033]
1/1 [=====] - 0s 98ms/step
>8485, dr[0.538,0.336], df[0.795,0.051], g[0.822,0.042]
1/1 [=====] - 0s 79ms/step
>8486, dr[0.583,0.241], df[0.737,0.039], g[0.860,0.023]
1/1 [=====] - 0s 77ms/step
>8487, dr[0.718,0.308], df[0.619,0.039], g[0.851,0.023]
1/1 [=====] - 0s 91ms/step
>8488, dr[0.872,0.575], df[0.701,0.075], g[0.824,0.053]
1/1 [=====] - 0s 78ms/step
>8489, dr[0.668,0.709], df[0.693,0.013], g[0.820,0.022]
1/1 [=====] - 0s 116ms/step
>8490, dr[0.534,0.501], df[0.755,0.024], g[0.860,0.038]
1/1 [=====] - 0s 93ms/step
>8491, dr[0.682,0.612], df[0.649,0.054], g[0.902,0.031]
1/1 [=====] - 0s 85ms/step
>8492, dr[0.690,0.559], df[0.777,0.010], g[0.779,0.061]
1/1 [=====] - 0s 108ms/step
>8493, dr[0.673,0.489], df[0.656,0.030], g[0.913,0.024]
1/1 [=====] - 0s 83ms/step
>8494, dr[0.793,0.518], df[0.682,0.049], g[0.858,0.046]
1/1 [=====] - 0s 91ms/step
>8495, dr[0.727,0.350], df[0.783,0.047], g[0.869,0.019]
1/1 [=====] - 0s 97ms/step
>8496, dr[0.769,0.545], df[0.772,0.026], g[0.825,0.039]
1/1 [=====] - 0s 85ms/step
>8497, dr[0.683,0.485], df[0.664,0.023], g[0.818,0.040]
1/1 [=====] - 0s 81ms/step
>8498, dr[0.694,0.360], df[0.695,0.020], g[0.886,0.022]
1/1 [=====] - 0s 78ms/step
>8499, dr[0.669,0.477], df[0.723,0.052], g[0.846,0.034]
1/1 [=====] - 0s 76ms/step
>8500, dr[0.883,0.450], df[0.726,0.051], g[0.855,0.022]
1/1 [=====] - 0s 81ms/step
>8501, dr[0.708,0.609], df[0.670,0.016], g[0.816,0.035]
1/1 [=====] - 0s 88ms/step
```

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>8502, dr[0.586,0.418], df[0.688,0.081], g[0.893,0.043]
1/1 [=====] - 0s 79ms/step
>8503, dr[0.606,0.769], df[0.740,0.022], g[0.868,0.016]
1/1 [=====] - 0s 81ms/step
>8504, dr[0.712,0.617], df[0.672,0.054], g[0.834,0.029]
1/1 [=====] - 0s 86ms/step
>8505, dr[0.637,0.705], df[0.727,0.036], g[0.800,0.017]
1/1 [=====] - 0s 78ms/step
>8506, dr[0.680,0.439], df[0.724,0.030], g[0.885,0.035]
1/1 [=====] - 0s 85ms/step
>8507, dr[0.762,0.573], df[0.612,0.042], g[0.875,0.039]
1/1 [=====] - 0s 77ms/step
>8508, dr[0.843,0.418], df[0.701,0.072], g[0.853,0.021]
1/1 [=====] - 0s 78ms/step
>8509, dr[0.637,0.684], df[0.771,0.024], g[0.828,0.020]
1/1 [=====] - 0s 89ms/step
>8510, dr[0.724,0.980], df[0.695,0.058], g[0.874,0.035]
1/1 [=====] - 0s 78ms/step
>8511, dr[0.594,0.458], df[0.751,0.022], g[0.876,0.045]
1/1 [=====] - 0s 77ms/step
>8512, dr[0.716,0.529], df[0.775,0.051], g[0.834,0.034]
1/1 [=====] - 0s 85ms/step
>8513, dr[0.660,0.409], df[0.724,0.101], g[0.936,0.030]
1/1 [=====] - 0s 81ms/step
>8514, dr[0.721,0.453], df[0.731,0.037], g[0.894,0.096]
1/1 [=====] - 0s 82ms/step
>8515, dr[0.667,0.531], df[0.620,0.050], g[0.942,0.061]
1/1 [=====] - 0s 77ms/step
>8516, dr[0.672,0.331], df[0.753,0.064], g[0.835,0.035]
1/1 [=====] - 0s 79ms/step
>8517, dr[0.765,0.693], df[0.719,0.040], g[0.826,0.044]
1/1 [=====] - 0s 86ms/step
>8518, dr[0.629,1.172], df[0.868,0.060], g[0.817,0.050]
1/1 [=====] - 0s 78ms/step
>8519, dr[0.609,0.235], df[0.772,0.023], g[0.900,0.028]
1/1 [=====] - 0s 79ms/step
>8520, dr[0.662,0.427], df[0.621,0.027], g[0.860,0.024]
1/1 [=====] - 0s 79ms/step
>8521, dr[0.799,0.427], df[0.674,0.015], g[0.902,0.049]
1/1 [=====] - 0s 82ms/step
>8522, dr[0.875,0.649], df[0.855,0.021], g[0.900,0.031]
1/1 [=====] - 0s 84ms/step
>8523, dr[0.667,0.309], df[0.642,0.049], g[0.820,0.066]
1/1 [=====] - 0s 78ms/step
>8524, dr[0.636,0.441], df[0.591,0.049], g[0.892,0.043]
1/1 [=====] - 0s 90ms/step
>8525, dr[0.612,0.183], df[0.653,0.027], g[0.848,0.039]
1/1 [=====] - 0s 82ms/step
>8526, dr[0.727,0.640], df[0.748,0.060], g[0.833,0.022]
1/1 [=====] - 0s 78ms/step
>8527, dr[0.662,0.484], df[0.647,0.027], g[0.886,0.036]
1/1 [=====] - 0s 79ms/step
>8528, dr[0.687,0.466], df[0.776,0.028], g[0.891,0.071]
1/1 [=====] - 0s 78ms/step
>8529, dr[0.691,0.426], df[0.656,0.037], g[0.851,0.019]
1/1 [=====] - 0s 80ms/step
>8530, dr[0.709,0.921], df[0.691,0.043], g[0.834,0.031]
1/1 [=====] - 0s 86ms/step
>8531, dr[0.590,0.378], df[0.645,0.034], g[0.884,0.026]
1/1 [=====] - 0s 78ms/step
```

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>8532, dr[0.712,0.561], df[0.748,0.029], g[0.879,0.055]
1/1 [=====] - 0s 78ms/step
>8533, dr[0.691,0.504], df[0.691,0.034], g[0.968,0.043]
1/1 [=====] - 0s 83ms/step
>8534, dr[0.678,0.594], df[0.561,0.028], g[0.964,0.030]
1/1 [=====] - 0s 79ms/step
>8535, dr[0.641,0.337], df[0.633,0.040], g[0.933,0.052]
1/1 [=====] - 0s 81ms/step
>8536, dr[0.597,0.554], df[0.769,0.106], g[0.875,0.023]
1/1 [=====] - 0s 77ms/step
>8537, dr[0.685,0.472], df[0.636,0.057], g[0.891,0.025]
1/1 [=====] - 0s 77ms/step
>8538, dr[0.740,0.532], df[0.690,0.044], g[0.845,0.023]
1/1 [=====] - 0s 85ms/step
>8539, dr[0.668,0.267], df[0.728,0.044], g[0.848,0.015]
1/1 [=====] - 0s 85ms/step
>8540, dr[0.643,0.378], df[0.680,0.023], g[0.829,0.019]
1/1 [=====] - 0s 104ms/step
>8541, dr[0.695,0.297], df[0.680,0.021], g[0.869,0.021]
1/1 [=====] - 0s 114ms/step
>8542, dr[0.566,0.791], df[0.624,0.023], g[0.894,0.041]
1/1 [=====] - 0s 103ms/step
>8543, dr[0.821,0.554], df[0.713,0.032], g[0.919,0.027]
1/1 [=====] - 0s 104ms/step
>8544, dr[0.649,0.445], df[0.856,0.038], g[0.936,0.024]
1/1 [=====] - 0s 111ms/step
>8545, dr[0.747,0.205], df[0.694,0.036], g[0.956,0.047]
1/1 [=====] - 0s 105ms/step
>8546, dr[0.818,0.801], df[0.746,0.029], g[0.849,0.030]
1/1 [=====] - 0s 101ms/step
>8547, dr[0.622,0.895], df[0.628,0.021], g[0.898,0.023]
1/1 [=====] - 0s 104ms/step
>8548, dr[0.693,0.494], df[0.717,0.040], g[0.883,0.014]
1/1 [=====] - 0s 98ms/step
>8549, dr[0.697,0.547], df[0.786,0.036], g[0.890,0.051]
1/1 [=====] - 0s 107ms/step
>8550, dr[0.737,0.406], df[0.640,0.016], g[0.848,0.043]
1/1 [=====] - 0s 98ms/step
>8551, dr[0.728,0.528], df[0.750,0.053], g[0.927,0.029]
1/1 [=====] - 0s 105ms/step
>8552, dr[0.742,0.240], df[0.723,0.028], g[0.809,0.035]
1/1 [=====] - 0s 101ms/step
>8553, dr[0.656,0.383], df[0.701,0.068], g[0.894,0.030]
1/1 [=====] - 0s 107ms/step
>8554, dr[0.655,0.368], df[0.584,0.043], g[0.831,0.044]
1/1 [=====] - 0s 80ms/step
>8555, dr[0.750,0.475], df[0.790,0.058], g[0.884,0.046]
1/1 [=====] - 0s 83ms/step
>8556, dr[0.718,0.671], df[0.749,0.022], g[0.919,0.033]
1/1 [=====] - 0s 86ms/step
>8557, dr[0.607,0.403], df[0.633,0.025], g[0.893,0.028]
1/1 [=====] - 0s 88ms/step
>8558, dr[0.694,0.368], df[0.617,0.047], g[0.803,0.045]
1/1 [=====] - 0s 91ms/step
>8559, dr[0.654,0.293], df[0.781,0.030], g[0.830,0.029]
1/1 [=====] - 0s 86ms/step
>8560, dr[0.698,0.387], df[0.703,0.051], g[0.923,0.040]
1/1 [=====] - 0s 79ms/step
>8561, dr[0.651,0.947], df[0.661,0.087], g[0.878,0.031]
1/1 [=====] - 0s 82ms/step
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>8562, dr[0.613,0.412], df[0.671,0.042], g[0.831,0.036]
1/1 [=====] - 0s 81ms/step
>8563, dr[0.809,0.750], df[0.747,0.067], g[0.843,0.036]
1/1 [=====] - 0s 78ms/step
>8564, dr[0.560,0.690], df[0.629,0.033], g[0.784,0.080]
1/1 [=====] - 0s 84ms/step
>8565, dr[0.687,0.642], df[0.758,0.026], g[0.938,0.027]
1/1 [=====] - 0s 82ms/step
>8566, dr[0.723,0.513], df[0.702,0.022], g[0.815,0.049]
1/1 [=====] - 0s 78ms/step
>8567, dr[0.639,0.366], df[0.731,0.034], g[0.943,0.032]
1/1 [=====] - 0s 114ms/step
>8568, dr[0.751,0.278], df[0.619,0.063], g[0.808,0.025]
1/1 [=====] - 0s 81ms/step
>8569, dr[0.697,0.660], df[0.673,0.069], g[0.935,0.033]
1/1 [=====] - 0s 84ms/step
>8570, dr[0.717,0.328], df[0.728,0.057], g[0.834,0.032]
1/1 [=====] - 0s 90ms/step
>8571, dr[0.577,0.687], df[0.697,0.023], g[0.795,0.031]
1/1 [=====] - 0s 80ms/step
>8572, dr[0.554,0.319], df[0.781,0.015], g[0.930,0.020]
1/1 [=====] - 0s 84ms/step
>8573, dr[0.783,0.473], df[0.655,0.014], g[0.859,0.066]
1/1 [=====] - 0s 84ms/step
>8574, dr[0.681,0.333], df[0.744,0.072], g[0.887,0.041]
1/1 [=====] - 0s 78ms/step
>8575, dr[0.719,0.489], df[0.777,0.063], g[0.867,0.079]
1/1 [=====] - 0s 85ms/step
>8576, dr[0.725,0.392], df[0.770,0.059], g[0.818,0.047]
1/1 [=====] - 0s 79ms/step
>8577, dr[0.854,0.315], df[0.657,0.019], g[0.951,0.013]
1/1 [=====] - 0s 77ms/step
>8578, dr[0.598,0.372], df[0.711,0.015], g[0.962,0.032]
1/1 [=====] - 0s 86ms/step
>8579, dr[0.711,0.444], df[0.552,0.035], g[0.852,0.016]
1/1 [=====] - 0s 79ms/step
>8580, dr[0.660,0.472], df[0.719,0.095], g[0.852,0.032]
1/1 [=====] - 0s 87ms/step
>8581, dr[0.782,0.550], df[0.620,0.019], g[0.901,0.025]
1/1 [=====] - 0s 93ms/step
>8582, dr[0.687,0.469], df[0.754,0.041], g[0.868,0.045]
1/1 [=====] - 0s 99ms/step
>8583, dr[0.680,0.391], df[0.709,0.081], g[0.861,0.046]
1/1 [=====] - 0s 96ms/step
>8584, dr[0.566,0.341], df[0.850,0.040], g[0.883,0.078]
1/1 [=====] - 0s 88ms/step
>8585, dr[0.701,0.422], df[0.731,0.061], g[0.947,0.035]
1/1 [=====] - 0s 80ms/step
>8586, dr[0.766,1.146], df[0.770,0.020], g[0.885,0.029]
1/1 [=====] - 0s 83ms/step
>8587, dr[0.730,0.378], df[0.728,0.024], g[0.783,0.040]
1/1 [=====] - 0s 88ms/step
>8588, dr[0.630,0.417], df[0.544,0.036], g[0.867,0.039]
1/1 [=====] - 0s 79ms/step
>8589, dr[0.619,0.498], df[0.728,0.045], g[0.880,0.058]
1/1 [=====] - 0s 79ms/step
>8590, dr[0.719,0.520], df[0.795,0.036], g[0.904,0.060]
1/1 [=====] - 0s 79ms/step
>8591, dr[0.764,0.581], df[0.748,0.029], g[0.853,0.061]
1/1 [=====] - 0s 83ms/step
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>8592, dr[0.749,0.272], df[0.699,0.025], g[0.882,0.048]
1/1 [=====] - 0s 86ms/step
>8593, dr[0.728,0.465], df[0.720,0.009], g[0.778,0.035]
1/1 [=====] - 0s 77ms/step
>8594, dr[0.610,0.822], df[0.656,0.079], g[0.823,0.023]
1/1 [=====] - 0s 79ms/step
>8595, dr[0.749,0.779], df[0.819,0.066], g[0.905,0.032]
1/1 [=====] - 0s 91ms/step
>8596, dr[0.687,0.269], df[0.701,0.020], g[0.912,0.035]
1/1 [=====] - 0s 103ms/step
>8597, dr[0.687,0.758], df[0.657,0.025], g[0.873,0.058]
1/1 [=====] - 0s 80ms/step
>8598, dr[0.661,0.368], df[0.699,0.142], g[0.883,0.029]
1/1 [=====] - 0s 85ms/step
>8599, dr[0.610,0.538], df[0.698,0.031], g[0.981,0.067]
1/1 [=====] - 0s 83ms/step
>8600, dr[0.729,0.438], df[0.680,0.025], g[0.920,0.038]
1/1 [=====] - 0s 80ms/step
>8601, dr[0.724,0.506], df[0.680,0.034], g[0.949,0.018]
1/1 [=====] - 0s 81ms/step
>8602, dr[0.675,0.543], df[0.688,0.060], g[0.904,0.032]
1/1 [=====] - 0s 79ms/step
>8603, dr[0.756,0.276], df[0.617,0.069], g[0.908,0.024]
1/1 [=====] - 0s 88ms/step
>8604, dr[0.644,0.167], df[0.695,0.025], g[0.839,0.027]
1/1 [=====] - 0s 86ms/step
>8605, dr[0.683,0.404], df[0.707,0.047], g[0.863,0.048]
1/1 [=====] - 0s 77ms/step
>8606, dr[0.711,0.415], df[0.642,0.035], g[0.844,0.017]
1/1 [=====] - 0s 88ms/step
>8607, dr[0.606,0.405], df[0.759,0.012], g[0.834,0.038]
1/1 [=====] - 0s 78ms/step
>8608, dr[0.681,0.415], df[0.586,0.041], g[0.949,0.025]
1/1 [=====] - 0s 82ms/step
>8609, dr[0.650,0.557], df[0.718,0.021], g[0.914,0.035]
1/1 [=====] - 0s 83ms/step
>8610, dr[0.690,0.197], df[0.833,0.047], g[0.783,0.045]
1/1 [=====] - 0s 80ms/step
>8611, dr[0.677,0.597], df[0.642,0.016], g[0.888,0.037]
1/1 [=====] - 0s 79ms/step
>8612, dr[0.547,0.282], df[0.568,0.038], g[0.983,0.035]
1/1 [=====] - 0s 77ms/step
>8613, dr[0.594,0.486], df[0.673,0.020], g[0.928,0.027]
1/1 [=====] - 0s 79ms/step
>8614, dr[0.868,0.506], df[0.673,0.072], g[0.809,0.044]
1/1 [=====] - 0s 92ms/step
>8615, dr[0.714,0.621], df[0.740,0.049], g[0.833,0.066]
1/1 [=====] - 0s 77ms/step
>8616, dr[0.740,1.015], df[0.696,0.031], g[0.830,0.026]
1/1 [=====] - 0s 80ms/step
>8617, dr[0.649,0.819], df[0.812,0.042], g[0.976,0.047]
1/1 [=====] - 0s 81ms/step
>8618, dr[0.570,0.285], df[0.658,0.027], g[0.860,0.034]
1/1 [=====] - 0s 82ms/step
>8619, dr[0.618,0.473], df[0.719,0.035], g[0.917,0.037]
1/1 [=====] - 0s 87ms/step
>8620, dr[0.827,0.305], df[0.728,0.029], g[0.916,0.039]
1/1 [=====] - 0s 79ms/step
>8621, dr[0.645,0.414], df[0.745,0.029], g[0.828,0.027]
1/1 [=====] - 0s 88ms/step
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>8622, dr[0.653,0.528], df[0.724,0.023], g[0.937,0.032]
1/1 [=====] - 0s 84ms/step
>8623, dr[0.605,0.819], df[0.688,0.042], g[0.946,0.038]
1/1 [=====] - 0s 81ms/step
>8624, dr[0.742,0.315], df[0.712,0.027], g[0.914,0.021]
1/1 [=====] - 0s 84ms/step
>8625, dr[0.738,0.570], df[0.559,0.028], g[0.869,0.064]
1/1 [=====] - 0s 90ms/step
>8626, dr[0.688,0.608], df[0.820,0.062], g[0.810,0.019]
1/1 [=====] - 0s 84ms/step
>8627, dr[0.707,0.395], df[0.651,0.044], g[0.813,0.037]
1/1 [=====] - 0s 80ms/step
>8628, dr[0.704,0.391], df[0.643,0.021], g[0.767,0.036]
1/1 [=====] - 0s 82ms/step
>8629, dr[0.768,0.351], df[0.723,0.109], g[0.860,0.071]
1/1 [=====] - 0s 85ms/step
>8630, dr[0.666,0.272], df[0.809,0.034], g[0.844,0.031]
1/1 [=====] - 0s 84ms/step
>8631, dr[0.714,0.314], df[0.782,0.036], g[0.862,0.018]
1/1 [=====] - 0s 78ms/step
>8632, dr[0.659,0.655], df[0.744,0.032], g[0.826,0.034]
1/1 [=====] - 0s 80ms/step
>8633, dr[0.684,0.309], df[0.703,0.095], g[0.878,0.047]
1/1 [=====] - 0s 93ms/step
>8634, dr[0.696,0.866], df[0.648,0.028], g[0.829,0.057]
1/1 [=====] - 0s 115ms/step
>8635, dr[0.754,0.781], df[0.767,0.027], g[0.894,0.153]
1/1 [=====] - 0s 88ms/step
>8636, dr[0.646,0.415], df[0.772,0.021], g[0.919,0.038]
1/1 [=====] - 0s 83ms/step
>8637, dr[0.767,1.090], df[0.697,0.022], g[0.902,0.082]
1/1 [=====] - 0s 81ms/step
>8638, dr[0.650,0.311], df[0.725,0.046], g[0.773,0.027]
1/1 [=====] - 0s 79ms/step
>8639, dr[0.667,0.397], df[0.688,0.028], g[0.971,0.035]
1/1 [=====] - 0s 81ms/step
>8640, dr[0.603,0.231], df[0.673,0.037], g[0.939,0.045]
1/1 [=====] - 0s 82ms/step
>8641, dr[0.774,0.461], df[0.752,0.046], g[0.779,0.025]
1/1 [=====] - 0s 78ms/step
>8642, dr[0.675,0.272], df[0.693,0.026], g[0.901,0.033]
1/1 [=====] - 0s 88ms/step
>8643, dr[0.702,0.711], df[0.700,0.027], g[0.855,0.024]
1/1 [=====] - 0s 80ms/step
>8644, dr[0.740,0.571], df[0.759,0.042], g[0.906,0.042]
1/1 [=====] - 0s 78ms/step
>8645, dr[0.654,0.407], df[0.695,0.045], g[0.855,0.043]
1/1 [=====] - 0s 88ms/step
>8646, dr[0.736,0.435], df[0.662,0.047], g[0.936,0.025]
1/1 [=====] - 0s 82ms/step
>8647, dr[0.668,0.192], df[0.652,0.022], g[0.906,0.021]
1/1 [=====] - 0s 79ms/step
>8648, dr[0.668,0.600], df[0.826,0.018], g[0.869,0.049]
1/1 [=====] - 0s 85ms/step
>8649, dr[0.651,0.226], df[0.660,0.013], g[1.004,0.021]
1/1 [=====] - 0s 88ms/step
>8650, dr[0.809,0.798], df[0.792,0.022], g[0.896,0.043]
1/1 [=====] - 0s 85ms/step
>8651, dr[0.786,0.720], df[0.691,0.014], g[0.826,0.052]
1/1 [=====] - 0s 89ms/step
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>8652, dr[0.702,0.177], df[0.703,0.024], g[0.899,0.042]
1/1 [=====] - 0s 89ms/step
>8653, dr[0.669,0.353], df[0.678,0.055], g[0.912,0.058]
1/1 [=====] - 0s 88ms/step
>8654, dr[0.742,0.228], df[0.697,0.016], g[0.875,0.020]
1/1 [=====] - 0s 96ms/step
>8655, dr[0.635,0.579], df[0.726,0.018], g[0.871,0.057]
1/1 [=====] - 0s 82ms/step
>8656, dr[0.735,0.529], df[0.703,0.057], g[0.849,0.026]
1/1 [=====] - 0s 84ms/step
>8657, dr[0.685,0.666], df[0.701,0.018], g[0.904,0.026]
1/1 [=====] - 0s 77ms/step
>8658, dr[0.694,0.603], df[0.679,0.030], g[0.894,0.042]
1/1 [=====] - 0s 78ms/step
>8659, dr[0.811,0.623], df[0.691,0.081], g[0.804,0.013]
1/1 [=====] - 0s 83ms/step
>8660, dr[0.630,0.916], df[0.767,0.035], g[0.792,0.100]
1/1 [=====] - 0s 77ms/step
>8661, dr[0.630,0.373], df[0.739,0.022], g[0.787,0.044]
1/1 [=====] - 0s 80ms/step
>8662, dr[0.689,0.567], df[0.820,0.028], g[0.943,0.018]
1/1 [=====] - 0s 80ms/step
>8663, dr[0.632,0.281], df[0.661,0.013], g[0.908,0.038]
1/1 [=====] - 0s 80ms/step
>8664, dr[0.632,0.310], df[0.643,0.011], g[0.874,0.047]
1/1 [=====] - 0s 100ms/step
>8665, dr[0.737,0.462], df[0.637,0.027], g[0.878,0.017]
1/1 [=====] - 0s 80ms/step
>8666, dr[0.762,0.367], df[0.588,0.033], g[0.834,0.049]
1/1 [=====] - 0s 77ms/step
>8667, dr[0.627,0.528], df[0.791,0.026], g[0.852,0.026]
1/1 [=====] - 0s 83ms/step
>8668, dr[0.719,0.247], df[0.812,0.026], g[0.868,0.031]
1/1 [=====] - 0s 76ms/step
>8669, dr[0.668,0.422], df[0.697,0.064], g[1.024,0.019]
1/1 [=====] - 0s 81ms/step
>8670, dr[0.740,0.321], df[0.629,0.034], g[0.875,0.054]
1/1 [=====] - 0s 80ms/step
>8671, dr[0.763,0.331], df[0.714,0.015], g[0.811,0.041]
1/1 [=====] - 0s 78ms/step
>8672, dr[0.733,0.250], df[0.648,0.022], g[0.832,0.014]
1/1 [=====] - 0s 85ms/step
>8673, dr[0.694,0.358], df[0.802,0.024], g[0.772,0.028]
1/1 [=====] - 0s 79ms/step
>8674, dr[0.747,0.347], df[0.646,0.023], g[0.891,0.033]
1/1 [=====] - 0s 82ms/step
>8675, dr[0.670,0.392], df[0.674,0.010], g[0.864,0.052]
1/1 [=====] - 0s 81ms/step
>8676, dr[0.658,0.399], df[1.022,0.016], g[0.861,0.019]
1/1 [=====] - 0s 85ms/step
>8677, dr[0.673,0.575], df[0.698,0.048], g[0.864,0.030]
1/1 [=====] - 0s 84ms/step
>8678, dr[0.716,0.450], df[0.568,0.018], g[0.837,0.037]
1/1 [=====] - 0s 77ms/step
>8679, dr[0.613,0.330], df[0.743,0.045], g[0.951,0.027]
1/1 [=====] - 0s 80ms/step
>8680, dr[0.689,0.279], df[0.734,0.023], g[0.853,0.055]
1/1 [=====] - 0s 90ms/step
>8681, dr[0.584,0.340], df[0.637,0.060], g[0.865,0.031]
1/1 [=====] - 0s 83ms/step
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>8682, dr[0.701,0.246], df[0.740,0.052], g[0.974,0.028]
1/1 [=====] - 0s 77ms/step
>8683, dr[0.725,0.375], df[0.594,0.024], g[0.907,0.029]
1/1 [=====] - 0s 82ms/step
>8684, dr[0.638,0.287], df[0.599,0.028], g[0.888,0.019]
1/1 [=====] - 0s 82ms/step
>8685, dr[0.665,0.412], df[0.731,0.038], g[0.870,0.038]
1/1 [=====] - 0s 80ms/step
>8686, dr[0.640,0.134], df[0.614,0.027], g[0.851,0.057]
1/1 [=====] - 0s 78ms/step
>8687, dr[0.760,0.964], df[0.692,0.056], g[0.954,0.013]
1/1 [=====] - 0s 77ms/step
>8688, dr[0.683,0.259], df[0.618,0.020], g[0.880,0.047]
1/1 [=====] - 0s 86ms/step
>8689, dr[0.706,0.608], df[0.740,0.012], g[0.855,0.024]
1/1 [=====] - 0s 79ms/step
>8690, dr[0.624,0.426], df[0.700,0.009], g[0.838,0.042]
1/1 [=====] - 0s 77ms/step
>8691, dr[0.670,0.546], df[0.815,0.052], g[0.823,0.079]
1/1 [=====] - 0s 80ms/step
>8692, dr[0.601,0.468], df[0.689,0.037], g[0.903,0.028]
1/1 [=====] - 0s 81ms/step
>8693, dr[0.714,0.435], df[0.776,0.015], g[0.960,0.029]
1/1 [=====] - 0s 86ms/step
>8694, dr[0.748,0.340], df[0.646,0.018], g[0.922,0.047]
1/1 [=====] - 0s 78ms/step
>8695, dr[0.598,0.183], df[0.618,0.042], g[0.868,0.058]
1/1 [=====] - 0s 76ms/step
>8696, dr[0.712,0.974], df[0.719,0.026], g[0.930,0.024]
1/1 [=====] - 0s 86ms/step
>8697, dr[0.701,0.831], df[0.724,0.014], g[0.892,0.036]
1/1 [=====] - 0s 81ms/step
>8698, dr[0.681,0.402], df[0.768,0.031], g[0.897,0.023]
1/1 [=====] - 0s 108ms/step
>8699, dr[0.707,0.636], df[0.707,0.016], g[0.892,0.029]
1/1 [=====] - 0s 103ms/step
>8700, dr[0.672,0.621], df[0.616,0.048], g[0.923,0.026]
1/1 [=====] - 0s 102ms/step
>8701, dr[0.618,0.545], df[0.669,0.017], g[0.924,0.032]
1/1 [=====] - 0s 88ms/step
>8702, dr[0.647,0.449], df[0.713,0.030], g[0.881,0.035]
1/1 [=====] - 0s 92ms/step
>8703, dr[0.641,0.194], df[0.571,0.033], g[0.825,0.066]
1/1 [=====] - 0s 124ms/step
>8704, dr[0.754,0.675], df[0.764,0.012], g[0.813,0.029]
1/1 [=====] - 0s 125ms/step
>8705, dr[0.694,0.652], df[0.811,0.021], g[0.873,0.036]
1/1 [=====] - 0s 99ms/step
>8706, dr[0.645,0.638], df[0.640,0.018], g[0.852,0.025]
1/1 [=====] - 0s 109ms/step
>8707, dr[0.666,0.692], df[0.657,0.043], g[0.876,0.035]
1/1 [=====] - 0s 103ms/step
>8708, dr[0.710,0.379], df[0.768,0.026], g[0.839,0.038]
1/1 [=====] - 0s 113ms/step
>8709, dr[0.759,0.369], df[0.672,0.026], g[0.862,0.054]
1/1 [=====] - 0s 120ms/step
>8710, dr[0.714,0.467], df[0.627,0.035], g[0.930,0.029]
1/1 [=====] - 0s 119ms/step
>8711, dr[0.658,0.254], df[0.686,0.094], g[0.876,0.015]
1/1 [=====] - 0s 105ms/step
```

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>8712, dr[0.753,0.697], df[0.801,0.037], g[0.895,0.044]
1/1 [=====] - 0s 108ms/step
>8713, dr[0.616,0.479], df[0.714,0.019], g[0.913,0.052]
1/1 [=====] - 0s 94ms/step
>8714, dr[0.728,0.654], df[0.745,0.019], g[0.962,0.032]
1/1 [=====] - 0s 124ms/step
>8715, dr[0.813,0.202], df[0.702,0.106], g[0.881,0.040]
1/1 [=====] - 0s 97ms/step
>8716, dr[0.678,0.640], df[0.686,0.025], g[0.868,0.014]
1/1 [=====] - 0s 89ms/step
>8717, dr[0.661,0.281], df[0.641,0.019], g[0.935,0.032]
1/1 [=====] - 0s 98ms/step
>8718, dr[0.673,0.358], df[0.773,0.018], g[0.885,0.022]
1/1 [=====] - 0s 92ms/step
>8719, dr[0.677,0.500], df[0.712,0.020], g[0.928,0.048]
1/1 [=====] - 0s 88ms/step
>8720, dr[0.684,0.365], df[0.701,0.032], g[0.855,0.038]
1/1 [=====] - 0s 101ms/step
>8721, dr[0.635,0.362], df[0.690,0.022], g[0.950,0.041]
1/1 [=====] - 0s 90ms/step
>8722, dr[0.720,0.338], df[0.753,0.021], g[0.853,0.044]
1/1 [=====] - 0s 92ms/step
>8723, dr[0.721,0.657], df[0.650,0.022], g[0.847,0.024]
1/1 [=====] - 0s 91ms/step
>8724, dr[0.645,0.741], df[0.751,0.031], g[0.937,0.025]
1/1 [=====] - 0s 125ms/step
>8725, dr[0.731,0.612], df[0.623,0.015], g[0.926,0.018]
1/1 [=====] - 0s 94ms/step
>8726, dr[0.794,0.671], df[0.774,0.021], g[0.854,0.032]
1/1 [=====] - 0s 113ms/step
>8727, dr[0.611,0.648], df[0.736,0.026], g[0.874,0.028]
1/1 [=====] - 0s 102ms/step
>8728, dr[0.663,0.647], df[0.732,0.027], g[0.891,0.047]
1/1 [=====] - 0s 104ms/step
>8729, dr[0.736,0.262], df[0.708,0.022], g[0.874,0.053]
1/1 [=====] - 0s 85ms/step
>8730, dr[0.693,0.568], df[0.652,0.019], g[0.863,0.040]
1/1 [=====] - 0s 85ms/step
>8731, dr[0.759,0.643], df[0.723,0.058], g[0.824,0.022]
1/1 [=====] - 0s 87ms/step
>8732, dr[0.638,0.227], df[0.731,0.032], g[0.813,0.023]
1/1 [=====] - 0s 86ms/step
>8733, dr[0.604,0.303], df[0.678,0.062], g[0.875,0.021]
1/1 [=====] - 0s 87ms/step
>8734, dr[0.675,0.563], df[0.725,0.016], g[0.979,0.029]
1/1 [=====] - 0s 106ms/step
>8735, dr[0.708,0.954], df[0.657,0.048], g[0.900,0.096]
1/1 [=====] - 0s 81ms/step
>8736, dr[0.804,0.652], df[0.796,0.034], g[0.900,0.040]
1/1 [=====] - 0s 82ms/step
>8737, dr[0.679,0.501], df[0.745,0.031], g[0.981,0.018]
1/1 [=====] - 0s 90ms/step
>8738, dr[0.676,0.471], df[0.591,0.034], g[0.800,0.049]
1/1 [=====] - 0s 83ms/step
>8739, dr[0.639,0.266], df[0.746,0.032], g[0.885,0.033]
1/1 [=====] - 0s 102ms/step
>8740, dr[0.599,0.242], df[0.646,0.021], g[0.876,0.039]
1/1 [=====] - 0s 93ms/step
>8741, dr[0.525,0.325], df[0.656,0.041], g[0.867,0.032]
1/1 [=====] - 0s 84ms/step
```

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>8742, dr[0.629,0.278], df[0.705,0.027], g[0.958,0.028]
1/1 [=====] - 0s 115ms/step
>8743, dr[0.714,0.202], df[0.714,0.017], g[0.909,0.039]
1/1 [=====] - 0s 103ms/step
>8744, dr[0.676,0.398], df[0.713,0.020], g[0.923,0.043]
1/1 [=====] - 0s 110ms/step
>8745, dr[0.697,0.335], df[0.720,0.018], g[0.954,0.035]
1/1 [=====] - 0s 125ms/step
>8746, dr[0.643,0.354], df[0.589,0.089], g[0.985,0.035]
1/1 [=====] - 0s 112ms/step
>8747, dr[0.657,0.419], df[0.584,0.012], g[0.858,0.020]
1/1 [=====] - 0s 120ms/step
>8748, dr[0.816,0.328], df[0.636,0.018], g[0.838,0.023]
1/1 [=====] - 0s 117ms/step
>8749, dr[0.649,0.578], df[0.730,0.029], g[0.888,0.036]
1/1 [=====] - 0s 98ms/step
>8750, dr[0.686,0.615], df[0.638,0.023], g[0.929,0.026]
1/1 [=====] - 0s 128ms/step
>8751, dr[0.852,0.304], df[0.753,0.026], g[0.836,0.054]
1/1 [=====] - 0s 114ms/step
>8752, dr[0.732,0.375], df[0.695,0.065], g[0.880,0.019]
1/1 [=====] - 0s 90ms/step
>8753, dr[0.662,0.617], df[0.650,0.042], g[0.838,0.077]
1/1 [=====] - 0s 84ms/step
>8754, dr[0.661,1.120], df[0.652,0.084], g[0.876,0.051]
1/1 [=====] - 0s 82ms/step
>8755, dr[0.504,0.425], df[0.758,0.034], g[0.872,0.095]
1/1 [=====] - 0s 96ms/step
>8756, dr[0.671,0.397], df[0.638,0.028], g[0.881,0.021]
1/1 [=====] - 0s 88ms/step
>8757, dr[0.741,0.434], df[0.698,0.019], g[0.910,0.023]
1/1 [=====] - 0s 83ms/step
>8758, dr[0.777,0.505], df[0.820,0.042], g[0.892,0.020]
1/1 [=====] - 0s 94ms/step
>8759, dr[0.705,0.531], df[0.799,0.018], g[0.886,0.056]
1/1 [=====] - 0s 86ms/step
>8760, dr[0.688,0.346], df[0.749,0.168], g[0.832,0.029]
1/1 [=====] - 0s 95ms/step
>8761, dr[0.638,0.483], df[0.750,0.071], g[0.843,0.045]
1/1 [=====] - 0s 83ms/step
>8762, dr[0.663,0.381], df[0.648,0.039], g[0.899,0.027]
1/1 [=====] - 0s 82ms/step
>8763, dr[0.672,0.713], df[0.652,0.044], g[0.836,0.070]
1/1 [=====] - 0s 78ms/step
>8764, dr[0.687,0.218], df[0.681,0.038], g[0.879,0.059]
1/1 [=====] - 0s 84ms/step
>8765, dr[0.758,0.683], df[0.763,0.023], g[0.960,0.041]
1/1 [=====] - 0s 78ms/step
>8766, dr[0.677,0.324], df[0.801,0.020], g[0.855,0.044]
1/1 [=====] - 0s 80ms/step
>8767, dr[0.592,0.274], df[0.661,0.011], g[0.875,0.026]
1/1 [=====] - 0s 83ms/step
>8768, dr[0.743,0.480], df[0.690,0.053], g[0.856,0.031]
1/1 [=====] - 0s 90ms/step
>8769, dr[0.696,0.426], df[0.607,0.064], g[0.858,0.061]
1/1 [=====] - 0s 92ms/step
>8770, dr[0.660,0.744], df[0.743,0.026], g[0.791,0.024]
1/1 [=====] - 0s 82ms/step
>8771, dr[0.547,0.623], df[0.658,0.023], g[0.880,0.026]
1/1 [=====] - 0s 86ms/step
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>8772, dr[0.673,0.404], df[0.682,0.025], g[0.877,0.035]
1/1 [=====] - 0s 97ms/step
>8773, dr[0.691,0.581], df[0.701,0.016], g[0.868,0.135]
1/1 [=====] - 0s 89ms/step
>8774, dr[0.623,0.563], df[0.624,0.011], g[0.969,0.029]
1/1 [=====] - 0s 91ms/step
>8775, dr[0.780,0.336], df[0.731,0.016], g[0.947,0.027]
1/1 [=====] - 0s 86ms/step
>8776, dr[0.717,0.647], df[0.640,0.018], g[0.803,0.031]
1/1 [=====] - 0s 85ms/step
>8777, dr[0.688,0.363], df[0.654,0.019], g[0.867,0.023]
1/1 [=====] - 0s 87ms/step
>8778, dr[0.620,0.402], df[0.722,0.074], g[0.875,0.020]
1/1 [=====] - 0s 89ms/step
>8779, dr[0.755,0.531], df[0.768,0.021], g[0.825,0.032]
1/1 [=====] - 0s 82ms/step
>8780, dr[0.715,0.269], df[0.653,0.023], g[0.941,0.022]
1/1 [=====] - 0s 81ms/step
>8781, dr[0.756,0.417], df[0.823,0.026], g[0.826,0.054]
1/1 [=====] - 0s 97ms/step
>8782, dr[0.596,0.247], df[0.661,0.124], g[0.898,0.023]
1/1 [=====] - 0s 91ms/step
>8783, dr[0.774,0.331], df[0.811,0.028], g[0.921,0.116]
1/1 [=====] - 0s 87ms/step
>8784, dr[0.634,0.510], df[0.597,0.052], g[0.858,0.041]
1/1 [=====] - 0s 110ms/step
>8785, dr[0.708,0.607], df[0.703,0.026], g[0.808,0.038]
1/1 [=====] - 0s 118ms/step
>8786, dr[0.520,0.199], df[0.633,0.080], g[0.898,0.022]
1/1 [=====] - 0s 116ms/step
>8787, dr[0.775,0.315], df[0.644,0.059], g[0.998,0.024]
1/1 [=====] - 0s 113ms/step
>8788, dr[0.657,0.583], df[0.672,0.024], g[0.830,0.036]
1/1 [=====] - 0s 91ms/step
>8789, dr[0.635,0.382], df[0.749,0.049], g[0.933,0.018]
1/1 [=====] - 0s 98ms/step
>8790, dr[0.678,0.709], df[0.799,0.041], g[0.866,0.025]
1/1 [=====] - 0s 98ms/step
>8791, dr[0.796,0.714], df[0.605,0.029], g[0.845,0.024]
1/1 [=====] - 0s 93ms/step
>8792, dr[0.695,0.551], df[0.593,0.041], g[0.859,0.041]
1/1 [=====] - 0s 88ms/step
>8793, dr[0.710,0.412], df[0.847,0.039], g[0.889,0.025]
1/1 [=====] - 0s 95ms/step
>8794, dr[0.685,0.348], df[0.795,0.079], g[0.783,0.016]
1/1 [=====] - 0s 87ms/step
>8795, dr[0.610,0.479], df[0.684,0.020], g[0.891,0.038]
1/1 [=====] - 0s 87ms/step
>8796, dr[0.797,0.775], df[0.556,0.023], g[0.867,0.041]
1/1 [=====] - 0s 94ms/step
>8797, dr[0.622,0.622], df[0.778,0.065], g[0.859,0.095]
1/1 [=====] - 0s 87ms/step
>8798, dr[0.629,0.666], df[0.777,0.025], g[0.879,0.027]
1/1 [=====] - 0s 87ms/step
>8799, dr[0.759,0.361], df[0.673,0.051], g[0.920,0.027]
1/1 [=====] - 0s 90ms/step
>8800, dr[0.699,0.351], df[0.807,0.020], g[0.880,0.021]
1/1 [=====] - 0s 82ms/step
>8801, dr[0.856,0.594], df[0.658,0.023], g[0.877,0.032]
1/1 [=====] - 0s 86ms/step
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>8802, dr[0.694,0.333], df[0.684,0.039], g[0.835,0.034]
1/1 [=====] - 0s 90ms/step
>8803, dr[0.723,0.438], df[0.815,0.044], g[0.831,0.052]
1/1 [=====] - 0s 86ms/step
>8804, dr[0.538,0.452], df[0.684,0.033], g[0.819,0.028]
1/1 [=====] - 0s 95ms/step
>8805, dr[0.666,0.586], df[0.713,0.015], g[0.888,0.025]
1/1 [=====] - 0s 93ms/step
>8806, dr[0.708,0.393], df[0.703,0.015], g[0.931,0.033]
1/1 [=====] - 0s 80ms/step
>8807, dr[0.630,0.850], df[0.675,0.032], g[0.921,0.027]
1/1 [=====] - 0s 96ms/step
>8808, dr[0.700,1.277], df[0.638,0.054], g[0.886,0.031]
1/1 [=====] - 0s 87ms/step
>8809, dr[0.790,0.265], df[0.662,0.037], g[0.827,0.060]
1/1 [=====] - 0s 94ms/step
>8810, dr[0.664,0.381], df[0.817,0.017], g[0.909,0.022]
1/1 [=====] - 0s 81ms/step
>8811, dr[0.629,0.583], df[0.726,0.024], g[0.869,0.022]
1/1 [=====] - 0s 86ms/step
>8812, dr[0.733,0.333], df[0.638,0.026], g[0.872,0.021]
1/1 [=====] - 0s 100ms/step
>8813, dr[0.696,0.723], df[0.720,0.034], g[0.832,0.035]
1/1 [=====] - 0s 92ms/step
>8814, dr[0.749,0.568], df[0.699,0.048], g[0.873,0.027]
1/1 [=====] - 0s 83ms/step
>8815, dr[0.682,0.270], df[0.760,0.046], g[0.855,0.033]
1/1 [=====] - 0s 98ms/step
>8816, dr[0.756,0.349], df[0.666,0.017], g[0.912,0.042]
1/1 [=====] - 0s 83ms/step
>8817, dr[0.688,1.129], df[0.642,0.077], g[0.781,0.048]
1/1 [=====] - 0s 85ms/step
>8818, dr[0.602,0.617], df[0.703,0.051], g[0.833,0.084]
1/1 [=====] - 0s 87ms/step
>8819, dr[0.588,0.235], df[0.694,0.013], g[0.830,0.042]
1/1 [=====] - 0s 112ms/step
>8820, dr[0.722,0.747], df[0.778,0.020], g[0.725,0.036]
1/1 [=====] - 0s 80ms/step
>8821, dr[0.656,0.266], df[0.826,0.017], g[0.898,0.017]
1/1 [=====] - 0s 82ms/step
>8822, dr[0.674,0.539], df[0.620,0.012], g[0.858,0.035]
1/1 [=====] - 0s 87ms/step
>8823, dr[0.692,0.386], df[0.669,0.031], g[0.869,0.031]
1/1 [=====] - 0s 83ms/step
>8824, dr[0.574,0.899], df[0.701,0.037], g[0.924,0.036]
1/1 [=====] - 0s 79ms/step
>8825, dr[0.676,0.159], df[0.656,0.018], g[0.794,0.061]
1/1 [=====] - 0s 89ms/step
>8826, dr[0.757,0.654], df[0.687,0.134], g[0.818,0.026]
1/1 [=====] - 0s 78ms/step
>8827, dr[0.680,0.444], df[0.658,0.014], g[0.759,0.032]
1/1 [=====] - 0s 79ms/step
>8828, dr[0.573,0.340], df[0.679,0.038], g[0.764,0.050]
1/1 [=====] - 0s 85ms/step
>8829, dr[0.536,0.475], df[0.685,0.019], g[0.832,0.066]
1/1 [=====] - 0s 81ms/step
>8830, dr[0.562,0.346], df[0.690,0.028], g[0.879,0.029]
1/1 [=====] - 0s 79ms/step
>8831, dr[0.764,0.806], df[0.665,0.036], g[0.909,0.024]
1/1 [=====] - 0s 79ms/step
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>8832, dr[0.546,0.735], df[0.628,0.098], g[0.899,0.028]
1/1 [=====] - 0s 77ms/step
>8833, dr[0.799,0.537], df[0.660,0.064], g[0.847,0.026]
1/1 [=====] - 0s 81ms/step
>8834, dr[0.629,0.708], df[0.833,0.083], g[0.956,0.032]
1/1 [=====] - 0s 82ms/step
>8835, dr[0.738,0.430], df[0.605,0.033], g[0.894,0.027]
1/1 [=====] - 0s 80ms/step
>8836, dr[0.735,0.896], df[0.630,0.033], g[0.916,0.032]
1/1 [=====] - 0s 87ms/step
>8837, dr[0.700,0.645], df[0.701,0.023], g[0.891,0.099]
1/1 [=====] - 0s 91ms/step
>8838, dr[0.749,0.244], df[0.733,0.052], g[0.793,0.035]
1/1 [=====] - 0s 79ms/step
>8839, dr[0.644,0.583], df[0.676,0.036], g[0.785,0.052]
1/1 [=====] - 0s 81ms/step
>8840, dr[0.677,0.295], df[0.643,0.020], g[0.793,0.027]
1/1 [=====] - 0s 81ms/step
>8841, dr[0.687,0.544], df[0.695,0.027], g[0.855,0.023]
1/1 [=====] - 0s 86ms/step
>8842, dr[0.551,0.589], df[0.758,0.042], g[0.865,0.025]
1/1 [=====] - 0s 80ms/step
>8843, dr[0.669,0.430], df[0.806,0.024], g[0.837,0.055]
1/1 [=====] - 0s 81ms/step
>8844, dr[0.716,0.795], df[0.708,0.062], g[0.911,0.034]
1/1 [=====] - 0s 86ms/step
>8845, dr[0.827,0.575], df[0.739,0.031], g[0.830,0.031]
1/1 [=====] - 0s 89ms/step
>8846, dr[0.728,0.750], df[0.618,0.034], g[0.921,0.024]
1/1 [=====] - 0s 84ms/step
>8847, dr[0.819,0.381], df[0.642,0.030], g[0.867,0.027]
1/1 [=====] - 0s 83ms/step
>8848, dr[0.644,0.390], df[0.699,0.021], g[0.861,0.032]
1/1 [=====] - 0s 80ms/step
>8849, dr[0.581,0.370], df[0.687,0.037], g[0.823,0.031]
1/1 [=====] - 0s 83ms/step
>8850, dr[0.586,0.335], df[0.638,0.057], g[0.918,0.040]
1/1 [=====] - 0s 79ms/step
>8851, dr[0.770,0.439], df[0.811,0.022], g[0.961,0.029]
1/1 [=====] - 0s 82ms/step
>8852, dr[0.795,0.497], df[0.626,0.028], g[0.801,0.030]
1/1 [=====] - 0s 87ms/step
>8853, dr[0.660,0.706], df[0.794,0.033], g[0.796,0.029]
1/1 [=====] - 0s 78ms/step
>8854, dr[0.767,0.627], df[0.818,0.029], g[0.811,0.025]
1/1 [=====] - 0s 80ms/step
>8855, dr[0.577,0.387], df[0.725,0.052], g[0.863,0.053]
1/1 [=====] - 0s 83ms/step
>8856, dr[0.726,0.606], df[0.672,0.034], g[0.790,0.054]
1/1 [=====] - 0s 82ms/step
>8857, dr[0.595,0.438], df[0.764,0.045], g[0.943,0.034]
1/1 [=====] - 0s 81ms/step
>8858, dr[0.564,0.636], df[0.635,0.028], g[0.985,0.024]
1/1 [=====] - 0s 80ms/step
>8859, dr[0.755,0.629], df[0.722,0.023], g[0.878,0.053]
1/1 [=====] - 0s 84ms/step
>8860, dr[0.721,0.227], df[0.730,0.026], g[0.925,0.080]
1/1 [=====] - 0s 89ms/step
>8861, dr[0.692,0.772], df[0.735,0.054], g[0.872,0.065]
1/1 [=====] - 0s 77ms/step
```

```
>8862, dr[0.664,0.335], df[0.621,0.064], g[0.936,0.029]
1/1 [=====] - 0s 78ms/step
>8863, dr[0.690,0.623], df[0.714,0.020], g[0.902,0.024]
1/1 [=====] - 0s 91ms/step
>8864, dr[0.730,0.310], df[0.734,0.022], g[0.903,0.021]
1/1 [=====] - 0s 78ms/step
>8865, dr[0.682,0.437], df[0.618,0.025], g[0.854,0.046]
1/1 [=====] - 0s 81ms/step
>8866, dr[0.814,0.600], df[0.806,0.019], g[0.862,0.046]
1/1 [=====] - 0s 79ms/step
>8867, dr[0.618,0.741], df[0.733,0.041], g[0.851,0.015]
1/1 [=====] - 0s 83ms/step
>8868, dr[0.650,0.469], df[0.844,0.052], g[0.826,0.032]
1/1 [=====] - 0s 87ms/step
>8869, dr[0.697,0.286], df[0.664,0.026], g[0.921,0.028]
1/1 [=====] - 0s 77ms/step
>8870, dr[0.785,1.019], df[0.728,0.036], g[0.903,0.033]
1/1 [=====] - 0s 80ms/step
>8871, dr[0.785,0.423], df[0.729,0.027], g[0.906,0.047]
1/1 [=====] - 0s 84ms/step
>8872, dr[0.706,0.278], df[0.684,0.069], g[0.877,0.029]
1/1 [=====] - 0s 76ms/step
>8873, dr[0.732,0.217], df[0.738,0.042], g[0.793,0.049]
1/1 [=====] - 0s 83ms/step
>8874, dr[0.644,0.749], df[0.663,0.189], g[0.838,0.026]
1/1 [=====] - 0s 78ms/step
>8875, dr[0.652,0.158], df[0.777,0.040], g[0.878,0.039]
1/1 [=====] - 0s 100ms/step
>8876, dr[0.799,0.361], df[0.779,0.028], g[0.978,0.027]
1/1 [=====] - 0s 86ms/step
>8877, dr[0.758,0.190], df[0.638,0.033], g[0.910,0.066]
1/1 [=====] - 0s 80ms/step
>8878, dr[0.774,0.666], df[0.620,0.049], g[0.894,0.037]
1/1 [=====] - 0s 82ms/step
>8879, dr[0.626,0.387], df[0.633,0.028], g[0.999,0.020]
1/1 [=====] - 0s 87ms/step
>8880, dr[0.797,0.525], df[0.797,0.068], g[0.854,0.026]
1/1 [=====] - 0s 82ms/step
>8881, dr[0.675,0.747], df[0.768,0.069], g[0.845,0.034]
1/1 [=====] - 0s 79ms/step
>8882, dr[0.675,0.845], df[0.837,0.019], g[0.874,0.024]
1/1 [=====] - 0s 81ms/step
>8883, dr[0.662,0.501], df[0.748,0.017], g[0.792,0.042]
1/1 [=====] - 0s 81ms/step
>8884, dr[0.633,0.467], df[0.713,0.014], g[0.921,0.033]
1/1 [=====] - 0s 91ms/step
>8885, dr[0.737,0.705], df[0.687,0.027], g[0.886,0.018]
1/1 [=====] - 0s 91ms/step
>8886, dr[0.728,0.503], df[0.775,0.031], g[0.978,0.050]
1/1 [=====] - 0s 78ms/step
>8887, dr[0.661,0.444], df[0.615,0.071], g[0.909,0.024]
1/1 [=====] - 0s 85ms/step
>8888, dr[0.687,0.676], df[0.561,0.078], g[0.946,0.067]
1/1 [=====] - 0s 78ms/step
>8889, dr[0.601,0.404], df[0.761,0.054], g[0.818,0.024]
1/1 [=====] - 0s 85ms/step
>8890, dr[0.613,0.504], df[0.754,0.041], g[0.906,0.022]
1/1 [=====] - 0s 85ms/step
>8891, dr[0.817,0.580], df[0.626,0.037], g[0.884,0.042]
1/1 [=====] - 0s 77ms/step
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>8892, dr[0.773,0.250], df[0.712,0.061], g[0.885,0.059]
1/1 [=====] - 0s 83ms/step
>8893, dr[0.752,0.843], df[0.757,0.044], g[0.831,0.049]
1/1 [=====] - 0s 83ms/step
>8894, dr[0.637,0.414], df[0.692,0.040], g[0.932,0.033]
1/1 [=====] - 0s 79ms/step
>8895, dr[0.658,0.588], df[0.739,0.070], g[0.834,0.023]
1/1 [=====] - 0s 82ms/step
>8896, dr[0.803,0.371], df[0.745,0.048], g[0.849,0.066]
1/1 [=====] - 0s 79ms/step
>8897, dr[0.647,0.544], df[0.732,0.031], g[0.829,0.029]
1/1 [=====] - 0s 89ms/step
>8898, dr[0.663,0.306], df[0.766,0.054], g[0.870,0.025]
1/1 [=====] - 0s 85ms/step
>8899, dr[0.758,0.516], df[0.677,0.038], g[0.870,0.079]
1/1 [=====] - 0s 77ms/step
>8900, dr[0.654,0.461], df[0.655,0.031], g[0.847,0.019]
1/1 [=====] - 0s 79ms/step
>8901, dr[0.638,0.261], df[0.664,0.060], g[0.984,0.031]
1/1 [=====] - 0s 83ms/step
>8902, dr[0.717,0.918], df[0.685,0.041], g[0.925,0.058]
1/1 [=====] - 0s 84ms/step
>8903, dr[0.809,0.817], df[0.666,0.024], g[0.789,0.052]
1/1 [=====] - 0s 85ms/step
>8904, dr[0.654,0.356], df[0.662,0.035], g[0.844,0.080]
1/1 [=====] - 0s 82ms/step
>8905, dr[0.668,0.528], df[0.774,0.072], g[0.804,0.025]
1/1 [=====] - 0s 85ms/step
>8906, dr[0.667,0.622], df[0.705,0.015], g[0.781,0.048]
1/1 [=====] - 0s 87ms/step
>8907, dr[0.651,0.400], df[0.648,0.017], g[0.938,0.027]
1/1 [=====] - 0s 90ms/step
>8908, dr[0.659,0.610], df[0.850,0.033], g[0.947,0.021]
1/1 [=====] - 0s 83ms/step
>8909, dr[0.779,0.381], df[0.714,0.025], g[0.906,0.050]
1/1 [=====] - 0s 86ms/step
>8910, dr[0.732,1.042], df[0.677,0.036], g[0.836,0.033]
1/1 [=====] - 0s 77ms/step
>8911, dr[0.700,0.883], df[0.722,0.046], g[0.884,0.043]
1/1 [=====] - 0s 81ms/step
>8912, dr[0.763,0.237], df[0.667,0.081], g[0.876,0.036]
1/1 [=====] - 0s 87ms/step
>8913, dr[0.666,0.552], df[0.707,0.033], g[0.833,0.026]
1/1 [=====] - 0s 81ms/step
>8914, dr[0.629,0.611], df[0.738,0.042], g[0.925,0.031]
1/1 [=====] - 0s 79ms/step
>8915, dr[0.775,0.972], df[0.732,0.098], g[0.888,0.051]
1/1 [=====] - 0s 79ms/step
>8916, dr[0.614,0.449], df[0.679,0.037], g[0.783,0.041]
1/1 [=====] - 0s 80ms/step
>8917, dr[0.638,0.624], df[0.772,0.011], g[0.785,0.026]
1/1 [=====] - 0s 83ms/step
>8918, dr[0.829,0.222], df[0.665,0.024], g[0.879,0.040]
1/1 [=====] - 0s 89ms/step
>8919, dr[0.754,0.401], df[0.723,0.016], g[0.822,0.044]
1/1 [=====] - 0s 80ms/step
>8920, dr[0.566,0.350], df[0.732,0.105], g[0.860,0.025]
1/1 [=====] - 0s 90ms/step
>8921, dr[0.683,0.476], df[0.773,0.034], g[0.824,0.035]
1/1 [=====] - 0s 78ms/step
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>8922, dr[0.700,0.486], df[0.655,0.019], g[0.760,0.015]
1/1 [=====] - 0s 77ms/step
>8923, dr[0.733,0.622], df[0.751,0.017], g[0.825,0.046]
1/1 [=====] - 0s 81ms/step
>8924, dr[0.596,0.798], df[0.677,0.018], g[0.816,0.045]
1/1 [=====] - 0s 85ms/step
>8925, dr[0.721,0.689], df[0.722,0.016], g[0.933,0.024]
1/1 [=====] - 0s 81ms/step
>8926, dr[0.653,0.744], df[0.670,0.027], g[0.897,0.069]
1/1 [=====] - 0s 77ms/step
>8927, dr[0.610,0.605], df[0.771,0.076], g[0.813,0.025]
1/1 [=====] - 0s 79ms/step
>8928, dr[0.659,0.540], df[0.619,0.038], g[0.862,0.026]
1/1 [=====] - 0s 87ms/step
>8929, dr[0.624,0.494], df[0.724,0.024], g[0.940,0.025]
1/1 [=====] - 0s 82ms/step
>8930, dr[0.748,0.167], df[0.639,0.035], g[0.810,0.027]
1/1 [=====] - 0s 80ms/step
>8931, dr[0.730,0.461], df[0.757,0.035], g[0.891,0.021]
1/1 [=====] - 0s 83ms/step
>8932, dr[0.726,0.394], df[0.697,0.049], g[0.873,0.036]
1/1 [=====] - 0s 88ms/step
>8933, dr[0.702,0.378], df[0.697,0.036], g[0.858,0.028]
1/1 [=====] - 0s 80ms/step
>8934, dr[0.645,0.212], df[0.820,0.048], g[0.822,0.028]
1/1 [=====] - 0s 79ms/step
>8935, dr[0.620,0.399], df[0.660,0.019], g[0.770,0.018]
1/1 [=====] - 0s 78ms/step
>8936, dr[0.679,0.366], df[0.681,0.029], g[0.779,0.028]
1/1 [=====] - 0s 85ms/step
>8937, dr[0.742,0.598], df[0.704,0.061], g[0.879,0.027]
1/1 [=====] - 0s 78ms/step
>8938, dr[0.709,0.485], df[0.801,0.052], g[0.887,0.039]
1/1 [=====] - 0s 80ms/step
>8939, dr[0.620,0.339], df[0.701,0.021], g[0.840,0.012]
1/1 [=====] - 0s 85ms/step
>8940, dr[0.662,0.471], df[0.725,0.138], g[0.835,0.010]
1/1 [=====] - 0s 81ms/step
>8941, dr[0.729,0.851], df[0.662,0.018], g[0.888,0.060]
1/1 [=====] - 0s 99ms/step
>8942, dr[0.801,0.347], df[0.604,0.016], g[0.835,0.022]
1/1 [=====] - 0s 88ms/step
>8943, dr[0.761,0.625], df[0.784,0.031], g[1.005,0.028]
1/1 [=====] - 0s 91ms/step
>8944, dr[0.613,0.381], df[0.605,0.024], g[0.908,0.028]
1/1 [=====] - 0s 84ms/step
>8945, dr[0.778,0.352], df[0.671,0.023], g[0.837,0.033]
1/1 [=====] - 0s 81ms/step
>8946, dr[0.636,0.355], df[0.777,0.022], g[0.824,0.029]
1/1 [=====] - 0s 80ms/step
>8947, dr[0.538,0.446], df[0.782,0.040], g[0.855,0.036]
1/1 [=====] - 0s 81ms/step
>8948, dr[0.611,0.191], df[0.628,0.033], g[0.872,0.017]
1/1 [=====] - 0s 79ms/step
>8949, dr[0.725,0.495], df[0.673,0.050], g[0.968,0.025]
1/1 [=====] - 0s 85ms/step
>8950, dr[0.683,0.864], df[0.657,0.032], g[0.866,0.024]
1/1 [=====] - 0s 85ms/step
>8951, dr[0.658,0.625], df[0.653,0.040], g[0.820,0.035]
1/1 [=====] - 0s 77ms/step
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>8952, dr[0.778,0.504], df[0.638,0.033], g[0.846,0.016]
1/1 [=====] - 0s 79ms/step
>8953, dr[0.722,0.564], df[0.683,0.031], g[0.941,0.028]
1/1 [=====] - 0s 83ms/step
>8954, dr[0.594,0.484], df[0.709,0.033], g[0.830,0.017]
1/1 [=====] - 0s 85ms/step
>8955, dr[0.641,0.500], df[0.644,0.055], g[0.909,0.044]
1/1 [=====] - 0s 79ms/step
>8956, dr[0.704,0.571], df[0.700,0.048], g[0.924,0.024]
1/1 [=====] - 0s 80ms/step
>8957, dr[0.725,0.750], df[0.658,0.026], g[0.884,0.086]
1/1 [=====] - 0s 79ms/step
>8958, dr[0.698,0.758], df[0.681,0.041], g[0.837,0.041]
1/1 [=====] - 0s 86ms/step
>8959, dr[0.628,0.327], df[0.731,0.041], g[0.874,0.060]
1/1 [=====] - 0s 85ms/step
>8960, dr[0.690,0.363], df[0.663,0.066], g[0.855,0.026]
1/1 [=====] - 0s 81ms/step
>8961, dr[0.639,0.419], df[0.646,0.042], g[0.860,0.028]
1/1 [=====] - 0s 85ms/step
>8962, dr[0.590,0.461], df[0.803,0.022], g[0.852,0.049]
1/1 [=====] - 0s 81ms/step
>8963, dr[0.716,0.643], df[0.713,0.080], g[0.826,0.044]
1/1 [=====] - 0s 80ms/step
>8964, dr[0.749,0.593], df[0.707,0.025], g[0.916,0.059]
1/1 [=====] - 0s 80ms/step
>8965, dr[0.785,0.707], df[0.699,0.019], g[0.898,0.023]
1/1 [=====] - 0s 78ms/step
>8966, dr[0.688,0.430], df[0.629,0.017], g[0.773,0.058]
1/1 [=====] - 0s 92ms/step
>8967, dr[0.598,0.537], df[0.646,0.029], g[0.901,0.030]
1/1 [=====] - 0s 80ms/step
>8968, dr[0.681,0.321], df[0.653,0.032], g[0.941,0.032]
1/1 [=====] - 0s 79ms/step
>8969, dr[0.678,0.551], df[0.676,0.016], g[0.804,0.035]
1/1 [=====] - 0s 108ms/step
>8970, dr[0.646,0.329], df[0.678,0.012], g[0.813,0.046]
1/1 [=====] - 0s 96ms/step
>8971, dr[0.768,0.606], df[0.728,0.031], g[0.951,0.055]
1/1 [=====] - 0s 97ms/step
>8972, dr[0.682,0.269], df[0.706,0.023], g[0.917,0.021]
1/1 [=====] - 0s 103ms/step
>8973, dr[0.632,0.604], df[0.666,0.031], g[0.826,0.024]
1/1 [=====] - 0s 108ms/step
>8974, dr[0.652,0.303], df[0.717,0.050], g[0.780,0.020]
1/1 [=====] - 0s 99ms/step
>8975, dr[0.683,0.487], df[0.640,0.022], g[0.884,0.037]
1/1 [=====] - 0s 106ms/step
>8976, dr[0.625,0.352], df[0.795,0.049], g[0.886,0.032]
1/1 [=====] - 0s 97ms/step
>8977, dr[0.641,0.314], df[0.728,0.030], g[0.859,0.024]
1/1 [=====] - 0s 85ms/step
>8978, dr[0.690,0.645], df[0.678,0.022], g[0.934,0.030]
1/1 [=====] - 0s 79ms/step
>8979, dr[0.598,0.475], df[0.619,0.013], g[0.820,0.035]
1/1 [=====] - 0s 85ms/step
>8980, dr[0.615,0.721], df[0.691,0.031], g[0.909,0.034]
1/1 [=====] - 0s 86ms/step
>8981, dr[0.684,0.271], df[0.678,0.013], g[0.973,0.078]
1/1 [=====] - 0s 87ms/step
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>8982, dr[0.782,0.399], df[0.666,0.073], g[0.864,0.025]
1/1 [=====] - 0s 83ms/step
>8983, dr[0.673,0.200], df[0.554,0.022], g[0.926,0.021]
1/1 [=====] - 0s 79ms/step
>8984, dr[0.797,0.354], df[0.667,0.015], g[0.811,0.041]
1/1 [=====] - 0s 104ms/step
>8985, dr[0.707,0.460], df[0.728,0.059], g[0.797,0.024]
1/1 [=====] - 0s 100ms/step
>8986, dr[0.709,0.608], df[0.770,0.022], g[0.795,0.025]
1/1 [=====] - 0s 108ms/step
>8987, dr[0.655,0.362], df[0.798,0.013], g[0.842,0.019]
1/1 [=====] - 0s 90ms/step
>8988, dr[0.684,0.430], df[0.719,0.030], g[0.910,0.020]
1/1 [=====] - 0s 80ms/step
>8989, dr[0.760,0.500], df[0.775,0.023], g[0.786,0.085]
1/1 [=====] - 0s 88ms/step
>8990, dr[0.641,0.431], df[0.720,0.018], g[0.941,0.037]
1/1 [=====] - 0s 81ms/step
>8991, dr[0.748,0.319], df[0.695,0.021], g[0.920,0.026]
1/1 [=====] - 0s 80ms/step
>8992, dr[0.729,0.776], df[0.788,0.057], g[1.035,0.020]
1/1 [=====] - 0s 84ms/step
>8993, dr[0.692,0.437], df[0.643,0.027], g[0.890,0.048]
1/1 [=====] - 0s 82ms/step
>8994, dr[0.674,0.358], df[0.688,0.017], g[0.784,0.024]
1/1 [=====] - 0s 80ms/step
>8995, dr[0.758,0.504], df[0.734,0.060], g[0.796,0.030]
1/1 [=====] - 0s 84ms/step
>8996, dr[0.624,0.793], df[0.752,0.016], g[0.819,0.016]
1/1 [=====] - 0s 84ms/step
>8997, dr[0.701,0.525], df[0.727,0.040], g[0.915,0.028]
1/1 [=====] - 0s 80ms/step
>8998, dr[0.692,0.979], df[0.874,0.055], g[0.905,0.075]
1/1 [=====] - 0s 79ms/step
>8999, dr[0.581,0.183], df[0.673,0.025], g[0.834,0.031]
1/1 [=====] - 0s 83ms/step
>9000, dr[0.728,0.547], df[0.684,0.060], g[0.954,0.039]
1/1 [=====] - 0s 104ms/step
>9001, dr[0.711,0.412], df[0.718,0.059], g[0.858,0.030]
1/1 [=====] - 0s 84ms/step
>9002, dr[0.721,0.628], df[0.710,0.075], g[0.883,0.032]
1/1 [=====] - 0s 86ms/step
>9003, dr[0.743,0.749], df[0.654,0.018], g[0.917,0.020]
1/1 [=====] - 0s 86ms/step
>9004, dr[0.612,0.235], df[0.712,0.013], g[0.948,0.047]
1/1 [=====] - 0s 82ms/step
>9005, dr[0.682,0.268], df[0.709,0.036], g[0.834,0.033]
1/1 [=====] - 0s 84ms/step
>9006, dr[0.672,0.644], df[0.650,0.035], g[0.868,0.020]
1/1 [=====] - 0s 83ms/step
>9007, dr[0.629,0.344], df[0.707,0.013], g[0.765,0.037]
1/1 [=====] - 0s 79ms/step
>9008, dr[0.749,0.366], df[0.670,0.046], g[0.833,0.026]
1/1 [=====] - 0s 78ms/step
>9009, dr[0.616,0.445], df[0.721,0.020], g[0.905,0.067]
1/1 [=====] - 0s 87ms/step
>9010, dr[0.663,0.711], df[0.660,0.012], g[0.840,0.044]
1/1 [=====] - 0s 79ms/step
>9011, dr[0.693,0.557], df[0.697,0.024], g[0.935,0.042]
1/1 [=====] - 0s 87ms/step
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>9012, dr[0.599,0.221], df[0.709,0.028], g[0.857,0.035]
1/1 [=====] - 0s 81ms/step
>9013, dr[0.719,0.640], df[0.665,0.051], g[0.911,0.022]
1/1 [=====] - 0s 78ms/step
>9014, dr[0.635,0.659], df[0.723,0.088], g[0.981,0.037]
1/1 [=====] - 0s 86ms/step
>9015, dr[0.781,0.580], df[0.733,0.039], g[0.891,0.027]
1/1 [=====] - 0s 84ms/step
>9016, dr[0.683,0.538], df[0.603,0.015], g[0.786,0.045]
1/1 [=====] - 0s 88ms/step
>9017, dr[0.655,0.488], df[0.743,0.056], g[0.878,0.038]
1/1 [=====] - 0s 90ms/step
>9018, dr[0.864,0.650], df[0.784,0.015], g[0.836,0.025]
1/1 [=====] - 0s 87ms/step
>9019, dr[0.813,0.446], df[0.778,0.015], g[0.815,0.042]
1/1 [=====] - 0s 89ms/step
>9020, dr[0.631,0.460], df[0.668,0.022], g[0.763,0.024]
1/1 [=====] - 0s 104ms/step
>9021, dr[0.540,0.376], df[0.819,0.046], g[0.898,0.035]
1/1 [=====] - 0s 90ms/step
>9022, dr[0.877,0.442], df[0.669,0.027], g[0.885,0.049]
1/1 [=====] - 0s 102ms/step
>9023, dr[0.760,0.383], df[0.775,0.037], g[0.843,0.027]
1/1 [=====] - 0s 92ms/step
>9024, dr[0.651,0.715], df[0.719,0.032], g[0.875,0.054]
1/1 [=====] - 0s 87ms/step
>9025, dr[0.813,0.776], df[0.887,0.048], g[0.849,0.050]
1/1 [=====] - 0s 81ms/step
>9026, dr[0.740,0.119], df[0.758,0.025], g[0.863,0.051]
1/1 [=====] - 0s 80ms/step
>9027, dr[0.719,0.663], df[0.716,0.051], g[0.860,0.039]
1/1 [=====] - 0s 94ms/step
>9028, dr[0.706,0.295], df[0.740,0.026], g[0.819,0.038]
1/1 [=====] - 0s 84ms/step
>9029, dr[0.800,0.794], df[0.696,0.050], g[0.854,0.046]
1/1 [=====] - 0s 85ms/step
>9030, dr[0.663,0.453], df[0.686,0.020], g[0.783,0.043]
1/1 [=====] - 0s 78ms/step
>9031, dr[0.816,0.502], df[0.649,0.041], g[0.827,0.027]
1/1 [=====] - 0s 78ms/step
>9032, dr[0.620,0.495], df[0.797,0.030], g[0.798,0.044]
1/1 [=====] - 0s 85ms/step
>9033, dr[0.686,0.623], df[0.573,0.064], g[0.785,0.042]
1/1 [=====] - 0s 78ms/step
>9034, dr[0.683,0.564], df[0.769,0.033], g[0.774,0.027]
1/1 [=====] - 0s 79ms/step
>9035, dr[0.720,0.437], df[0.634,0.016], g[0.821,0.036]
1/1 [=====] - 0s 86ms/step
>9036, dr[0.624,0.243], df[0.741,0.016], g[0.790,0.040]
1/1 [=====] - 0s 81ms/step
>9037, dr[0.702,0.541], df[0.689,0.030], g[0.896,0.030]
1/1 [=====] - 0s 88ms/step
>9038, dr[0.659,0.492], df[0.629,0.024], g[0.789,0.048]
1/1 [=====] - 0s 79ms/step
>9039, dr[0.645,0.310], df[0.686,0.062], g[0.878,0.029]
1/1 [=====] - 0s 77ms/step
>9040, dr[0.630,0.547], df[0.650,0.043], g[0.801,0.033]
1/1 [=====] - 0s 83ms/step
>9041, dr[0.640,0.326], df[0.689,0.033], g[0.814,0.058]
1/1 [=====] - 0s 78ms/step
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>9042, dr[0.621,0.161], df[0.777,0.033], g[0.869,0.024]
1/1 [=====] - 0s 80ms/step
>9043, dr[0.586,0.274], df[0.655,0.053], g[0.865,0.021]
1/1 [=====] - 0s 85ms/step
>9044, dr[0.759,1.030], df[0.637,0.043], g[0.867,0.065]
1/1 [=====] - 0s 91ms/step
>9045, dr[0.810,0.415], df[0.693,0.015], g[0.915,0.051]
1/1 [=====] - 0s 99ms/step
>9046, dr[0.735,0.584], df[0.686,0.031], g[0.856,0.031]
1/1 [=====] - 0s 80ms/step
>9047, dr[0.730,0.407], df[0.753,0.061], g[0.870,0.018]
1/1 [=====] - 0s 77ms/step
>9048, dr[0.624,0.284], df[0.691,0.022], g[0.868,0.068]
1/1 [=====] - 0s 83ms/step
>9049, dr[0.591,0.765], df[0.662,0.044], g[0.998,0.020]
1/1 [=====] - 0s 79ms/step
>9050, dr[0.737,0.471], df[0.711,0.061], g[0.879,0.041]
1/1 [=====] - 0s 78ms/step
>9051, dr[0.666,0.270], df[0.671,0.026], g[0.917,0.030]
1/1 [=====] - 0s 78ms/step
>9052, dr[0.708,0.362], df[0.717,0.026], g[0.945,0.045]
1/1 [=====] - 0s 86ms/step
>9053, dr[0.706,0.404], df[0.653,0.043], g[0.807,0.043]
1/1 [=====] - 0s 84ms/step
>9054, dr[0.630,0.481], df[0.651,0.023], g[0.783,0.047]
1/1 [=====] - 0s 78ms/step
>9055, dr[0.663,0.656], df[0.576,0.016], g[0.846,0.027]
1/1 [=====] - 0s 79ms/step
>9056, dr[0.688,0.354], df[0.664,0.034], g[0.812,0.048]
1/1 [=====] - 0s 90ms/step
>9057, dr[0.672,0.406], df[0.767,0.042], g[0.873,0.037]
1/1 [=====] - 0s 79ms/step
>9058, dr[0.574,0.478], df[0.786,0.041], g[0.840,0.027]
1/1 [=====] - 0s 81ms/step
>9059, dr[0.762,0.489], df[0.718,0.047], g[0.834,0.023]
1/1 [=====] - 0s 80ms/step
>9060, dr[0.776,0.344], df[0.668,0.013], g[0.883,0.050]
1/1 [=====] - 0s 86ms/step
>9061, dr[0.681,0.454], df[0.677,0.026], g[0.816,0.030]
1/1 [=====] - 0s 91ms/step
>9062, dr[0.589,0.280], df[0.622,0.065], g[0.808,0.051]
1/1 [=====] - 0s 78ms/step
>9063, dr[0.655,0.258], df[0.725,0.025], g[0.799,0.030]
1/1 [=====] - 0s 77ms/step
>9064, dr[0.755,0.463], df[0.827,0.032], g[0.816,0.081]
1/1 [=====] - 0s 81ms/step
>9065, dr[0.673,0.677], df[0.662,0.029], g[0.843,0.056]
1/1 [=====] - 0s 78ms/step
>9066, dr[0.688,0.438], df[0.716,0.149], g[0.844,0.024]
1/1 [=====] - 0s 89ms/step
>9067, dr[0.685,0.370], df[0.724,0.078], g[0.871,0.023]
1/1 [=====] - 0s 82ms/step
>9068, dr[0.639,0.387], df[0.633,0.048], g[0.876,0.068]
1/1 [=====] - 0s 81ms/step
>9069, dr[0.670,0.283], df[0.710,0.030], g[0.843,0.021]
1/1 [=====] - 0s 85ms/step
>9070, dr[0.639,0.367], df[0.787,0.033], g[0.875,0.031]
1/1 [=====] - 0s 78ms/step
>9071, dr[0.736,0.416], df[0.789,0.029], g[0.916,0.023]
1/1 [=====] - 0s 87ms/step
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>9072, dr[0.730,0.681], df[0.671,0.023], g[0.872,0.033]
1/1 [=====] - 0s 81ms/step
>9073, dr[0.666,0.697], df[0.771,0.029], g[0.932,0.020]
1/1 [=====] - 0s 83ms/step
>9074, dr[0.747,0.149], df[0.797,0.041], g[0.835,0.025]
1/1 [=====] - 0s 84ms/step
>9075, dr[0.696,0.452], df[0.670,0.038], g[0.934,0.016]
1/1 [=====] - 0s 84ms/step
>9076, dr[0.639,0.364], df[0.712,0.022], g[0.913,0.029]
1/1 [=====] - 0s 89ms/step
>9077, dr[0.763,0.632], df[0.682,0.028], g[0.929,0.040]
1/1 [=====] - 0s 85ms/step
>9078, dr[0.831,0.423], df[0.619,0.021], g[0.813,0.045]
1/1 [=====] - 0s 84ms/step
>9079, dr[0.776,0.322], df[0.741,0.014], g[0.856,0.025]
1/1 [=====] - 0s 87ms/step
>9080, dr[0.763,0.509], df[0.768,0.015], g[0.890,0.033]
1/1 [=====] - 0s 91ms/step
>9081, dr[0.735,0.635], df[0.765,0.045], g[0.863,0.036]
1/1 [=====] - 0s 83ms/step
>9082, dr[0.676,0.689], df[0.864,0.012], g[0.895,0.032]
1/1 [=====] - 0s 87ms/step
>9083, dr[0.604,0.526], df[0.825,0.102], g[0.870,0.018]
1/1 [=====] - 0s 85ms/step
>9084, dr[0.745,0.517], df[0.594,0.027], g[0.818,0.028]
1/1 [=====] - 0s 81ms/step
>9085, dr[0.671,0.348], df[0.710,0.053], g[0.850,0.017]
1/1 [=====] - 0s 91ms/step
>9086, dr[0.610,0.497], df[0.725,0.049], g[0.785,0.026]
1/1 [=====] - 0s 83ms/step
>9087, dr[0.730,0.537], df[0.739,0.012], g[0.844,0.030]
1/1 [=====] - 0s 79ms/step
>9088, dr[0.688,0.446], df[0.672,0.050], g[0.876,0.021]
1/1 [=====] - 0s 86ms/step
>9089, dr[0.594,0.312], df[0.589,0.026], g[0.831,0.034]
1/1 [=====] - 0s 81ms/step
>9090, dr[0.702,0.610], df[0.674,0.025], g[0.908,0.052]
1/1 [=====] - 0s 85ms/step
>9091, dr[0.664,0.508], df[0.810,0.049], g[0.819,0.053]
1/1 [=====] - 0s 82ms/step
>9092, dr[0.650,0.408], df[0.693,0.023], g[0.873,0.064]
1/1 [=====] - 0s 83ms/step
>9093, dr[0.691,0.747], df[0.757,0.030], g[0.854,0.024]
1/1 [=====] - 0s 100ms/step
>9094, dr[0.701,0.548], df[0.707,0.022], g[0.746,0.027]
1/1 [=====] - 0s 84ms/step
>9095, dr[0.643,0.561], df[0.691,0.034], g[0.953,0.048]
1/1 [=====] - 0s 81ms/step
>9096, dr[0.716,0.561], df[0.651,0.014], g[0.887,0.024]
1/1 [=====] - 0s 83ms/step
>9097, dr[0.745,0.439], df[0.662,0.015], g[0.734,0.033]
1/1 [=====] - 0s 79ms/step
>9098, dr[0.653,0.194], df[0.817,0.030], g[0.790,0.034]
1/1 [=====] - 0s 81ms/step
>9099, dr[0.626,0.637], df[0.674,0.011], g[0.904,0.116]
1/1 [=====] - 0s 78ms/step
>9100, dr[0.706,0.695], df[0.720,0.034], g[0.896,0.043]
1/1 [=====] - 0s 81ms/step
>9101, dr[0.722,0.755], df[0.771,0.025], g[0.895,0.029]
1/1 [=====] - 0s 89ms/step
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>9102, dr[0.591,0.290], df[0.709,0.016], g[0.914,0.045]
1/1 [=====] - 0s 87ms/step
>9103, dr[0.791,0.367], df[0.701,0.038], g[0.922,0.034]
1/1 [=====] - 0s 77ms/step
>9104, dr[0.778,0.957], df[0.748,0.044], g[0.868,0.052]
1/1 [=====] - 0s 82ms/step
>9105, dr[0.737,0.314], df[0.782,0.038], g[0.872,0.041]
1/1 [=====] - 0s 83ms/step
>9106, dr[0.682,0.268], df[0.687,0.056], g[1.052,0.108]
1/1 [=====] - 0s 87ms/step
>9107, dr[0.647,0.243], df[0.813,0.027], g[0.892,0.085]
1/1 [=====] - 0s 79ms/step
>9108, dr[0.705,0.689], df[0.645,0.064], g[0.873,0.017]
1/1 [=====] - 0s 82ms/step
>9109, dr[0.643,0.591], df[0.641,0.080], g[0.823,0.020]
1/1 [=====] - 0s 84ms/step
>9110, dr[0.738,0.163], df[0.742,0.037], g[0.859,0.042]
1/1 [=====] - 0s 85ms/step
>9111, dr[0.633,0.525], df[0.738,0.009], g[0.853,0.051]
1/1 [=====] - 0s 78ms/step
>9112, dr[0.688,0.376], df[0.574,0.037], g[0.873,0.027]
1/1 [=====] - 0s 85ms/step
>9113, dr[0.644,0.331], df[0.727,0.018], g[0.909,0.026]
1/1 [=====] - 0s 88ms/step
>9114, dr[0.524,0.410], df[0.689,0.043], g[0.990,0.043]
1/1 [=====] - 0s 81ms/step
>9115, dr[0.698,0.710], df[0.667,0.032], g[0.865,0.031]
1/1 [=====] - 0s 79ms/step
>9116, dr[0.792,0.595], df[0.567,0.043], g[0.814,0.069]
1/1 [=====] - 0s 82ms/step
>9117, dr[0.672,0.459], df[0.710,0.048], g[0.784,0.056]
1/1 [=====] - 0s 84ms/step
>9118, dr[0.570,0.370], df[0.773,0.057], g[0.878,0.022]
1/1 [=====] - 0s 82ms/step
>9119, dr[0.663,0.685], df[0.703,0.051], g[0.845,0.036]
1/1 [=====] - 0s 81ms/step
>9120, dr[0.610,0.236], df[0.660,0.030], g[0.957,0.038]
1/1 [=====] - 0s 78ms/step
>9121, dr[0.708,0.528], df[0.585,0.013], g[0.854,0.039]
1/1 [=====] - 0s 80ms/step
>9122, dr[0.595,0.305], df[0.638,0.012], g[0.865,0.028]
1/1 [=====] - 0s 86ms/step
>9123, dr[0.709,0.135], df[0.653,0.037], g[0.823,0.019]
1/1 [=====] - 0s 78ms/step
>9124, dr[0.713,0.320], df[0.671,0.030], g[0.823,0.045]
1/1 [=====] - 0s 79ms/step
>9125, dr[0.692,0.603], df[0.594,0.013], g[0.825,0.054]
1/1 [=====] - 0s 89ms/step
>9126, dr[0.592,0.517], df[0.773,0.017], g[0.797,0.043]
1/1 [=====] - 0s 83ms/step
>9127, dr[0.632,0.331], df[0.768,0.051], g[0.816,0.060]
1/1 [=====] - 0s 79ms/step
>9128, dr[0.646,0.407], df[0.703,0.069], g[0.912,0.042]
1/1 [=====] - 0s 77ms/step
>9129, dr[0.727,0.374], df[0.698,0.060], g[0.890,0.035]
1/1 [=====] - 0s 80ms/step
>9130, dr[0.723,0.161], df[0.715,0.028], g[0.821,0.047]
1/1 [=====] - 0s 86ms/step
>9131, dr[0.761,0.352], df[0.649,0.012], g[0.916,0.022]
1/1 [=====] - 0s 79ms/step
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>9132, dr[0.639,0.488], df[0.827,0.034], g[0.853,0.026]
1/1 [=====] - 0s 87ms/step
>9133, dr[0.633,0.838], df[0.756,0.023], g[0.866,0.047]
1/1 [=====] - 0s 85ms/step
>9134, dr[0.841,0.252], df[0.773,0.021], g[0.874,0.028]
1/1 [=====] - 0s 81ms/step
>9135, dr[0.684,0.438], df[0.691,0.027], g[0.823,0.028]
1/1 [=====] - 0s 89ms/step
>9136, dr[0.607,0.367], df[0.580,0.026], g[0.911,0.033]
1/1 [=====] - 0s 80ms/step
>9137, dr[0.734,0.469], df[0.729,0.014], g[0.887,0.021]
1/1 [=====] - 0s 82ms/step
>9138, dr[0.632,0.565], df[0.713,0.021], g[0.893,0.018]
1/1 [=====] - 0s 87ms/step
>9139, dr[0.659,0.467], df[0.689,0.039], g[0.897,0.017]
1/1 [=====] - 0s 82ms/step
>9140, dr[0.653,0.101], df[0.698,0.028], g[0.901,0.081]
1/1 [=====] - 0s 82ms/step
>9141, dr[0.668,0.598], df[0.689,0.023], g[0.884,0.030]
1/1 [=====] - 0s 86ms/step
>9142, dr[0.742,0.516], df[0.636,0.035], g[0.863,0.024]
1/1 [=====] - 0s 81ms/step
>9143, dr[0.659,0.424], df[0.672,0.029], g[0.789,0.045]
1/1 [=====] - 0s 81ms/step
>9144, dr[0.651,0.334], df[0.690,0.033], g[0.866,0.028]
1/1 [=====] - 0s 79ms/step
>9145, dr[0.558,0.494], df[0.687,0.021], g[0.956,0.032]
1/1 [=====] - 0s 78ms/step
>9146, dr[0.698,0.436], df[0.704,0.028], g[0.772,0.032]
1/1 [=====] - 0s 86ms/step
>9147, dr[0.675,0.475], df[0.687,0.041], g[0.826,0.035]
1/1 [=====] - 0s 82ms/step
>9148, dr[0.768,0.403], df[0.667,0.043], g[0.916,0.026]
1/1 [=====] - 0s 83ms/step
>9149, dr[0.613,0.368], df[0.788,0.022], g[0.800,0.032]
1/1 [=====] - 0s 95ms/step
>9150, dr[0.715,0.396], df[0.573,0.034], g[0.864,0.037]
1/1 [=====] - 0s 83ms/step
>9151, dr[0.721,0.645], df[0.580,0.018], g[0.872,0.032]
1/1 [=====] - 0s 83ms/step
>9152, dr[0.629,0.607], df[0.795,0.026], g[0.800,0.050]
1/1 [=====] - 0s 83ms/step
>9153, dr[0.638,0.644], df[0.792,0.043], g[0.871,0.038]
1/1 [=====] - 0s 79ms/step
>9154, dr[0.789,0.663], df[0.613,0.023], g[0.853,0.027]
1/1 [=====] - 0s 92ms/step
>9155, dr[0.683,0.606], df[0.674,0.035], g[0.839,0.099]
1/1 [=====] - 0s 79ms/step
>9156, dr[0.631,0.822], df[0.657,0.014], g[0.879,0.051]
1/1 [=====] - 0s 83ms/step
>9157, dr[0.546,0.223], df[0.773,0.062], g[0.906,0.073]
1/1 [=====] - 0s 91ms/step
>9158, dr[0.683,0.209], df[0.643,0.021], g[0.860,0.030]
1/1 [=====] - 0s 88ms/step
>9159, dr[0.729,0.746], df[0.686,0.026], g[0.896,0.076]
1/1 [=====] - 0s 77ms/step
>9160, dr[0.764,0.382], df[0.761,0.072], g[0.800,0.030]
1/1 [=====] - 0s 86ms/step
>9161, dr[0.620,0.429], df[0.725,0.011], g[0.844,0.036]
1/1 [=====] - 0s 79ms/step
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>9162, dr[0.662,0.437], df[0.747,0.040], g[0.843,0.028]
1/1 [=====] - 0s 81ms/step
>9163, dr[0.673,0.497], df[0.756,0.034], g[0.922,0.014]
1/1 [=====] - 0s 78ms/step
>9164, dr[0.775,0.412], df[0.711,0.028], g[0.882,0.030]
1/1 [=====] - 0s 81ms/step
>9165, dr[0.615,0.293], df[0.791,0.013], g[0.902,0.018]
1/1 [=====] - 0s 86ms/step
>9166, dr[0.665,0.350], df[0.575,0.049], g[0.946,0.038]
1/1 [=====] - 0s 84ms/step
>9167, dr[0.686,0.680], df[0.721,0.025], g[0.879,0.034]
1/1 [=====] - 0s 79ms/step
>9168, dr[0.765,0.658], df[0.690,0.024], g[0.825,0.022]
1/1 [=====] - 0s 89ms/step
>9169, dr[0.801,0.147], df[0.679,0.027], g[0.879,0.040]
1/1 [=====] - 0s 78ms/step
>9170, dr[0.688,0.846], df[0.641,0.046], g[0.896,0.046]
1/1 [=====] - 0s 96ms/step
>9171, dr[0.710,0.253], df[0.747,0.014], g[0.872,0.049]
1/1 [=====] - 0s 90ms/step
>9172, dr[0.617,0.544], df[0.700,0.040], g[0.889,0.044]
1/1 [=====] - 0s 89ms/step
>9173, dr[0.672,0.449], df[0.712,0.015], g[0.788,0.028]
1/1 [=====] - 0s 78ms/step
>9174, dr[0.758,0.570], df[0.654,0.013], g[0.818,0.024]
1/1 [=====] - 0s 82ms/step
>9175, dr[0.650,0.412], df[0.642,0.056], g[0.828,0.053]
1/1 [=====] - 0s 85ms/step
>9176, dr[0.640,0.823], df[0.810,0.017], g[0.802,0.041]
1/1 [=====] - 0s 92ms/step
>9177, dr[0.621,0.342], df[0.648,0.015], g[0.903,0.036]
1/1 [=====] - 0s 79ms/step
>9178, dr[0.757,0.259], df[0.696,0.015], g[0.784,0.030]
1/1 [=====] - 0s 81ms/step
>9179, dr[0.641,0.443], df[0.666,0.058], g[0.880,0.039]
1/1 [=====] - 0s 86ms/step
>9180, dr[0.648,0.634], df[0.707,0.027], g[0.857,0.033]
1/1 [=====] - 0s 79ms/step
>9181, dr[0.784,0.588], df[0.639,0.013], g[0.870,0.061]
1/1 [=====] - 0s 80ms/step
>9182, dr[0.661,0.520], df[0.637,0.059], g[0.954,0.032]
1/1 [=====] - 0s 81ms/step
>9183, dr[0.645,0.237], df[0.620,0.018], g[0.910,0.036]
1/1 [=====] - 0s 89ms/step
>9184, dr[0.626,0.235], df[0.669,0.059], g[0.841,0.041]
1/1 [=====] - 0s 83ms/step
>9185, dr[0.604,0.536], df[0.710,0.035], g[0.884,0.028]
1/1 [=====] - 0s 80ms/step
>9186, dr[0.757,0.316], df[0.632,0.008], g[0.976,0.029]
1/1 [=====] - 0s 81ms/step
>9187, dr[0.701,0.565], df[0.617,0.023], g[0.713,0.065]
1/1 [=====] - 0s 88ms/step
>9188, dr[0.618,0.568], df[0.752,0.028], g[0.901,0.025]
1/1 [=====] - 0s 82ms/step
>9189, dr[0.615,0.687], df[0.752,0.045], g[0.776,0.044]
1/1 [=====] - 0s 83ms/step
>9190, dr[0.711,0.547], df[0.707,0.024], g[0.823,0.119]
1/1 [=====] - 0s 85ms/step
>9191, dr[0.722,0.517], df[0.647,0.063], g[0.803,0.047]
1/1 [=====] - 0s 87ms/step
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>9192, dr[0.735,0.362], df[0.797,0.079], g[0.841,0.023]
1/1 [=====] - 0s 81ms/step
>9193, dr[0.613,0.311], df[0.730,0.010], g[0.901,0.047]
1/1 [=====] - 0s 80ms/step
>9194, dr[0.628,0.326], df[0.655,0.017], g[0.916,0.030]
1/1 [=====] - 0s 81ms/step
>9195, dr[0.759,0.679], df[0.605,0.032], g[0.858,0.073]
1/1 [=====] - 0s 90ms/step
>9196, dr[0.608,0.344], df[0.736,0.028], g[0.850,0.031]
1/1 [=====] - 0s 81ms/step
>9197, dr[0.636,0.468], df[0.709,0.013], g[0.881,0.031]
1/1 [=====] - 0s 79ms/step
>9198, dr[0.616,0.494], df[0.702,0.025], g[0.910,0.025]
1/1 [=====] - 0s 84ms/step
>9199, dr[0.775,0.775], df[0.733,0.012], g[0.920,0.028]
1/1 [=====] - 0s 81ms/step
>9200, dr[0.669,0.434], df[0.617,0.025], g[0.879,0.041]
1/1 [=====] - 0s 99ms/step
>9201, dr[0.719,0.510], df[0.659,0.012], g[0.849,0.020]
1/1 [=====] - 0s 118ms/step
>9202, dr[0.747,0.400], df[0.806,0.034], g[0.826,0.025]
1/1 [=====] - 0s 101ms/step
>9203, dr[0.705,0.365], df[0.849,0.031], g[0.870,0.020]
1/1 [=====] - 0s 98ms/step
>9204, dr[0.680,0.824], df[0.730,0.038], g[0.936,0.031]
1/1 [=====] - 0s 99ms/step
>9205, dr[0.715,0.286], df[0.641,0.017], g[0.949,0.032]
1/1 [=====] - 0s 109ms/step
>9206, dr[0.711,0.580], df[0.722,0.017], g[0.846,0.041]
1/1 [=====] - 0s 96ms/step
>9207, dr[0.679,0.310], df[0.722,0.026], g[0.861,0.027]
1/1 [=====] - 0s 99ms/step
>9208, dr[0.732,0.340], df[0.645,0.041], g[0.887,0.024]
1/1 [=====] - 0s 98ms/step
>9209, dr[0.742,0.676], df[0.625,0.034], g[0.801,0.033]
1/1 [=====] - 0s 111ms/step
>9210, dr[0.559,0.520], df[0.663,0.039], g[0.872,0.031]
1/1 [=====] - 0s 96ms/step
>9211, dr[0.622,0.360], df[0.677,0.044], g[0.919,0.054]
1/1 [=====] - 0s 101ms/step
>9212, dr[0.716,0.512], df[0.657,0.028], g[0.912,0.027]
1/1 [=====] - 0s 86ms/step
>9213, dr[0.762,0.754], df[0.681,0.036], g[0.862,0.035]
1/1 [=====] - 0s 86ms/step
>9214, dr[0.578,0.257], df[0.680,0.066], g[0.768,0.023]
1/1 [=====] - 0s 78ms/step
>9215, dr[0.676,0.525], df[0.620,0.023], g[0.857,0.023]
1/1 [=====] - 0s 81ms/step
>9216, dr[0.705,0.678], df[0.788,0.082], g[0.810,0.036]
1/1 [=====] - 0s 87ms/step
>9217, dr[0.626,0.668], df[0.711,0.056], g[0.890,0.046]
1/1 [=====] - 0s 79ms/step
>9218, dr[0.670,0.354], df[0.662,0.023], g[0.949,0.034]
1/1 [=====] - 0s 90ms/step
>9219, dr[0.725,0.610], df[0.763,0.027], g[0.879,0.053]
1/1 [=====] - 0s 78ms/step
>9220, dr[0.597,0.568], df[0.691,0.032], g[0.887,0.050]
1/1 [=====] - 0s 79ms/step
>9221, dr[0.747,1.069], df[0.747,0.017], g[0.938,0.047]
1/1 [=====] - 0s 80ms/step
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>9222, dr[0.753,0.584], df[0.702,0.036], g[0.872,0.027]
1/1 [=====] - 0s 79ms/step
>9223, dr[0.694,0.632], df[0.702,0.030], g[0.898,0.024]
1/1 [=====] - 0s 91ms/step
>9224, dr[0.698,0.368], df[0.661,0.035], g[0.732,0.027]
1/1 [=====] - 0s 82ms/step
>9225, dr[0.701,0.469], df[0.730,0.026], g[0.896,0.058]
1/1 [=====] - 0s 80ms/step
>9226, dr[0.624,0.403], df[0.706,0.043], g[0.786,0.040]
1/1 [=====] - 0s 88ms/step
>9227, dr[0.693,0.567], df[0.699,0.070], g[0.858,0.053]
1/1 [=====] - 0s 80ms/step
>9228, dr[0.677,0.438], df[0.659,0.022], g[0.893,0.021]
1/1 [=====] - 0s 83ms/step
>9229, dr[0.641,0.671], df[0.743,0.018], g[0.846,0.029]
1/1 [=====] - 0s 83ms/step
>9230, dr[0.735,0.328], df[0.732,0.051], g[0.773,0.021]
1/1 [=====] - 0s 84ms/step
>9231, dr[0.703,0.446], df[0.654,0.012], g[0.873,0.021]
1/1 [=====] - 0s 84ms/step
>9232, dr[0.684,0.668], df[0.741,0.036], g[0.819,0.032]
1/1 [=====] - 0s 81ms/step
>9233, dr[0.675,0.263], df[0.726,0.039], g[0.818,0.024]
1/1 [=====] - 0s 85ms/step
>9234, dr[0.712,0.279], df[0.730,0.021], g[0.793,0.037]
1/1 [=====] - 0s 86ms/step
>9235, dr[0.780,0.886], df[0.720,0.076], g[0.804,0.031]
1/1 [=====] - 0s 79ms/step
>9236, dr[0.671,0.594], df[0.694,0.015], g[0.818,0.030]
1/1 [=====] - 0s 78ms/step
>9237, dr[0.681,0.850], df[0.738,0.037], g[0.876,0.022]
1/1 [=====] - 0s 96ms/step
>9238, dr[0.697,0.526], df[0.781,0.016], g[0.852,0.021]
1/1 [=====] - 0s 79ms/step
>9239, dr[0.726,0.180], df[0.729,0.040], g[0.733,0.037]
1/1 [=====] - 0s 81ms/step
>9240, dr[0.739,1.096], df[0.804,0.025], g[0.813,0.037]
1/1 [=====] - 0s 83ms/step
>9241, dr[0.653,0.615], df[0.764,0.028], g[0.777,0.029]
1/1 [=====] - 0s 80ms/step
>9242, dr[0.697,0.395], df[0.655,0.017], g[0.864,0.040]
1/1 [=====] - 0s 84ms/step
>9243, dr[0.608,0.450], df[0.754,0.020], g[0.832,0.056]
1/1 [=====] - 0s 78ms/step
>9244, dr[0.786,0.804], df[0.714,0.026], g[0.850,0.043]
1/1 [=====] - 0s 78ms/step
>9245, dr[0.722,0.606], df[0.610,0.027], g[0.818,0.032]
1/1 [=====] - 0s 88ms/step
>9246, dr[0.779,0.450], df[0.709,0.032], g[0.874,0.074]
1/1 [=====] - 0s 79ms/step
>9247, dr[0.691,0.515], df[0.733,0.048], g[0.829,0.052]
1/1 [=====] - 0s 80ms/step
>9248, dr[0.740,0.475], df[0.704,0.046], g[0.811,0.023]
1/1 [=====] - 0s 81ms/step
>9249, dr[0.642,0.436], df[0.697,0.025], g[0.889,0.065]
1/1 [=====] - 0s 80ms/step
>9250, dr[0.749,0.495], df[0.705,0.021], g[0.856,0.028]
1/1 [=====] - 0s 87ms/step
>9251, dr[0.670,0.643], df[0.738,0.042], g[0.873,0.024]
1/1 [=====] - 0s 78ms/step
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>9252, dr[0.705,0.514], df[0.677,0.029], g[0.856,0.043]
1/1 [=====] - 0s 83ms/step
>9253, dr[0.628,0.535], df[0.684,0.075], g[0.922,0.057]
1/1 [=====] - 0s 86ms/step
>9254, dr[0.650,0.343], df[0.648,0.048], g[0.919,0.104]
1/1 [=====] - 0s 76ms/step
>9255, dr[0.732,0.331], df[0.780,0.057], g[0.863,0.030]
1/1 [=====] - 0s 79ms/step
>9256, dr[0.658,0.741], df[0.618,0.034], g[0.859,0.042]
1/1 [=====] - 0s 78ms/step
>9257, dr[0.680,0.379], df[0.735,0.031], g[0.902,0.043]
1/1 [=====] - 0s 85ms/step
>9258, dr[0.609,0.193], df[0.530,0.026], g[0.929,0.040]
1/1 [=====] - 0s 93ms/step
>9259, dr[0.668,0.342], df[0.683,0.039], g[0.930,0.032]
1/1 [=====] - 0s 82ms/step
>9260, dr[0.636,0.267], df[0.636,0.041], g[0.811,0.027]
1/1 [=====] - 0s 86ms/step
>9261, dr[0.696,0.604], df[0.683,0.071], g[0.967,0.025]
1/1 [=====] - 0s 88ms/step
>9262, dr[0.687,0.515], df[0.775,0.020], g[0.868,0.039]
1/1 [=====] - 0s 86ms/step
>9263, dr[0.707,0.275], df[0.665,0.035], g[0.862,0.027]
1/1 [=====] - 0s 87ms/step
>9264, dr[0.746,0.693], df[0.715,0.159], g[0.861,0.065]
1/1 [=====] - 0s 94ms/step
>9265, dr[0.567,0.265], df[0.727,0.037], g[0.861,0.023]
1/1 [=====] - 0s 82ms/step
>9266, dr[0.644,0.546], df[0.612,0.037], g[0.894,0.017]
1/1 [=====] - 0s 90ms/step
>9267, dr[0.692,0.479], df[0.720,0.030], g[0.843,0.024]
1/1 [=====] - 0s 94ms/step
>9268, dr[0.640,0.567], df[0.709,0.033], g[0.807,0.027]
1/1 [=====] - 0s 85ms/step
>9269, dr[0.824,0.831], df[0.729,0.045], g[0.913,0.039]
1/1 [=====] - 0s 86ms/step
>9270, dr[0.759,0.534], df[0.651,0.022], g[0.816,0.022]
1/1 [=====] - 0s 92ms/step
>9271, dr[0.707,0.246], df[0.666,0.030], g[0.764,0.032]
1/1 [=====] - 0s 85ms/step
>9272, dr[0.627,0.307], df[0.664,0.028], g[0.947,0.026]
1/1 [=====] - 0s 87ms/step
>9273, dr[0.733,0.570], df[0.708,0.031], g[0.784,0.083]
1/1 [=====] - 0s 82ms/step
>9274, dr[0.639,0.736], df[0.764,0.043], g[0.904,0.046]
1/1 [=====] - 0s 90ms/step
>9275, dr[0.720,0.462], df[0.694,0.028], g[0.871,0.039]
1/1 [=====] - 0s 108ms/step
>9276, dr[0.604,0.845], df[0.709,0.030], g[0.860,0.021]
1/1 [=====] - 0s 94ms/step
>9277, dr[0.741,0.384], df[0.837,0.041], g[0.747,0.026]
1/1 [=====] - 0s 78ms/step
>9278, dr[0.637,0.389], df[0.713,0.028], g[0.828,0.030]
1/1 [=====] - 0s 79ms/step
>9279, dr[0.754,0.382], df[0.682,0.011], g[0.789,0.037]
1/1 [=====] - 0s 84ms/step
>9280, dr[0.730,0.415], df[0.698,0.050], g[0.788,0.031]
1/1 [=====] - 0s 86ms/step
>9281, dr[0.669,0.362], df[0.661,0.058], g[0.810,0.066]
1/1 [=====] - 0s 78ms/step
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>9282, dr[0.656,0.320], df[0.682,0.040], g[0.819,0.035]
1/1 [=====] - 0s 81ms/step
>9283, dr[0.752,0.596], df[0.681,0.046], g[0.879,0.048]
1/1 [=====] - 0s 81ms/step
>9284, dr[0.581,0.379], df[0.867,0.017], g[0.833,0.024]
1/1 [=====] - 0s 82ms/step
>9285, dr[0.650,0.671], df[0.666,0.021], g[0.710,0.050]
1/1 [=====] - 0s 78ms/step
>9286, dr[0.659,0.763], df[0.699,0.021], g[0.855,0.036]
1/1 [=====] - 0s 78ms/step
>9287, dr[0.765,0.427], df[0.771,0.049], g[0.841,0.036]
1/1 [=====] - 0s 85ms/step
>9288, dr[0.704,0.556], df[0.741,0.029], g[0.831,0.029]
1/1 [=====] - 0s 78ms/step
>9289, dr[0.714,0.234], df[0.695,0.062], g[0.807,0.019]
1/1 [=====] - 0s 79ms/step
>9290, dr[0.753,0.703], df[0.722,0.037], g[0.833,0.055]
1/1 [=====] - 0s 82ms/step
>9291, dr[0.639,0.399], df[0.744,0.033], g[0.878,0.037]
1/1 [=====] - 0s 79ms/step
>9292, dr[0.634,0.652], df[0.691,0.020], g[0.914,0.025]
1/1 [=====] - 0s 100ms/step
>9293, dr[0.760,0.378], df[0.623,0.028], g[0.944,0.035]
1/1 [=====] - 0s 81ms/step
>9294, dr[0.737,0.372], df[0.829,0.018], g[0.915,0.029]
1/1 [=====] - 0s 79ms/step
>9295, dr[0.634,0.700], df[0.727,0.062], g[0.989,0.025]
1/1 [=====] - 0s 88ms/step
>9296, dr[0.681,0.375], df[0.550,0.030], g[0.877,0.079]
1/1 [=====] - 0s 79ms/step
>9297, dr[0.760,0.700], df[0.742,0.069], g[0.891,0.035]
1/1 [=====] - 0s 84ms/step
>9298, dr[0.554,0.533], df[0.690,0.045], g[1.003,0.019]
1/1 [=====] - 0s 79ms/step
>9299, dr[0.624,0.444], df[0.681,0.094], g[0.852,0.034]
1/1 [=====] - 0s 79ms/step
>9300, dr[0.710,0.453], df[0.613,0.040], g[0.866,0.032]
1/1 [=====] - 0s 84ms/step
>9301, dr[0.721,0.531], df[0.624,0.030], g[0.869,0.026]
1/1 [=====] - 0s 86ms/step
>9302, dr[0.602,0.845], df[0.669,0.017], g[0.868,0.049]
1/1 [=====] - 0s 80ms/step
>9303, dr[0.721,1.087], df[0.686,0.043], g[0.902,0.055]
1/1 [=====] - 0s 85ms/step
>9304, dr[0.642,0.644], df[0.729,0.047], g[0.849,0.061]
1/1 [=====] - 0s 80ms/step
>9305, dr[0.637,0.202], df[0.660,0.015], g[0.879,0.041]
1/1 [=====] - 0s 79ms/step
>9306, dr[0.715,0.494], df[0.704,0.034], g[0.886,0.034]
1/1 [=====] - 0s 79ms/step
>9307, dr[0.668,0.572], df[0.767,0.052], g[0.867,0.026]
1/1 [=====] - 0s 78ms/step
>9308, dr[0.652,0.410], df[0.698,0.024], g[0.866,0.075]
1/1 [=====] - 0s 85ms/step
>9309, dr[0.777,0.520], df[0.725,0.027], g[0.882,0.066]
1/1 [=====] - 0s 79ms/step
>9310, dr[0.780,0.441], df[0.641,0.025], g[0.909,0.031]
1/1 [=====] - 0s 78ms/step
>9311, dr[0.710,0.281], df[0.716,0.042], g[0.804,0.020]
1/1 [=====] - 0s 86ms/step
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>9312, dr[0.672,0.757], df[0.656,0.022], g[0.815,0.022]
1/1 [=====] - 0s 85ms/step
>9313, dr[0.691,0.382], df[0.647,0.073], g[0.879,0.033]
1/1 [=====] - 0s 84ms/step
>9314, dr[0.693,0.722], df[0.635,0.040], g[0.887,0.021]
1/1 [=====] - 0s 96ms/step
>9315, dr[0.635,0.369], df[0.635,0.022], g[0.883,0.022]
1/1 [=====] - 0s 78ms/step
>9316, dr[0.719,0.544], df[0.735,0.040], g[0.809,0.016]
1/1 [=====] - 0s 90ms/step
>9317, dr[0.691,0.467], df[0.646,0.043], g[0.849,0.034]
1/1 [=====] - 0s 93ms/step
>9318, dr[0.749,0.946], df[0.800,0.027], g[0.795,0.068]
1/1 [=====] - 0s 79ms/step
>9319, dr[0.676,0.497], df[0.760,0.026], g[0.794,0.036]
1/1 [=====] - 0s 81ms/step
>9320, dr[0.655,0.437], df[0.678,0.038], g[0.824,0.033]
1/1 [=====] - 0s 83ms/step
>9321, dr[0.682,0.559], df[0.672,0.030], g[0.905,0.029]
1/1 [=====] - 0s 88ms/step
>9322, dr[0.589,0.588], df[0.666,0.033], g[0.906,0.026]
1/1 [=====] - 0s 82ms/step
>9323, dr[0.641,0.737], df[0.681,0.033], g[0.864,0.030]
1/1 [=====] - 0s 78ms/step
>9324, dr[0.784,0.315], df[0.635,0.042], g[0.929,0.020]
1/1 [=====] - 0s 78ms/step
>9325, dr[0.682,0.359], df[0.733,0.061], g[0.760,0.015]
1/1 [=====] - 0s 85ms/step
>9326, dr[0.627,0.665], df[0.680,0.025], g[0.889,0.031]
1/1 [=====] - 0s 79ms/step
>9327, dr[0.746,0.567], df[0.613,0.015], g[0.839,0.025]
1/1 [=====] - 0s 79ms/step
>9328, dr[0.694,0.374], df[0.680,0.115], g[0.883,0.039]
1/1 [=====] - 0s 83ms/step
>9329, dr[0.602,0.297], df[0.756,0.024], g[0.925,0.059]
1/1 [=====] - 0s 87ms/step
>9330, dr[0.733,0.651], df[0.631,0.018], g[0.853,0.025]
1/1 [=====] - 0s 84ms/step
>9331, dr[0.877,0.785], df[0.639,0.017], g[0.768,0.036]
1/1 [=====] - 0s 82ms/step
>9332, dr[0.628,0.496], df[0.788,0.024], g[0.862,0.033]
1/1 [=====] - 0s 79ms/step
>9333, dr[0.632,0.402], df[0.723,0.060], g[0.791,0.052]
1/1 [=====] - 0s 84ms/step
>9334, dr[0.555,0.694], df[0.615,0.009], g[0.888,0.024]
1/1 [=====] - 0s 81ms/step
>9335, dr[0.722,0.507], df[0.661,0.022], g[0.882,0.028]
1/1 [=====] - 0s 79ms/step
>9336, dr[0.683,0.393], df[0.670,0.013], g[0.764,0.055]
1/1 [=====] - 0s 86ms/step
>9337, dr[0.679,1.241], df[0.703,0.019], g[0.886,0.045]
1/1 [=====] - 0s 82ms/step
>9338, dr[0.644,0.271], df[0.633,0.022], g[0.777,0.021]
1/1 [=====] - 0s 81ms/step
>9339, dr[0.635,0.610], df[0.779,0.029], g[0.862,0.021]
1/1 [=====] - 0s 79ms/step
>9340, dr[0.603,0.150], df[0.723,0.064], g[0.940,0.058]
1/1 [=====] - 0s 80ms/step
>9341, dr[0.702,0.420], df[0.658,0.029], g[0.820,0.041]
1/1 [=====] - 0s 98ms/step
```

```

>9342, dr[0.717,0.299], df[0.632,0.027], g[0.828,0.041]
1/1 [=====] - 0s 79ms/step
>9343, dr[0.643,0.317], df[0.688,0.032], g[0.804,0.021]
1/1 [=====] - 0s 81ms/step
>9344, dr[0.677,0.390], df[0.678,0.031], g[0.876,0.023]
1/1 [=====] - 0s 82ms/step
>9345, dr[0.687,0.370], df[0.731,0.019], g[0.839,0.026]
1/1 [=====] - 0s 84ms/step
>9346, dr[0.666,0.463], df[0.704,0.034], g[0.905,0.035]
1/1 [=====] - 0s 91ms/step
>9347, dr[0.750,0.859], df[0.745,0.027], g[0.908,0.016]
1/1 [=====] - 0s 80ms/step
>9348, dr[0.607,0.645], df[0.611,0.046], g[0.856,0.037]
1/1 [=====] - 0s 80ms/step
>9349, dr[0.563,0.759], df[0.695,0.072], g[0.840,0.034]
1/1 [=====] - 0s 87ms/step
>9350, dr[0.820,0.441], df[0.673,0.017], g[0.820,0.044]
1/1 [=====] - 0s 78ms/step
>9351, dr[0.624,0.454], df[0.751,0.032], g[0.793,0.047]
1/1 [=====] - 0s 80ms/step
>9352, dr[0.650,0.372], df[0.661,0.044], g[0.902,0.037]
1/1 [=====] - 0s 83ms/step
>9353, dr[0.575,0.485], df[0.699,0.052], g[0.956,0.046]
1/1 [=====] - 0s 84ms/step
>9354, dr[0.686,0.376], df[0.715,0.110], g[0.849,0.041]
1/1 [=====] - 0s 82ms/step
>9355, dr[0.775,0.342], df[0.713,0.017], g[0.798,0.016]
1/1 [=====] - 0s 79ms/step
>9356, dr[0.678,0.582], df[0.734,0.023], g[0.911,0.019]
1/1 [=====] - 0s 81ms/step
>9357, dr[0.740,0.125], df[0.730,0.035], g[0.879,0.025]
1/1 [=====] - 0s 88ms/step
>9358, dr[0.639,0.607], df[0.741,0.024], g[0.961,0.020]
1/1 [=====] - 0s 85ms/step
>9359, dr[0.756,0.454], df[0.727,0.034], g[0.897,0.045]
1/1 [=====] - 0s 80ms/step
>9360, dr[0.804,0.735], df[0.723,0.018], g[0.863,0.016]
1/1 [=====] - 0s 84ms/step
>9361, dr[0.624,0.697], df[0.572,0.035], g[0.836,0.053]
1/1 [=====] - 0s 82ms/step
>9362, dr[0.694,0.802], df[0.779,0.040], g[0.835,0.031]
1/1 [=====] - 0s 81ms/step
>9363, dr[0.636,0.494], df[0.654,0.016], g[0.885,0.041]
1/1 [=====] - 0s 79ms/step
>9364, dr[0.675,0.404], df[0.744,0.059], g[0.811,0.030]
1/1 [=====] - 0s 79ms/step
>9365, dr[0.653,0.517], df[0.741,0.035], g[0.795,0.021]
1/1 [=====] - 0s 86ms/step
>9366, dr[0.703,0.463], df[0.759,0.018], g[0.904,0.058]
1/1 [=====] - 0s 80ms/step
>9367, dr[0.679,0.608], df[0.744,0.025], g[0.852,0.029]
1/1 [=====] - 0s 78ms/step
>9368, dr[0.685,0.482], df[0.721,0.041], g[0.866,0.025]
1/1 [=====] - 0s 85ms/step
>9369, dr[0.653,0.752], df[0.613,0.026], g[0.860,0.033]
1/1 [=====] - 0s 79ms/step
>9370, dr[0.657,0.698], df[0.681,0.031], g[0.917,0.039]
4/4 [=====] - 0s 52ms/step

```

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be built. `model.compile_metrics` will be empty until you train or evaluate the model.

```
>Saved: generated_plot_9370.png and model_9370.h5
1/1 [=====] - 0s 89ms/step
>9371, dr[0.763,0.326], df[0.678,0.026], g[0.868,0.050]
1/1 [=====] - 0s 85ms/step
>9372, dr[0.723,0.367], df[0.733,0.046], g[0.827,0.035]
1/1 [=====] - 0s 82ms/step
>9373, dr[0.708,0.505], df[0.777,0.050], g[0.853,0.053]
1/1 [=====] - 0s 100ms/step
>9374, dr[0.692,0.432], df[0.683,0.035], g[0.865,0.031]
1/1 [=====] - 0s 119ms/step
>9375, dr[0.657,0.263], df[0.762,0.053], g[0.863,0.046]
1/1 [=====] - 0s 88ms/step
>9376, dr[0.657,0.456], df[0.648,0.026], g[0.764,0.026]
1/1 [=====] - 0s 89ms/step
>9377, dr[0.661,0.454], df[0.710,0.046], g[0.762,0.043]
1/1 [=====] - 0s 84ms/step
>9378, dr[0.743,0.656], df[0.680,0.034], g[0.802,0.039]
1/1 [=====] - 0s 86ms/step
>9379, dr[0.659,0.704], df[0.747,0.034], g[0.801,0.026]
1/1 [=====] - 0s 89ms/step
>9380, dr[0.676,0.391], df[0.541,0.086], g[0.781,0.055]
1/1 [=====] - 0s 80ms/step
>9381, dr[0.589,0.593], df[0.732,0.032], g[0.925,0.043]
1/1 [=====] - 0s 80ms/step
>9382, dr[0.629,0.385], df[0.654,0.020], g[0.845,0.060]
1/1 [=====] - 0s 83ms/step
>9383, dr[0.601,0.433], df[0.629,0.025], g[0.847,0.097]
1/1 [=====] - 0s 84ms/step
>9384, dr[0.713,0.609], df[0.561,0.041], g[0.777,0.029]
1/1 [=====] - 0s 84ms/step
>9385, dr[0.682,0.793], df[0.776,0.029], g[0.857,0.042]
1/1 [=====] - 0s 81ms/step
>9386, dr[0.631,0.352], df[0.688,0.045], g[0.787,0.030]
1/1 [=====] - 0s 86ms/step
>9387, dr[0.688,0.592], df[0.642,0.035], g[0.844,0.027]
1/1 [=====] - 0s 85ms/step
>9388, dr[0.619,0.627], df[0.666,0.021], g[0.831,0.053]
1/1 [=====] - 0s 81ms/step
>9389, dr[0.685,0.574], df[0.674,0.036], g[0.812,0.038]
1/1 [=====] - 0s 81ms/step
>9390, dr[0.606,0.563], df[0.898,0.174], g[0.829,0.028]
1/1 [=====] - 0s 85ms/step
>9391, dr[0.730,0.371], df[0.727,0.040], g[0.813,0.018]
1/1 [=====] - 0s 81ms/step
>9392, dr[0.730,0.523], df[0.705,0.040], g[0.922,0.028]
1/1 [=====] - 0s 80ms/step
>9393, dr[0.642,0.362], df[0.683,0.023], g[0.918,0.017]
1/1 [=====] - 0s 90ms/step
>9394, dr[0.617,0.244], df[0.706,0.037], g[0.857,0.045]
1/1 [=====] - 0s 78ms/step
>9395, dr[0.833,0.704], df[0.659,0.021], g[0.862,0.051]
1/1 [=====] - 0s 81ms/step
>9396, dr[0.774,0.897], df[0.733,0.024], g[0.864,0.023]
1/1 [=====] - 0s 82ms/step
>9397, dr[0.648,0.332], df[0.831,0.042], g[0.924,0.046]
1/1 [=====] - 0s 84ms/step
>9398, dr[0.831,0.483], df[0.623,0.040], g[0.891,0.035]
1/1 [=====] - 0s 86ms/step
>9399, dr[0.714,0.578], df[0.665,0.027], g[0.816,0.048]
1/1 [=====] - 0s 83ms/step
```

```
>9400, dr[0.608,0.469], df[0.770,0.051], g[0.809,0.052]
1/1 [=====] - 0s 79ms/step
>9401, dr[0.640,0.599], df[0.776,0.016], g[0.898,0.039]
1/1 [=====] - 0s 83ms/step
>9402, dr[0.777,0.435], df[0.742,0.045], g[0.865,0.026]
1/1 [=====] - 0s 80ms/step
>9403, dr[0.800,0.455], df[0.727,0.021], g[0.799,0.046]
1/1 [=====] - 0s 80ms/step
>9404, dr[0.707,0.669], df[0.725,0.045], g[0.763,0.065]
1/1 [=====] - 0s 79ms/step
>9405, dr[0.696,0.399], df[0.831,0.047], g[0.837,0.074]
1/1 [=====] - 0s 92ms/step
>9406, dr[0.741,0.307], df[0.701,0.061], g[0.732,0.036]
1/1 [=====] - 0s 88ms/step
>9407, dr[0.606,0.422], df[0.723,0.035], g[0.849,0.039]
1/1 [=====] - 0s 91ms/step
>9408, dr[0.637,0.480], df[0.689,0.040], g[0.808,0.023]
1/1 [=====] - 0s 84ms/step
>9409, dr[0.634,0.210], df[0.691,0.061], g[0.872,0.021]
1/1 [=====] - 0s 84ms/step
>9410, dr[0.648,0.410], df[0.621,0.023], g[0.891,0.029]
1/1 [=====] - 0s 81ms/step
>9411, dr[0.723,0.428], df[0.676,0.022], g[0.889,0.024]
1/1 [=====] - 0s 79ms/step
>9412, dr[0.605,0.479], df[0.633,0.014], g[0.815,0.034]
1/1 [=====] - 0s 86ms/step
>9413, dr[0.578,0.318], df[0.726,0.099], g[0.840,0.026]
1/1 [=====] - 0s 94ms/step
>9414, dr[0.727,0.302], df[0.656,0.025], g[0.858,0.043]
1/1 [=====] - 0s 79ms/step
>9415, dr[0.750,0.598], df[0.763,0.031], g[0.878,0.075]
1/1 [=====] - 0s 87ms/step
>9416, dr[0.690,0.728], df[0.617,0.016], g[0.909,0.047]
1/1 [=====] - 0s 78ms/step
>9417, dr[0.786,0.367], df[0.640,0.025], g[0.811,0.069]
1/1 [=====] - 0s 81ms/step
>9418, dr[0.665,0.817], df[0.758,0.054], g[0.862,0.023]
1/1 [=====] - 0s 82ms/step
>9419, dr[0.650,0.383], df[0.733,0.037], g[0.901,0.036]
1/1 [=====] - 0s 79ms/step
>9420, dr[0.625,0.322], df[0.695,0.102], g[0.882,0.035]
1/1 [=====] - 0s 84ms/step
>9421, dr[0.792,0.422], df[0.625,0.058], g[0.907,0.030]
1/1 [=====] - 0s 85ms/step
>9422, dr[0.680,0.493], df[0.732,0.109], g[0.879,0.033]
1/1 [=====] - 0s 80ms/step
>9423, dr[0.656,0.291], df[0.602,0.027], g[0.874,0.030]
1/1 [=====] - 0s 85ms/step
>9424, dr[0.586,0.556], df[0.763,0.033], g[0.858,0.031]
1/1 [=====] - 0s 79ms/step
>9425, dr[0.790,0.601], df[0.658,0.037], g[0.924,0.028]
1/1 [=====] - 0s 85ms/step
>9426, dr[0.715,0.781], df[0.753,0.024], g[0.851,0.033]
1/1 [=====] - 0s 80ms/step
>9427, dr[0.683,0.422], df[0.673,0.025], g[0.817,0.030]
1/1 [=====] - 0s 79ms/step
>9428, dr[0.608,0.440], df[0.750,0.036], g[0.778,0.029]
1/1 [=====] - 0s 86ms/step
>9429, dr[0.751,0.416], df[0.663,0.037], g[0.858,0.025]
1/1 [=====] - 0s 79ms/step
```

```
>9430, dr[0.690,0.584], df[0.723,0.026], g[0.833,0.018]
1/1 [=====] - 0s 80ms/step
>9431, dr[0.713,0.533], df[0.708,0.033], g[0.879,0.043]
1/1 [=====] - 0s 85ms/step
>9432, dr[0.613,0.853], df[0.769,0.024], g[0.897,0.023]
1/1 [=====] - 0s 78ms/step
>9433, dr[0.761,0.511], df[0.702,0.041], g[0.860,0.064]
1/1 [=====] - 0s 79ms/step
>9434, dr[0.648,0.643], df[0.608,0.043], g[0.869,0.046]
1/1 [=====] - 0s 85ms/step
>9435, dr[0.769,0.094], df[0.653,0.044], g[0.783,0.015]
1/1 [=====] - 0s 82ms/step
>9436, dr[0.665,0.349], df[0.718,0.019], g[0.890,0.073]
1/1 [=====] - 0s 81ms/step
>9437, dr[0.664,0.667], df[0.748,0.020], g[0.840,0.028]
1/1 [=====] - 0s 80ms/step
>9438, dr[0.670,0.387], df[0.744,0.029], g[0.924,0.028]
1/1 [=====] - 0s 82ms/step
>9439, dr[0.692,0.476], df[0.733,0.038], g[0.860,0.030]
1/1 [=====] - 0s 82ms/step
>9440, dr[0.724,0.602], df[0.730,0.028], g[0.905,0.027]
1/1 [=====] - 0s 78ms/step
>9441, dr[0.642,0.554], df[0.733,0.050], g[0.899,0.031]
1/1 [=====] - 0s 79ms/step
>9442, dr[0.776,0.364], df[0.713,0.030], g[0.824,0.041]
1/1 [=====] - 0s 94ms/step
>9443, dr[0.743,0.413], df[0.732,0.129], g[0.856,0.031]
1/1 [=====] - 0s 84ms/step
>9444, dr[0.574,0.431], df[0.662,0.059], g[0.914,0.033]
1/1 [=====] - 0s 81ms/step
>9445, dr[0.769,0.342], df[0.742,0.017], g[0.849,0.033]
1/1 [=====] - 0s 89ms/step
>9446, dr[0.778,0.218], df[0.867,0.039], g[0.854,0.017]
1/1 [=====] - 0s 79ms/step
>9447, dr[0.677,0.202], df[0.653,0.031], g[0.823,0.046]
1/1 [=====] - 0s 81ms/step
>9448, dr[0.677,0.573], df[0.711,0.039], g[0.810,0.027]
1/1 [=====] - 0s 77ms/step
>9449, dr[0.670,0.382], df[0.619,0.037], g[0.865,0.020]
1/1 [=====] - 0s 79ms/step
>9450, dr[0.681,0.592], df[0.716,0.011], g[0.845,0.027]
1/1 [=====] - 0s 85ms/step
>9451, dr[0.572,0.371], df[0.667,0.022], g[0.887,0.018]
1/1 [=====] - 0s 82ms/step
>9452, dr[0.729,0.359], df[0.669,0.018], g[0.799,0.031]
1/1 [=====] - 0s 79ms/step
>9453, dr[0.551,0.411], df[0.715,0.030], g[0.875,0.027]
1/1 [=====] - 0s 85ms/step
>9454, dr[0.783,0.529], df[0.675,0.020], g[0.858,0.028]
1/1 [=====] - 0s 78ms/step
>9455, dr[0.648,0.532], df[0.781,0.025], g[0.978,0.033]
1/1 [=====] - 0s 81ms/step
>9456, dr[0.781,0.559], df[0.720,0.019], g[0.745,0.032]
1/1 [=====] - 0s 84ms/step
>9457, dr[0.624,0.332], df[0.653,0.049], g[0.848,0.037]
1/1 [=====] - 0s 81ms/step
>9458, dr[0.697,0.547], df[0.694,0.020], g[0.862,0.042]
1/1 [=====] - 0s 84ms/step
>9459, dr[0.616,0.343], df[0.817,0.015], g[0.905,0.045]
1/1 [=====] - 0s 82ms/step
```

```
>9460, dr[0.593,0.445], df[0.599,0.116], g[0.831,0.060]
1/1 [=====] - 0s 81ms/step
>9461, dr[0.748,0.425], df[0.787,0.029], g[0.892,0.066]
1/1 [=====] - 0s 88ms/step
>9462, dr[0.794,0.521], df[0.636,0.051], g[0.803,0.031]
1/1 [=====] - 0s 86ms/step
>9463, dr[0.622,0.575], df[0.653,0.029], g[0.802,0.034]
1/1 [=====] - 0s 79ms/step
>9464, dr[0.742,0.652], df[0.753,0.037], g[0.834,0.024]
1/1 [=====] - 0s 88ms/step
>9465, dr[0.694,0.672], df[0.743,0.042], g[0.796,0.038]
1/1 [=====] - 0s 78ms/step
>9466, dr[0.773,0.271], df[0.752,0.038], g[0.812,0.017]
1/1 [=====] - 0s 80ms/step
>9467, dr[0.607,0.376], df[0.698,0.038], g[0.783,0.029]
1/1 [=====] - 0s 85ms/step
>9468, dr[0.655,0.475], df[0.894,0.037], g[0.861,0.059]
1/1 [=====] - 0s 83ms/step
>9469, dr[0.629,0.418], df[0.749,0.054], g[0.856,0.084]
1/1 [=====] - 0s 81ms/step
>9470, dr[0.736,0.377], df[0.610,0.018], g[0.835,0.023]
1/1 [=====] - 0s 82ms/step
>9471, dr[0.753,0.213], df[0.728,0.049], g[0.815,0.028]
1/1 [=====] - 0s 79ms/step
>9472, dr[0.724,0.830], df[0.789,0.028], g[0.817,0.046]
1/1 [=====] - 0s 89ms/step
>9473, dr[0.748,0.425], df[0.730,0.037], g[0.837,0.030]
1/1 [=====] - 0s 79ms/step
>9474, dr[0.689,0.312], df[0.696,0.021], g[0.780,0.044]
1/1 [=====] - 0s 78ms/step
>9475, dr[0.649,0.415], df[0.650,0.049], g[0.878,0.036]
1/1 [=====] - 0s 80ms/step
>9476, dr[0.722,0.319], df[0.705,0.041], g[0.813,0.035]
1/1 [=====] - 0s 81ms/step
>9477, dr[0.642,0.520], df[0.708,0.029], g[0.877,0.025]
1/1 [=====] - 0s 83ms/step
>9478, dr[0.725,0.623], df[0.587,0.024], g[0.839,0.048]
1/1 [=====] - 0s 90ms/step
>9479, dr[0.774,0.459], df[0.695,0.018], g[0.746,0.048]
1/1 [=====] - 0s 78ms/step
>9480, dr[0.675,0.580], df[0.732,0.060], g[0.721,0.020]
1/1 [=====] - 0s 87ms/step
>9481, dr[0.605,0.491], df[0.800,0.024], g[0.788,0.066]
1/1 [=====] - 0s 83ms/step
>9482, dr[0.702,0.358], df[0.759,0.046], g[0.787,0.045]
1/1 [=====] - 0s 79ms/step
>9483, dr[0.750,0.335], df[0.706,0.043], g[0.761,0.043]
1/1 [=====] - 0s 87ms/step
>9484, dr[0.600,0.473], df[0.659,0.018], g[0.895,0.024]
1/1 [=====] - 0s 78ms/step
>9485, dr[0.646,0.673], df[0.787,0.038], g[0.857,0.032]
1/1 [=====] - 0s 79ms/step
>9486, dr[0.608,0.292], df[0.687,0.129], g[0.889,0.025]
1/1 [=====] - 0s 77ms/step
>9487, dr[0.705,0.403], df[0.656,0.036], g[0.874,0.042]
1/1 [=====] - 0s 79ms/step
>9488, dr[0.654,0.903], df[0.671,0.017], g[0.822,0.020]
1/1 [=====] - 0s 85ms/step
>9489, dr[0.665,0.480], df[0.693,0.039], g[0.813,0.023]
1/1 [=====] - 0s 84ms/step
```

```
>9490, dr[0.614,0.485], df[0.719,0.037], g[0.832,0.041]
1/1 [=====] - 0s 80ms/step
>9491, dr[0.748,0.504], df[0.647,0.026], g[0.915,0.035]
1/1 [=====] - 0s 86ms/step
>9492, dr[0.687,0.255], df[0.677,0.030], g[0.858,0.040]
1/1 [=====] - 0s 79ms/step
>9493, dr[0.662,0.549], df[0.672,0.062], g[0.838,0.017]
1/1 [=====] - 0s 79ms/step
>9494, dr[0.758,0.604], df[0.689,0.014], g[0.738,0.036]
1/1 [=====] - 0s 88ms/step
>9495, dr[0.617,0.474], df[0.770,0.063], g[0.815,0.027]
1/1 [=====] - 0s 79ms/step
>9496, dr[0.715,0.581], df[0.874,0.038], g[0.901,0.016]
1/1 [=====] - 0s 82ms/step
>9497, dr[0.805,0.494], df[0.726,0.045], g[0.874,0.029]
1/1 [=====] - 0s 79ms/step
>9498, dr[0.669,0.637], df[0.693,0.013], g[0.911,0.032]
1/1 [=====] - 0s 80ms/step
>9499, dr[0.639,0.607], df[0.727,0.024], g[0.820,0.047]
1/1 [=====] - 0s 94ms/step
>9500, dr[0.733,0.407], df[0.632,0.043], g[0.820,0.031]
1/1 [=====] - 0s 84ms/step
>9501, dr[0.738,0.488], df[0.684,0.077], g[0.759,0.025]
1/1 [=====] - 0s 81ms/step
>9502, dr[0.629,0.551], df[0.638,0.045], g[0.905,0.039]
1/1 [=====] - 0s 93ms/step
>9503, dr[0.613,0.554], df[0.865,0.023], g[0.835,0.029]
1/1 [=====] - 0s 80ms/step
>9504, dr[0.657,0.334], df[0.602,0.031], g[0.866,0.030]
1/1 [=====] - 0s 81ms/step
>9505, dr[0.690,0.330], df[0.704,0.035], g[0.872,0.038]
1/1 [=====] - 0s 84ms/step
>9506, dr[0.759,0.390], df[0.619,0.015], g[0.962,0.034]
1/1 [=====] - 0s 81ms/step
>9507, dr[0.720,0.250], df[0.642,0.028], g[0.806,0.024]
1/1 [=====] - 0s 80ms/step
>9508, dr[0.719,0.980], df[0.717,0.018], g[0.833,0.028]
1/1 [=====] - 0s 81ms/step
>9509, dr[0.596,0.671], df[0.775,0.030], g[0.864,0.034]
1/1 [=====] - 0s 81ms/step
>9510, dr[0.747,0.518], df[0.779,0.022], g[0.838,0.040]
1/1 [=====] - 0s 85ms/step
>9511, dr[0.640,0.628], df[0.683,0.024], g[0.856,0.028]
1/1 [=====] - 0s 79ms/step
>9512, dr[0.718,0.442], df[0.624,0.010], g[0.859,0.070]
1/1 [=====] - 0s 79ms/step
>9513, dr[0.811,0.485], df[0.781,0.037], g[0.862,0.031]
1/1 [=====] - 0s 87ms/step
>9514, dr[0.754,0.733], df[0.640,0.025], g[0.901,0.016]
1/1 [=====] - 0s 78ms/step
>9515, dr[0.676,0.398], df[0.676,0.038], g[0.785,0.027]
1/1 [=====] - 0s 80ms/step
>9516, dr[0.639,0.219], df[0.701,0.013], g[0.825,0.037]
1/1 [=====] - 0s 82ms/step
>9517, dr[0.684,0.439], df[0.810,0.018], g[0.929,0.025]
1/1 [=====] - 0s 81ms/step
>9518, dr[0.660,0.421], df[0.699,0.027], g[0.810,0.031]
1/1 [=====] - 0s 86ms/step
>9519, dr[0.632,0.306], df[0.755,0.041], g[0.899,0.019]
1/1 [=====] - 0s 82ms/step
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>9520, dr[0.772,0.699], df[0.610,0.021], g[0.823,0.030]
1/1 [=====] - 0s 79ms/step
>9521, dr[0.688,0.650], df[0.617,0.024], g[0.890,0.023]
1/1 [=====] - 0s 86ms/step
>9522, dr[0.633,0.233], df[0.779,0.026], g[0.939,0.018]
1/1 [=====] - 0s 81ms/step
>9523, dr[0.663,0.725], df[0.723,0.031], g[0.837,0.036]
1/1 [=====] - 0s 81ms/step
>9524, dr[0.784,0.384], df[0.684,0.033], g[0.880,0.020]
1/1 [=====] - 0s 87ms/step
>9525, dr[0.683,0.613], df[0.778,0.043], g[0.875,0.023]
1/1 [=====] - 0s 79ms/step
>9526, dr[0.685,0.631], df[0.779,0.015], g[0.852,0.030]
1/1 [=====] - 0s 82ms/step
>9527, dr[0.698,0.516], df[0.723,0.038], g[0.975,0.030]
1/1 [=====] - 0s 81ms/step
>9528, dr[0.739,0.277], df[0.792,0.050], g[0.817,0.018]
1/1 [=====] - 0s 81ms/step
>9529, dr[0.708,0.428], df[0.661,0.068], g[0.934,0.029]
1/1 [=====] - 0s 82ms/step
>9530, dr[0.743,0.683], df[0.652,0.018], g[0.897,0.046]
1/1 [=====] - 0s 83ms/step
>9531, dr[0.755,0.599], df[0.829,0.022], g[0.796,0.027]
1/1 [=====] - 0s 87ms/step
>9532, dr[0.719,0.970], df[0.641,0.038], g[0.727,0.026]
1/1 [=====] - 0s 87ms/step
>9533, dr[0.713,0.301], df[0.746,0.040], g[0.779,0.023]
1/1 [=====] - 0s 79ms/step
>9534, dr[0.707,0.373], df[0.767,0.032], g[0.832,0.016]
1/1 [=====] - 0s 79ms/step
>9535, dr[0.669,0.266], df[0.727,0.025], g[0.813,0.027]
1/1 [=====] - 0s 90ms/step
>9536, dr[0.780,0.697], df[0.686,0.046], g[0.770,0.029]
1/1 [=====] - 0s 89ms/step
>9537, dr[0.581,0.300], df[0.742,0.065], g[0.817,0.021]
1/1 [=====] - 0s 79ms/step
>9538, dr[0.766,0.650], df[0.752,0.032], g[0.885,0.016]
1/1 [=====] - 0s 80ms/step
>9539, dr[0.678,0.370], df[0.705,0.021], g[0.883,0.048]
1/1 [=====] - 0s 80ms/step
>9540, dr[0.774,0.732], df[0.706,0.032], g[0.847,0.039]
1/1 [=====] - 0s 86ms/step
>9541, dr[0.660,0.383], df[0.701,0.017], g[0.850,0.038]
1/1 [=====] - 0s 83ms/step
>9542, dr[0.705,0.297], df[0.685,0.017], g[0.851,0.041]
1/1 [=====] - 0s 78ms/step
>9543, dr[0.683,0.741], df[0.626,0.029], g[0.806,0.043]
1/1 [=====] - 0s 89ms/step
>9544, dr[0.652,0.574], df[0.722,0.044], g[0.866,0.024]
1/1 [=====] - 0s 80ms/step
>9545, dr[0.700,0.282], df[0.696,0.017], g[0.911,0.025]
1/1 [=====] - 0s 80ms/step
>9546, dr[0.635,0.372], df[0.681,0.047], g[0.773,0.033]
1/1 [=====] - 0s 82ms/step
>9547, dr[0.658,0.391], df[0.748,0.031], g[0.794,0.047]
1/1 [=====] - 0s 84ms/step
>9548, dr[0.678,0.270], df[0.651,0.038], g[0.920,0.024]
1/1 [=====] - 0s 81ms/step
>9549, dr[0.719,0.339], df[0.658,0.019], g[0.848,0.033]
1/1 [=====] - 0s 81ms/step
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>9550, dr[0.688,0.426], df[0.667,0.028], g[0.910,0.021]
1/1 [=====] - 0s 82ms/step
>9551, dr[0.602,0.462], df[0.800,0.038], g[0.862,0.036]
1/1 [=====] - 0s 86ms/step
>9552, dr[0.650,0.599], df[0.710,0.048], g[0.888,0.029]
1/1 [=====] - 0s 79ms/step
>9553, dr[0.677,0.580], df[0.707,0.076], g[0.906,0.032]
1/1 [=====] - 0s 86ms/step
>9554, dr[0.687,0.364], df[0.664,0.035], g[0.899,0.035]
1/1 [=====] - 0s 88ms/step
>9555, dr[0.704,0.370], df[0.660,0.019], g[0.810,0.023]
1/1 [=====] - 0s 80ms/step
>9556, dr[0.713,0.764], df[0.685,0.027], g[0.864,0.039]
1/1 [=====] - 0s 79ms/step
>9557, dr[0.693,0.971], df[0.653,0.037], g[0.781,0.021]
1/1 [=====] - 0s 87ms/step
>9558, dr[0.683,0.335], df[0.756,0.024], g[0.785,0.084]
1/1 [=====] - 0s 78ms/step
>9559, dr[0.645,0.280], df[0.732,0.057], g[0.851,0.025]
1/1 [=====] - 0s 98ms/step
>9560, dr[0.606,0.385], df[0.600,0.034], g[0.890,0.022]
1/1 [=====] - 0s 105ms/step
>9561, dr[0.728,0.469], df[0.687,0.026], g[0.839,0.064]
1/1 [=====] - 0s 104ms/step
>9562, dr[0.710,0.510], df[0.686,0.035], g[0.906,0.018]
1/1 [=====] - 0s 122ms/step
>9563, dr[0.582,0.348], df[0.690,0.020], g[0.875,0.012]
1/1 [=====] - 0s 100ms/step
>9564, dr[0.816,0.454], df[0.638,0.023], g[0.867,0.018]
1/1 [=====] - 0s 108ms/step
>9565, dr[0.568,0.613], df[0.746,0.027], g[0.886,0.022]
1/1 [=====] - 0s 102ms/step
>9566, dr[0.816,0.446], df[0.672,0.031], g[0.782,0.053]
1/1 [=====] - 0s 98ms/step
>9567, dr[0.667,0.150], df[0.730,0.045], g[0.896,0.029]
1/1 [=====] - 0s 100ms/step
>9568, dr[0.753,0.378], df[0.662,0.019], g[0.884,0.022]
1/1 [=====] - 0s 114ms/step
>9569, dr[0.752,0.290], df[0.629,0.012], g[0.767,0.024]
1/1 [=====] - 0s 99ms/step
>9570, dr[0.802,0.483], df[0.842,0.014], g[0.882,0.056]
1/1 [=====] - 0s 100ms/step
>9571, dr[0.700,0.772], df[0.812,0.024], g[0.837,0.021]
1/1 [=====] - 0s 100ms/step
>9572, dr[0.689,0.455], df[0.760,0.035], g[0.708,0.032]
1/1 [=====] - 0s 135ms/step
>9573, dr[0.616,0.344], df[0.812,0.036], g[0.861,0.031]
1/1 [=====] - 0s 116ms/step
>9574, dr[0.667,0.634], df[0.722,0.022], g[0.828,0.022]
1/1 [=====] - 0s 128ms/step
>9575, dr[0.709,0.439], df[0.665,0.015], g[0.844,0.047]
1/1 [=====] - 0s 114ms/step
>9576, dr[0.829,0.497], df[0.613,0.030], g[0.850,0.026]
1/1 [=====] - 0s 113ms/step
>9577, dr[0.614,0.550], df[0.781,0.065], g[0.868,0.030]
1/1 [=====] - 0s 107ms/step
>9578, dr[0.692,0.527], df[0.760,0.029], g[0.923,0.017]
1/1 [=====] - 0s 107ms/step
>9579, dr[0.899,0.307], df[0.678,0.151], g[0.811,0.052]
1/1 [=====] - 0s 113ms/step
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>9580, dr[0.752,0.634], df[0.746,0.043], g[0.754,0.022]
1/1 [=====] - 0s 98ms/step
>9581, dr[0.730,0.276], df[0.802,0.030], g[0.876,0.016]
1/1 [=====] - 0s 87ms/step
>9582, dr[0.628,0.379], df[0.737,0.043], g[0.906,0.066]
1/1 [=====] - 0s 84ms/step
>9583, dr[0.715,0.324], df[0.694,0.040], g[0.977,0.024]
1/1 [=====] - 0s 93ms/step
>9584, dr[0.686,0.706], df[0.740,0.026], g[0.808,0.025]
1/1 [=====] - 0s 90ms/step
>9585, dr[0.778,0.453], df[0.692,0.022], g[0.871,0.027]
1/1 [=====] - 0s 90ms/step
>9586, dr[0.699,0.254], df[0.747,0.017], g[0.874,0.019]
1/1 [=====] - 0s 94ms/step
>9587, dr[0.743,0.495], df[0.648,0.016], g[0.811,0.030]
1/1 [=====] - 0s 92ms/step
>9588, dr[0.747,0.515], df[0.744,0.030], g[0.803,0.028]
1/1 [=====] - 0s 89ms/step
>9589, dr[0.701,0.272], df[0.656,0.024], g[0.837,0.029]
1/1 [=====] - 0s 97ms/step
>9590, dr[0.719,0.551], df[0.722,0.067], g[0.821,0.034]
1/1 [=====] - 0s 96ms/step
>9591, dr[0.672,0.474], df[0.741,0.015], g[0.764,0.025]
1/1 [=====] - 0s 91ms/step
>9592, dr[0.667,0.381], df[0.587,0.030], g[0.787,0.026]
1/1 [=====] - 0s 98ms/step
>9593, dr[0.598,0.393], df[0.794,0.012], g[0.823,0.019]
1/1 [=====] - 0s 96ms/step
>9594, dr[0.562,0.597], df[0.596,0.018], g[0.921,0.065]
1/1 [=====] - 0s 91ms/step
>9595, dr[0.712,0.400], df[0.732,0.012], g[0.968,0.020]
1/1 [=====] - 0s 91ms/step
>9596, dr[0.603,0.316], df[0.692,0.028], g[0.832,0.026]
1/1 [=====] - 0s 89ms/step
>9597, dr[0.759,0.502], df[0.877,0.011], g[0.899,0.020]
1/1 [=====] - 0s 87ms/step
>9598, dr[0.689,0.530], df[0.745,0.023], g[0.968,0.018]
1/1 [=====] - 0s 86ms/step
>9599, dr[0.756,0.515], df[0.669,0.017], g[0.854,0.041]
1/1 [=====] - 0s 102ms/step
>9600, dr[0.785,0.401], df[0.757,0.023], g[0.819,0.032]
1/1 [=====] - 0s 91ms/step
>9601, dr[0.662,0.711], df[0.694,0.026], g[0.908,0.030]
1/1 [=====] - 0s 107ms/step
>9602, dr[0.703,0.303], df[0.661,0.021], g[0.905,0.034]
1/1 [=====] - 0s 98ms/step
>9603, dr[0.766,0.361], df[0.656,0.022], g[0.903,0.026]
1/1 [=====] - 0s 101ms/step
>9604, dr[0.708,0.867], df[0.663,0.044], g[0.797,0.035]
1/1 [=====] - 0s 85ms/step
>9605, dr[0.712,0.432], df[0.776,0.041], g[0.751,0.032]
1/1 [=====] - 0s 88ms/step
>9606, dr[0.674,0.769], df[0.696,0.035], g[0.826,0.040]
1/1 [=====] - 0s 89ms/step
>9607, dr[0.759,0.841], df[0.784,0.029], g[0.910,0.030]
1/1 [=====] - 0s 111ms/step
>9608, dr[0.604,0.220], df[0.701,0.018], g[0.887,0.043]
1/1 [=====] - 0s 78ms/step
>9609, dr[0.633,0.387], df[0.742,0.036], g[0.915,0.024]
1/1 [=====] - 0s 87ms/step
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>9610, dr[0.684,0.849], df[0.792,0.025], g[0.999,0.016]
1/1 [=====] - 0s 80ms/step
>9611, dr[0.697,0.510], df[0.650,0.050], g[0.855,0.033]
1/1 [=====] - 0s 83ms/step
>9612, dr[0.666,0.249], df[0.692,0.018], g[0.787,0.031]
1/1 [=====] - 0s 95ms/step
>9613, dr[0.731,0.373], df[0.772,0.013], g[0.935,0.019]
1/1 [=====] - 0s 81ms/step
>9614, dr[0.643,0.605], df[0.714,0.019], g[0.901,0.021]
1/1 [=====] - 0s 80ms/step
>9615, dr[0.714,0.513], df[0.708,0.020], g[0.843,0.045]
1/1 [=====] - 0s 86ms/step
>9616, dr[0.706,0.375], df[0.662,0.015], g[0.858,0.045]
1/1 [=====] - 0s 80ms/step
>9617, dr[0.577,0.275], df[0.677,0.074], g[0.895,0.040]
1/1 [=====] - 0s 87ms/step
>9618, dr[0.700,0.438], df[0.688,0.034], g[0.862,0.045]
1/1 [=====] - 0s 89ms/step
>9619, dr[0.714,0.481], df[0.663,0.032], g[0.836,0.025]
1/1 [=====] - 0s 83ms/step
>9620, dr[0.690,0.416], df[0.770,0.040], g[0.800,0.022]
1/1 [=====] - 0s 80ms/step
>9621, dr[0.632,0.399], df[0.666,0.035], g[0.789,0.055]
1/1 [=====] - 0s 83ms/step
>9622, dr[0.635,0.514], df[0.810,0.040], g[0.825,0.033]
1/1 [=====] - 0s 79ms/step
>9623, dr[0.695,0.582], df[0.655,0.021], g[0.878,0.026]
1/1 [=====] - 0s 84ms/step
>9624, dr[0.691,0.338], df[0.699,0.022], g[0.820,0.027]
1/1 [=====] - 0s 85ms/step
>9625, dr[0.792,0.264], df[0.714,0.056], g[0.834,0.022]
1/1 [=====] - 0s 82ms/step
>9626, dr[0.683,0.508], df[0.756,0.049], g[0.723,0.025]
1/1 [=====] - 0s 85ms/step
>9627, dr[0.658,0.469], df[0.706,0.037], g[0.900,0.041]
1/1 [=====] - 0s 80ms/step
>9628, dr[0.635,0.369], df[0.702,0.039], g[0.864,0.037]
1/1 [=====] - 0s 79ms/step
>9629, dr[0.679,0.308], df[0.659,0.021], g[0.797,0.031]
1/1 [=====] - 0s 86ms/step
>9630, dr[0.710,0.751], df[0.734,0.045], g[0.868,0.059]
1/1 [=====] - 0s 78ms/step
>9631, dr[0.698,0.460], df[0.856,0.078], g[0.829,0.031]
1/1 [=====] - 0s 79ms/step
>9632, dr[0.607,0.409], df[0.645,0.026], g[0.937,0.032]
1/1 [=====] - 0s 87ms/step
>9633, dr[0.693,0.518], df[0.671,0.031], g[0.838,0.041]
1/1 [=====] - 0s 80ms/step
>9634, dr[0.677,0.242], df[0.755,0.025], g[0.829,0.016]
1/1 [=====] - 0s 79ms/step
>9635, dr[0.736,1.194], df[0.617,0.037], g[0.919,0.030]
1/1 [=====] - 0s 89ms/step
>9636, dr[0.665,0.338], df[0.699,0.023], g[0.812,0.099]
1/1 [=====] - 0s 81ms/step
>9637, dr[0.634,0.269], df[0.758,0.026], g[0.898,0.021]
1/1 [=====] - 0s 87ms/step
>9638, dr[0.766,0.342], df[0.673,0.019], g[0.850,0.024]
1/1 [=====] - 0s 78ms/step
>9639, dr[0.749,0.422], df[0.692,0.018], g[0.870,0.038]
1/1 [=====] - 0s 91ms/step
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>9640, dr[0.760,0.583], df[0.691,0.035], g[0.899,0.028]
1/1 [=====] - 0s 102ms/step
>9641, dr[0.680,0.374], df[0.629,0.024], g[0.842,0.033]
1/1 [=====] - 0s 86ms/step
>9642, dr[0.538,0.452], df[0.700,0.102], g[0.895,0.049]
1/1 [=====] - 0s 80ms/step
>9643, dr[0.648,0.630], df[0.684,0.036], g[0.845,0.024]
1/1 [=====] - 0s 82ms/step
>9644, dr[0.720,0.453], df[0.645,0.014], g[0.854,0.027]
1/1 [=====] - 0s 82ms/step
>9645, dr[0.747,0.762], df[0.757,0.027], g[0.885,0.062]
1/1 [=====] - 0s 79ms/step
>9646, dr[0.648,0.405], df[0.723,0.123], g[0.938,0.020]
1/1 [=====] - 0s 90ms/step
>9647, dr[0.688,0.289], df[0.669,0.036], g[0.845,0.047]
1/1 [=====] - 0s 81ms/step
>9648, dr[0.799,0.751], df[0.704,0.041], g[0.771,0.032]
1/1 [=====] - 0s 82ms/step
>9649, dr[0.691,0.406], df[0.644,0.057], g[0.805,0.014]
1/1 [=====] - 0s 101ms/step
>9650, dr[0.625,0.352], df[0.716,0.032], g[0.854,0.024]
1/1 [=====] - 0s 82ms/step
>9651, dr[0.728,0.811], df[0.679,0.027], g[0.799,0.020]
1/1 [=====] - 0s 82ms/step
>9652, dr[0.615,0.506], df[0.654,0.051], g[0.869,0.021]
1/1 [=====] - 0s 84ms/step
>9653, dr[0.619,0.366], df[0.698,0.014], g[0.831,0.048]
1/1 [=====] - 0s 80ms/step
>9654, dr[0.674,0.535], df[0.654,0.020], g[0.862,0.031]
1/1 [=====] - 0s 84ms/step
>9655, dr[0.682,0.698], df[0.756,0.047], g[0.793,0.029]
1/1 [=====] - 0s 82ms/step
>9656, dr[0.712,0.349], df[0.631,0.038], g[0.876,0.025]
1/1 [=====] - 0s 82ms/step
>9657, dr[0.655,0.503], df[0.745,0.041], g[0.810,0.044]
1/1 [=====] - 0s 92ms/step
>9658, dr[0.575,0.992], df[0.671,0.043], g[0.900,0.039]
1/1 [=====] - 0s 82ms/step
>9659, dr[0.685,0.375], df[0.777,0.028], g[0.828,0.031]
1/1 [=====] - 0s 78ms/step
>9660, dr[0.677,0.497], df[0.736,0.030], g[0.893,0.030]
1/1 [=====] - 0s 88ms/step
>9661, dr[0.779,0.501], df[0.681,0.037], g[0.844,0.020]
1/1 [=====] - 0s 82ms/step
>9662, dr[0.794,0.438], df[0.685,0.055], g[0.853,0.016]
1/1 [=====] - 0s 80ms/step
>9663, dr[0.692,0.822], df[0.638,0.042], g[0.743,0.031]
1/1 [=====] - 0s 87ms/step
>9664, dr[0.627,0.466], df[0.788,0.089], g[0.881,0.029]
1/1 [=====] - 0s 77ms/step
>9665, dr[0.786,0.208], df[0.747,0.015], g[0.859,0.045]
1/1 [=====] - 0s 81ms/step
>9666, dr[0.738,0.448], df[0.731,0.026], g[0.860,0.061]
1/1 [=====] - 0s 80ms/step
>9667, dr[0.702,0.467], df[0.642,0.031], g[0.889,0.022]
1/1 [=====] - 0s 79ms/step
>9668, dr[0.673,0.352], df[0.712,0.017], g[0.710,0.039]
1/1 [=====] - 0s 81ms/step
>9669, dr[0.672,0.250], df[0.695,0.047], g[0.831,0.032]
1/1 [=====] - 0s 83ms/step
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>9670, dr[0.663,0.375], df[0.706,0.020], g[0.837,0.023]
1/1 [=====] - 0s 82ms/step
>9671, dr[0.708,0.706], df[0.746,0.033], g[0.836,0.028]
1/1 [=====] - 0s 93ms/step
>9672, dr[0.746,0.332], df[0.715,0.131], g[0.912,0.039]
1/1 [=====] - 0s 88ms/step
>9673, dr[0.674,0.329], df[0.686,0.031], g[0.836,0.043]
1/1 [=====] - 0s 80ms/step
>9674, dr[0.624,0.657], df[0.749,0.038], g[0.822,0.074]
1/1 [=====] - 0s 91ms/step
>9675, dr[0.760,0.312], df[0.661,0.012], g[0.760,0.032]
1/1 [=====] - 0s 80ms/step
>9676, dr[0.681,0.513], df[0.639,0.030], g[0.854,0.039]
1/1 [=====] - 0s 81ms/step
>9677, dr[0.732,0.489], df[0.724,0.044], g[0.761,0.046]
1/1 [=====] - 0s 82ms/step
>9678, dr[0.687,0.563], df[0.729,0.057], g[0.817,0.022]
1/1 [=====] - 0s 82ms/step
>9679, dr[0.665,0.813], df[0.695,0.041], g[0.845,0.023]
1/1 [=====] - 0s 79ms/step
>9680, dr[0.682,0.352], df[0.714,0.041], g[0.818,0.031]
1/1 [=====] - 0s 82ms/step
>9681, dr[0.677,0.459], df[0.800,0.036], g[0.891,0.030]
1/1 [=====] - 0s 79ms/step
>9682, dr[0.713,0.359], df[0.722,0.016], g[0.814,0.024]
1/1 [=====] - 0s 87ms/step
>9683, dr[0.746,0.550], df[0.786,0.027], g[0.766,0.020]
1/1 [=====] - 0s 79ms/step
>9684, dr[0.626,0.623], df[0.701,0.014], g[0.890,0.034]
1/1 [=====] - 0s 82ms/step
>9685, dr[0.651,0.770], df[0.720,0.032], g[0.841,0.034]
1/1 [=====] - 0s 90ms/step
>9686, dr[0.683,0.730], df[0.639,0.022], g[0.851,0.045]
1/1 [=====] - 0s 80ms/step
>9687, dr[0.711,0.443], df[0.760,0.055], g[0.823,0.052]
1/1 [=====] - 0s 80ms/step
>9688, dr[0.664,0.224], df[0.692,0.097], g[0.809,0.073]
1/1 [=====] - 0s 89ms/step
>9689, dr[0.736,0.424], df[0.693,0.020], g[0.880,0.037]
1/1 [=====] - 0s 82ms/step
>9690, dr[0.731,0.413], df[0.825,0.035], g[0.820,0.067]
1/1 [=====] - 0s 82ms/step
>9691, dr[0.737,0.652], df[0.762,0.018], g[0.854,0.021]
1/1 [=====] - 0s 81ms/step
>9692, dr[0.769,0.182], df[0.684,0.029], g[0.902,0.028]
1/1 [=====] - 0s 81ms/step
>9693, dr[0.695,0.492], df[0.650,0.024], g[0.890,0.031]
1/1 [=====] - 0s 83ms/step
>9694, dr[0.691,0.319], df[0.797,0.031], g[0.923,0.023]
1/1 [=====] - 0s 82ms/step
>9695, dr[0.666,0.556], df[0.674,0.013], g[0.822,0.038]
1/1 [=====] - 0s 83ms/step
>9696, dr[0.747,0.417], df[0.747,0.052], g[0.810,0.030]
1/1 [=====] - 0s 86ms/step
>9697, dr[0.627,0.840], df[0.678,0.038], g[0.821,0.027]
1/1 [=====] - 0s 82ms/step
>9698, dr[0.733,0.294], df[0.708,0.037], g[0.965,0.048]
1/1 [=====] - 0s 79ms/step
>9699, dr[0.666,0.889], df[0.755,0.018], g[0.794,0.022]
1/1 [=====] - 0s 88ms/step
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>9700, dr[0.710,0.537], df[0.743,0.032], g[0.807,0.025]
1/1 [=====] - 0s 78ms/step
>9701, dr[0.874,0.376], df[0.756,0.016], g[0.805,0.032]
1/1 [=====] - 0s 79ms/step
>9702, dr[0.675,0.331], df[0.732,0.058], g[0.768,0.054]
1/1 [=====] - 0s 87ms/step
>9703, dr[0.773,0.369], df[0.739,0.030], g[0.857,0.052]
1/1 [=====] - 0s 83ms/step
>9704, dr[0.654,0.328], df[0.692,0.039], g[0.903,0.042]
1/1 [=====] - 0s 87ms/step
>9705, dr[0.619,0.383], df[0.658,0.018], g[0.865,0.023]
1/1 [=====] - 0s 80ms/step
>9706, dr[0.755,0.570], df[0.809,0.045], g[0.843,0.032]
1/1 [=====] - 0s 81ms/step
>9707, dr[0.765,0.510], df[0.736,0.023], g[0.877,0.032]
1/1 [=====] - 0s 89ms/step
>9708, dr[0.648,0.341], df[0.723,0.025], g[0.875,0.032]
1/1 [=====] - 0s 82ms/step
>9709, dr[0.822,0.996], df[0.824,0.173], g[0.814,0.028]
1/1 [=====] - 0s 82ms/step
>9710, dr[0.665,0.675], df[0.659,0.039], g[0.881,0.025]
1/1 [=====] - 0s 86ms/step
>9711, dr[0.688,0.635], df[0.750,0.032], g[0.828,0.043]
1/1 [=====] - 0s 79ms/step
>9712, dr[0.686,0.302], df[0.670,0.085], g[0.860,0.043]
1/1 [=====] - 0s 83ms/step
>9713, dr[0.704,0.667], df[0.727,0.080], g[0.831,0.047]
1/1 [=====] - 0s 91ms/step
>9714, dr[0.745,0.279], df[0.658,0.030], g[0.773,0.044]
1/1 [=====] - 0s 81ms/step
>9715, dr[0.719,0.335], df[0.779,0.052], g[0.769,0.024]
1/1 [=====] - 0s 78ms/step
>9716, dr[0.651,0.501], df[0.817,0.049], g[0.899,0.021]
1/1 [=====] - 0s 91ms/step
>9717, dr[0.614,0.351], df[0.653,0.074], g[0.843,0.021]
1/1 [=====] - 0s 83ms/step
>9718, dr[0.727,0.639], df[0.706,0.018], g[0.829,0.044]
1/1 [=====] - 0s 105ms/step
>9719, dr[0.661,0.538], df[0.731,0.023], g[0.777,0.036]
1/1 [=====] - 0s 107ms/step
>9720, dr[0.667,0.305], df[0.643,0.041], g[0.973,0.036]
1/1 [=====] - 0s 98ms/step
>9721, dr[0.827,0.453], df[0.672,0.019], g[0.885,0.026]
1/1 [=====] - 0s 94ms/step
>9722, dr[0.681,0.379], df[0.680,0.023], g[0.827,0.030]
1/1 [=====] - 0s 93ms/step
>9723, dr[0.640,0.371], df[0.739,0.015], g[0.887,0.025]
1/1 [=====] - 0s 130ms/step
>9724, dr[0.703,0.467], df[0.587,0.032], g[0.868,0.029]
1/1 [=====] - 0s 143ms/step
>9725, dr[0.853,0.561], df[0.731,0.029], g[0.802,0.021]
1/1 [=====] - 0s 154ms/step
>9726, dr[0.650,0.653], df[0.692,0.017], g[0.740,0.027]
1/1 [=====] - 0s 181ms/step
>9727, dr[0.641,0.434], df[0.663,0.012], g[0.802,0.044]
1/1 [=====] - 0s 106ms/step
>9728, dr[0.641,0.451], df[0.774,0.040], g[0.764,0.028]
1/1 [=====] - 0s 102ms/step
>9729, dr[0.714,0.294], df[0.668,0.033], g[0.773,0.048]
1/1 [=====] - 0s 105ms/step
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>9730, dr[0.706,0.723], df[0.747,0.031], g[0.833,0.024]
1/1 [=====] - 0s 88ms/step
>9731, dr[0.619,0.299], df[0.676,0.038], g[0.859,0.094]
1/1 [=====] - 0s 82ms/step
>9732, dr[0.641,0.392], df[0.756,0.029], g[0.843,0.028]
1/1 [=====] - 0s 86ms/step
>9733, dr[0.622,0.234], df[0.611,0.031], g[0.896,0.023]
1/1 [=====] - 0s 83ms/step
>9734, dr[0.800,0.676], df[0.657,0.018], g[0.878,0.094]
1/1 [=====] - 0s 86ms/step
>9735, dr[0.630,0.278], df[0.757,0.023], g[0.822,0.016]
1/1 [=====] - 0s 83ms/step
>9736, dr[0.721,0.758], df[0.715,0.023], g[0.889,0.011]
1/1 [=====] - 0s 92ms/step
>9737, dr[0.655,0.400], df[0.672,0.022], g[0.819,0.022]
1/1 [=====] - 0s 84ms/step
>9738, dr[0.749,0.256], df[0.680,0.029], g[0.815,0.176]
1/1 [=====] - 0s 81ms/step
>9739, dr[0.643,0.454], df[0.760,0.033], g[0.851,0.022]
1/1 [=====] - 0s 85ms/step
>9740, dr[0.650,0.665], df[0.664,0.014], g[0.832,0.064]
1/1 [=====] - 0s 104ms/step
>9741, dr[0.675,0.887], df[0.679,0.052], g[0.865,0.020]
1/1 [=====] - 0s 97ms/step
>9742, dr[0.692,0.614], df[0.771,0.024], g[0.816,0.038]
1/1 [=====] - 0s 89ms/step
>9743, dr[0.655,0.447], df[0.658,0.035], g[0.743,0.037]
1/1 [=====] - 0s 94ms/step
>9744, dr[0.687,0.706], df[0.813,0.027], g[0.836,0.016]
1/1 [=====] - 0s 84ms/step
>9745, dr[0.601,0.622], df[0.673,0.026], g[0.929,0.020]
1/1 [=====] - 0s 89ms/step
>9746, dr[0.742,0.262], df[0.666,0.044], g[0.847,0.037]
1/1 [=====] - 0s 83ms/step
>9747, dr[0.687,0.561], df[0.670,0.023], g[0.833,0.024]
1/1 [=====] - 0s 87ms/step
>9748, dr[0.718,0.494], df[0.644,0.015], g[0.858,0.037]
1/1 [=====] - 0s 86ms/step
>9749, dr[0.831,0.867], df[0.695,0.035], g[0.726,0.041]
1/1 [=====] - 0s 81ms/step
>9750, dr[0.760,0.542], df[0.691,0.035], g[0.900,0.029]
1/1 [=====] - 0s 80ms/step
>9751, dr[0.646,0.429], df[0.684,0.030], g[0.731,0.024]
1/1 [=====] - 0s 79ms/step
>9752, dr[0.608,0.618], df[0.753,0.036], g[0.749,0.032]
1/1 [=====] - 0s 92ms/step
>9753, dr[0.739,0.262], df[0.638,0.048], g[0.818,0.043]
1/1 [=====] - 0s 82ms/step
>9754, dr[0.676,0.264], df[0.742,0.035], g[0.869,0.018]
1/1 [=====] - 0s 79ms/step
>9755, dr[0.659,0.591], df[0.691,0.013], g[0.825,0.030]
1/1 [=====] - 0s 83ms/step
>9756, dr[0.764,0.526], df[0.779,0.042], g[0.788,0.045]
1/1 [=====] - 0s 86ms/step
>9757, dr[0.699,0.640], df[0.693,0.021], g[0.855,0.045]
1/1 [=====] - 0s 80ms/step
>9758, dr[0.580,0.285], df[0.732,0.021], g[0.886,0.021]
1/1 [=====] - 0s 79ms/step
>9759, dr[0.706,0.667], df[0.802,0.019], g[0.872,0.021]
1/1 [=====] - 0s 87ms/step
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>9760, dr[0.712,0.613], df[0.686,0.018], g[0.843,0.024]
1/1 [=====] - 0s 83ms/step
>9761, dr[0.706,1.017], df[0.720,0.035], g[0.912,0.035]
1/1 [=====] - 0s 92ms/step
>9762, dr[0.658,0.504], df[0.684,0.032], g[0.873,0.031]
1/1 [=====] - 0s 92ms/step
>9763, dr[0.596,0.221], df[0.757,0.041], g[0.850,0.034]
1/1 [=====] - 0s 88ms/step
>9764, dr[0.622,0.467], df[0.675,0.052], g[0.836,0.028]
1/1 [=====] - 0s 80ms/step
>9765, dr[0.668,0.278], df[0.743,0.019], g[0.845,0.025]
1/1 [=====] - 0s 94ms/step
>9766, dr[0.653,0.676], df[0.628,0.021], g[0.830,0.047]
1/1 [=====] - 0s 113ms/step
>9767, dr[0.770,0.324], df[0.645,0.016], g[0.878,0.019]
1/1 [=====] - 0s 122ms/step
>9768, dr[0.799,0.549], df[0.859,0.015], g[0.831,0.034]
1/1 [=====] - 0s 120ms/step
>9769, dr[0.727,0.497], df[0.652,0.022], g[0.804,0.032]
1/1 [=====] - 0s 112ms/step
>9770, dr[0.745,0.279], df[0.638,0.016], g[0.801,0.038]
1/1 [=====] - 0s 91ms/step
>9771, dr[0.760,0.313], df[0.626,0.015], g[0.971,0.027]
1/1 [=====] - 0s 105ms/step
>9772, dr[0.699,0.347], df[0.718,0.018], g[0.842,0.036]
1/1 [=====] - 0s 128ms/step
>9773, dr[0.660,0.319], df[0.705,0.024], g[0.785,0.031]
1/1 [=====] - 0s 97ms/step
>9774, dr[0.676,0.552], df[0.718,0.020], g[0.777,0.029]
1/1 [=====] - 0s 92ms/step
>9775, dr[0.647,0.735], df[0.678,0.037], g[0.889,0.024]
1/1 [=====] - 0s 94ms/step
>9776, dr[0.796,0.460], df[0.560,0.049], g[0.761,0.034]
1/1 [=====] - 0s 104ms/step
>9777, dr[0.687,0.701], df[0.737,0.018], g[0.794,0.021]
1/1 [=====] - 0s 150ms/step
>9778, dr[0.638,0.437], df[0.706,0.026], g[0.769,0.023]
1/1 [=====] - 0s 98ms/step
>9779, dr[0.702,0.494], df[0.768,0.028], g[0.856,0.026]
1/1 [=====] - 0s 162ms/step
>9780, dr[0.698,0.499], df[0.729,0.020], g[0.912,0.026]
1/1 [=====] - 0s 137ms/step
>9781, dr[0.616,0.352], df[0.764,0.033], g[0.861,0.035]
1/1 [=====] - 1s 573ms/step
>9782, dr[0.666,0.697], df[0.868,0.046], g[0.852,0.052]
1/1 [=====] - 0s 135ms/step
>9783, dr[0.687,0.167], df[0.662,0.026], g[0.925,0.027]
1/1 [=====] - 0s 224ms/step
>9784, dr[0.720,0.515], df[0.590,0.030], g[0.930,0.023]
1/1 [=====] - 0s 138ms/step
>9785, dr[0.697,0.316], df[0.711,0.035], g[0.877,0.026]
1/1 [=====] - 0s 153ms/step
>9786, dr[0.665,0.412], df[0.730,0.033], g[0.851,0.021]
1/1 [=====] - 0s 115ms/step
>9787, dr[0.819,0.591], df[0.692,0.068], g[0.893,0.048]
1/1 [=====] - 0s 85ms/step
>9788, dr[0.672,0.385], df[0.744,0.025], g[0.835,0.039]
1/1 [=====] - 0s 85ms/step
>9789, dr[0.669,0.457], df[0.668,0.028], g[0.757,0.027]
1/1 [=====] - 0s 89ms/step
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>9790, dr[0.658,0.133], df[0.666,0.033], g[0.887,0.028]
1/1 [=====] - 0s 83ms/step
>9791, dr[0.747,0.256], df[0.718,0.024], g[0.811,0.017]
1/1 [=====] - 0s 82ms/step
>9792, dr[0.546,0.655], df[0.767,0.027], g[0.886,0.042]
1/1 [=====] - 0s 86ms/step
>9793, dr[0.703,0.382], df[0.719,0.038], g[0.880,0.029]
1/1 [=====] - 0s 87ms/step
>9794, dr[0.693,0.423], df[0.760,0.077], g[0.862,0.038]
1/1 [=====] - 0s 80ms/step
>9795, dr[0.663,0.361], df[0.621,0.060], g[0.799,0.053]
1/1 [=====] - 0s 94ms/step
>9796, dr[0.778,0.375], df[0.750,0.026], g[0.853,0.025]
1/1 [=====] - 0s 83ms/step
>9797, dr[0.644,0.431], df[0.795,0.043], g[0.880,0.037]
1/1 [=====] - 0s 86ms/step
>9798, dr[0.719,0.443], df[0.682,0.026], g[0.881,0.055]
1/1 [=====] - 0s 97ms/step
>9799, dr[0.728,0.594], df[0.685,0.030], g[0.910,0.042]
1/1 [=====] - 0s 83ms/step
>9800, dr[0.711,0.658], df[0.652,0.040], g[0.816,0.035]
1/1 [=====] - 0s 82ms/step
>9801, dr[0.686,0.460], df[0.705,0.030], g[0.841,0.032]
1/1 [=====] - 0s 92ms/step
>9802, dr[0.625,0.220], df[0.668,0.051], g[0.808,0.021]
1/1 [=====] - 0s 82ms/step
>9803, dr[0.690,0.326], df[0.667,0.015], g[0.791,0.024]
1/1 [=====] - 0s 88ms/step
>9804, dr[0.691,0.628], df[0.734,0.014], g[0.840,0.016]
1/1 [=====] - 0s 91ms/step
>9805, dr[0.695,0.616], df[0.754,0.023], g[0.815,0.034]
1/1 [=====] - 0s 86ms/step
>9806, dr[0.746,0.510], df[0.707,0.034], g[0.857,0.023]
1/1 [=====] - 0s 82ms/step
>9807, dr[0.684,0.284], df[0.693,0.034], g[0.866,0.048]
1/1 [=====] - 0s 94ms/step
>9808, dr[0.664,0.545], df[0.808,0.107], g[0.856,0.030]
1/1 [=====] - 0s 82ms/step
>9809, dr[0.673,0.354], df[0.672,0.046], g[0.891,0.026]
1/1 [=====] - 0s 83ms/step
>9810, dr[0.754,0.374], df[0.675,0.022], g[0.798,0.033]
1/1 [=====] - 0s 88ms/step
>9811, dr[0.614,0.398], df[0.710,0.025], g[0.822,0.021]
1/1 [=====] - 0s 83ms/step
>9812, dr[0.648,0.414], df[0.640,0.027], g[0.885,0.026]
1/1 [=====] - 0s 87ms/step
>9813, dr[0.738,0.580], df[0.704,0.020], g[0.860,0.065]
1/1 [=====] - 0s 86ms/step
>9814, dr[0.647,0.260], df[0.792,0.009], g[0.774,0.017]
1/1 [=====] - 0s 99ms/step
>9815, dr[0.721,1.024], df[0.730,0.026], g[0.742,0.043]
1/1 [=====] - 0s 93ms/step
>9816, dr[0.700,0.627], df[0.701,0.022], g[0.751,0.023]
1/1 [=====] - 0s 90ms/step
>9817, dr[0.738,0.501], df[0.695,0.046], g[0.775,0.057]
1/1 [=====] - 0s 82ms/step
>9818, dr[0.626,0.465], df[0.786,0.023], g[0.842,0.040]
1/1 [=====] - 0s 88ms/step
>9819, dr[0.680,1.179], df[0.732,0.040], g[0.842,0.024]
1/1 [=====] - 0s 89ms/step
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>9820, dr[0.657,0.446], df[0.730,0.016], g[0.821,0.021]
1/1 [=====] - 0s 84ms/step
>9821, dr[0.678,0.551], df[0.682,0.018], g[0.825,0.027]
1/1 [=====] - 0s 85ms/step
>9822, dr[0.760,0.544], df[0.759,0.028], g[0.826,0.040]
1/1 [=====] - 0s 86ms/step
>9823, dr[0.630,0.372], df[0.679,0.025], g[0.811,0.022]
1/1 [=====] - 0s 87ms/step
>9824, dr[0.649,0.588], df[0.745,0.019], g[0.788,0.019]
1/1 [=====] - 0s 81ms/step
>9825, dr[0.647,0.184], df[0.696,0.015], g[1.010,0.022]
1/1 [=====] - 0s 87ms/step
>9826, dr[0.680,0.466], df[0.678,0.017], g[0.854,0.012]
1/1 [=====] - 0s 82ms/step
>9827, dr[0.696,0.494], df[0.701,0.029], g[0.844,0.048]
1/1 [=====] - 0s 89ms/step
>9828, dr[0.697,0.329], df[0.649,0.028], g[0.787,0.039]
1/1 [=====] - 0s 84ms/step
>9829, dr[0.652,0.370], df[0.796,0.024], g[0.817,0.041]
1/1 [=====] - 0s 83ms/step
>9830, dr[0.652,0.627], df[0.725,0.024], g[0.852,0.023]
1/1 [=====] - 0s 83ms/step
>9831, dr[0.689,0.395], df[0.648,0.045], g[0.837,0.045]
1/1 [=====] - 0s 81ms/step
>9832, dr[0.719,0.335], df[0.636,0.026], g[0.876,0.029]
1/1 [=====] - 0s 81ms/step
>9833, dr[0.669,0.386], df[0.639,0.021], g[0.820,0.018]
1/1 [=====] - 0s 89ms/step
>9834, dr[0.665,0.353], df[0.696,0.030], g[0.860,0.037]
1/1 [=====] - 0s 83ms/step
>9835, dr[0.634,0.167], df[0.740,0.013], g[0.894,0.025]
1/1 [=====] - 0s 92ms/step
>9836, dr[0.727,0.395], df[0.681,0.014], g[0.878,0.022]
1/1 [=====] - 0s 95ms/step
>9837, dr[0.692,0.636], df[0.713,0.009], g[0.880,0.029]
1/1 [=====] - 0s 83ms/step
>9838, dr[0.672,0.311], df[0.653,0.026], g[0.849,0.034]
1/1 [=====] - 0s 89ms/step
>9839, dr[0.652,0.367], df[0.686,0.020], g[0.776,0.053]
1/1 [=====] - 0s 87ms/step
>9840, dr[0.764,0.423], df[0.685,0.025], g[0.853,0.029]
1/1 [=====] - 0s 80ms/step
>9841, dr[0.716,0.381], df[0.836,0.021], g[0.871,0.021]
1/1 [=====] - 0s 83ms/step
>9842, dr[0.671,0.334], df[0.622,0.021], g[0.858,0.024]
1/1 [=====] - 0s 89ms/step
>9843, dr[0.686,0.358], df[0.699,0.035], g[0.879,0.042]
1/1 [=====] - 0s 82ms/step
>9844, dr[0.690,0.462], df[0.689,0.018], g[0.905,0.024]
1/1 [=====] - 0s 83ms/step
>9845, dr[0.668,0.184], df[0.694,0.022], g[0.897,0.021]
1/1 [=====] - 0s 89ms/step
>9846, dr[0.720,0.468], df[0.669,0.030], g[0.882,0.051]
1/1 [=====] - 0s 82ms/step
>9847, dr[0.657,0.406], df[0.767,0.026], g[0.857,0.053]
1/1 [=====] - 0s 79ms/step
>9848, dr[0.653,0.487], df[0.679,0.026], g[0.813,0.030]
1/1 [=====] - 0s 89ms/step
>9849, dr[0.674,0.234], df[0.775,0.035], g[0.946,0.027]
1/1 [=====] - 0s 82ms/step
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>9850, dr[0.776,0.629], df[0.640,0.024], g[0.846,0.030]
1/1 [=====] - 0s 81ms/step
>9851, dr[0.739,0.844], df[0.709,0.024], g[0.797,0.037]
1/1 [=====] - 0s 88ms/step
>9852, dr[0.577,0.644], df[0.741,0.031], g[0.897,0.034]
1/1 [=====] - 0s 83ms/step
>9853, dr[0.764,0.645], df[0.695,0.025], g[0.932,0.032]
1/1 [=====] - 0s 85ms/step
>9854, dr[0.752,0.119], df[0.649,0.066], g[0.939,0.050]
1/1 [=====] - 0s 106ms/step
>9855, dr[0.651,0.481], df[0.760,0.029], g[0.773,0.027]
1/1 [=====] - 0s 100ms/step
>9856, dr[0.734,0.359], df[0.661,0.029], g[0.826,0.031]
1/1 [=====] - 0s 107ms/step
>9857, dr[0.611,0.412], df[0.793,0.045], g[0.871,0.027]
1/1 [=====] - 0s 84ms/step
>9858, dr[0.749,0.306], df[0.764,0.021], g[0.856,0.038]
1/1 [=====] - 0s 86ms/step
>9859, dr[0.704,0.372], df[0.712,0.039], g[0.836,0.050]
1/1 [=====] - 0s 83ms/step
>9860, dr[0.767,0.720], df[0.701,0.041], g[0.886,0.020]
1/1 [=====] - 0s 97ms/step
>9861, dr[0.729,0.236], df[0.736,0.015], g[0.794,0.048]
1/1 [=====] - 0s 86ms/step
>9862, dr[0.732,0.378], df[0.710,0.019], g[0.885,0.019]
1/1 [=====] - 0s 83ms/step
>9863, dr[0.677,0.515], df[0.836,0.027], g[0.780,0.017]
1/1 [=====] - 0s 83ms/step
>9864, dr[0.706,0.761], df[0.641,0.080], g[0.832,0.030]
1/1 [=====] - 0s 82ms/step
>9865, dr[0.641,0.451], df[0.783,0.032], g[0.848,0.031]
1/1 [=====] - 0s 83ms/step
>9866, dr[0.711,0.606], df[0.666,0.043], g[0.814,0.109]
1/1 [=====] - 0s 85ms/step
>9867, dr[0.706,0.431], df[0.757,0.048], g[0.897,0.017]
1/1 [=====] - 0s 83ms/step
>9868, dr[0.643,0.176], df[0.696,0.030], g[0.881,0.037]
1/1 [=====] - 0s 84ms/step
>9869, dr[0.671,0.382], df[0.720,0.032], g[0.848,0.028]
1/1 [=====] - 0s 84ms/step
>9870, dr[0.680,0.656], df[0.710,0.046], g[0.868,0.037]
1/1 [=====] - 0s 89ms/step
>9871, dr[0.701,0.778], df[0.712,0.051], g[0.887,0.024]
1/1 [=====] - 0s 97ms/step
>9872, dr[0.712,0.390], df[0.653,0.018], g[0.825,0.046]
1/1 [=====] - 0s 89ms/step
>9873, dr[0.745,0.743], df[0.614,0.068], g[0.873,0.041]
1/1 [=====] - 0s 95ms/step
>9874, dr[0.719,0.553], df[0.749,0.014], g[0.841,0.021]
1/1 [=====] - 0s 114ms/step
>9875, dr[0.759,0.471], df[0.756,0.025], g[0.830,0.030]
1/1 [=====] - 0s 85ms/step
>9876, dr[0.634,0.342], df[0.733,0.044], g[0.903,0.019]
1/1 [=====] - 0s 91ms/step
>9877, dr[0.761,0.445], df[0.788,0.030], g[0.761,0.021]
1/1 [=====] - 0s 83ms/step
>9878, dr[0.699,0.941], df[0.691,0.011], g[0.819,0.018]
1/1 [=====] - 0s 85ms/step
>9879, dr[0.663,0.457], df[0.766,0.021], g[0.924,0.021]
1/1 [=====] - 0s 97ms/step
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>9880, dr[0.865,0.247], df[0.668,0.034], g[0.874,0.015]
1/1 [=====] - 0s 83ms/step
>9881, dr[0.679,0.471], df[0.612,0.021], g[0.761,0.024]
1/1 [=====] - 0s 84ms/step
>9882, dr[0.722,0.303], df[0.613,0.016], g[0.771,0.037]
1/1 [=====] - 0s 115ms/step
>9883, dr[0.668,0.312], df[0.662,0.025], g[0.743,0.026]
1/1 [=====] - 0s 96ms/step
>9884, dr[0.707,0.779], df[0.843,0.045], g[0.718,0.030]
1/1 [=====] - 0s 84ms/step
>9885, dr[0.719,0.345], df[0.723,0.013], g[0.813,0.015]
1/1 [=====] - 0s 87ms/step
>9886, dr[0.575,0.479], df[0.756,0.016], g[0.857,0.023]
1/1 [=====] - 0s 88ms/step
>9887, dr[0.657,0.776], df[0.683,0.087], g[0.914,0.019]
1/1 [=====] - 0s 88ms/step
>9888, dr[0.666,0.500], df[0.714,0.058], g[0.807,0.045]
1/1 [=====] - 0s 84ms/step
>9889, dr[0.728,0.229], df[0.694,0.067], g[0.825,0.018]
1/1 [=====] - 0s 93ms/step
>9890, dr[0.657,0.446], df[0.581,0.012], g[0.828,0.031]
1/1 [=====] - 0s 96ms/step
>9891, dr[0.735,0.353], df[0.703,0.022], g[0.775,0.025]
1/1 [=====] - 0s 102ms/step
>9892, dr[0.579,0.312], df[0.697,0.012], g[0.792,0.028]
1/1 [=====] - 0s 87ms/step
>9893, dr[0.816,0.591], df[0.649,0.062], g[0.809,0.024]
1/1 [=====] - 0s 108ms/step
>9894, dr[0.673,0.750], df[0.816,0.026], g[0.750,0.027]
1/1 [=====] - 0s 91ms/step
>9895, dr[0.613,0.409], df[0.738,0.019], g[0.869,0.033]
1/1 [=====] - 0s 90ms/step
>9896, dr[0.648,0.254], df[0.684,0.047], g[0.798,0.028]
1/1 [=====] - 0s 96ms/step
>9897, dr[0.580,0.294], df[0.630,0.032], g[0.881,0.044]
1/1 [=====] - 0s 105ms/step
>9898, dr[0.743,0.526], df[0.693,0.032], g[0.817,0.028]
1/1 [=====] - 0s 85ms/step
>9899, dr[0.661,0.361], df[0.752,0.048], g[0.818,0.028]
1/1 [=====] - 0s 90ms/step
>9900, dr[0.704,0.536], df[0.761,0.021], g[0.820,0.035]
1/1 [=====] - 0s 86ms/step
>9901, dr[0.663,0.366], df[0.638,0.043], g[0.828,0.028]
1/1 [=====] - 0s 87ms/step
>9902, dr[0.640,0.328], df[0.658,0.035], g[0.909,0.026]
1/1 [=====] - 0s 89ms/step
>9903, dr[0.730,0.787], df[0.717,0.019], g[0.839,0.018]
1/1 [=====] - 0s 111ms/step
>9904, dr[0.669,0.283], df[0.692,0.018], g[0.893,0.027]
1/1 [=====] - 0s 85ms/step
>9905, dr[0.687,0.491], df[0.646,0.050], g[0.902,0.023]
1/1 [=====] - 0s 96ms/step
>9906, dr[0.675,0.607], df[0.651,0.031], g[0.791,0.072]
1/1 [=====] - 0s 103ms/step
>9907, dr[0.735,0.629], df[0.724,0.017], g[0.867,0.041]
1/1 [=====] - 0s 89ms/step
>9908, dr[0.731,0.542], df[0.690,0.020], g[0.901,0.038]
1/1 [=====] - 0s 90ms/step
>9909, dr[0.684,0.249], df[0.760,0.052], g[0.828,0.034]
1/1 [=====] - 0s 114ms/step
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>9910, dr[0.731,0.152], df[0.637,0.034], g[0.806,0.019]
1/1 [=====] - 0s 87ms/step
>9911, dr[0.620,0.382], df[0.726,0.023], g[0.805,0.023]
1/1 [=====] - 0s 84ms/step
>9912, dr[0.723,0.596], df[0.619,0.045], g[0.836,0.033]
1/1 [=====] - 0s 90ms/step
>9913, dr[0.668,0.605], df[0.695,0.025], g[0.914,0.028]
1/1 [=====] - 0s 98ms/step
>9914, dr[0.667,0.644], df[0.720,0.038], g[0.902,0.026]
1/1 [=====] - 0s 82ms/step
>9915, dr[0.682,0.180], df[0.743,0.036], g[0.839,0.026]
1/1 [=====] - 0s 90ms/step
>9916, dr[0.613,0.883], df[0.597,0.020], g[0.858,0.030]
1/1 [=====] - 0s 92ms/step
>9917, dr[0.625,0.430], df[0.688,0.020], g[0.779,0.029]
1/1 [=====] - 0s 92ms/step
>9918, dr[0.774,0.525], df[0.758,0.024], g[0.856,0.036]
1/1 [=====] - 0s 87ms/step
>9919, dr[0.747,0.527], df[0.687,0.042], g[0.862,0.024]
1/1 [=====] - 0s 93ms/step
>9920, dr[0.756,0.577], df[0.706,0.018], g[0.850,0.033]
1/1 [=====] - 0s 90ms/step
>9921, dr[0.708,0.501], df[0.723,0.018], g[0.836,0.038]
1/1 [=====] - 0s 85ms/step
>9922, dr[0.614,0.501], df[0.625,0.028], g[0.783,0.023]
1/1 [=====] - 0s 88ms/step
>9923, dr[0.660,0.506], df[0.778,0.029], g[0.754,0.044]
1/1 [=====] - 0s 83ms/step
>9924, dr[0.708,0.474], df[0.741,0.016], g[0.759,0.045]
1/1 [=====] - 0s 86ms/step
>9925, dr[0.593,0.451], df[0.914,0.025], g[0.886,0.017]
1/1 [=====] - 0s 87ms/step
>9926, dr[0.683,0.502], df[0.703,0.038], g[0.920,0.044]
1/1 [=====] - 0s 84ms/step
>9927, dr[0.821,0.467], df[0.660,0.013], g[0.804,0.030]
1/1 [=====] - 0s 86ms/step
>9928, dr[0.673,0.382], df[0.694,0.030], g[0.879,0.023]
1/1 [=====] - 0s 101ms/step
>9929, dr[0.702,0.515], df[0.705,0.014], g[0.863,0.064]
1/1 [=====] - 0s 94ms/step
>9930, dr[0.671,0.423], df[0.709,0.018], g[0.863,0.022]
1/1 [=====] - 0s 108ms/step
>9931, dr[0.602,0.686], df[0.621,0.010], g[0.823,0.063]
1/1 [=====] - 0s 110ms/step
>9932, dr[0.708,0.580], df[0.601,0.017], g[0.810,0.037]
1/1 [=====] - 0s 108ms/step
>9933, dr[0.807,0.346], df[0.741,0.021], g[0.788,0.029]
1/1 [=====] - 0s 110ms/step
>9934, dr[0.567,0.340], df[0.854,0.032], g[0.818,0.021]
1/1 [=====] - 0s 135ms/step
>9935, dr[0.738,0.617], df[0.775,0.015], g[0.841,0.039]
1/1 [=====] - 0s 158ms/step
>9936, dr[0.576,0.423], df[0.637,0.042], g[0.885,0.032]
1/1 [=====] - 0s 103ms/step
>9937, dr[0.619,0.739], df[0.703,0.058], g[0.875,0.039]
1/1 [=====] - 0s 131ms/step
>9938, dr[0.632,0.611], df[0.603,0.041], g[0.830,0.022]
1/1 [=====] - 0s 120ms/step
>9939, dr[0.577,0.469], df[0.630,0.051], g[0.853,0.021]
1/1 [=====] - 0s 146ms/step
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>9940, dr[0.666,0.483], df[0.771,0.021], g[0.890,0.045]
1/1 [=====] - 0s 97ms/step
>9941, dr[0.696,0.702], df[0.574,0.016], g[0.833,0.053]
1/1 [=====] - 0s 94ms/step
>9942, dr[0.712,0.394], df[0.740,0.021], g[0.880,0.023]
1/1 [=====] - 0s 103ms/step
>9943, dr[0.756,0.612], df[0.725,0.024], g[0.781,0.027]
1/1 [=====] - 0s 98ms/step
>9944, dr[0.612,0.233], df[0.692,0.022], g[0.844,0.019]
1/1 [=====] - 0s 87ms/step
>9945, dr[0.743,1.266], df[0.725,0.035], g[0.733,0.046]
1/1 [=====] - 0s 89ms/step
>9946, dr[0.639,0.199], df[0.735,0.076], g[0.846,0.044]
1/1 [=====] - 0s 92ms/step
>9947, dr[0.592,0.290], df[0.650,0.042], g[0.841,0.020]
1/1 [=====] - 0s 85ms/step
>9948, dr[0.724,0.528], df[0.616,0.024], g[0.717,0.047]
1/1 [=====] - 0s 107ms/step
>9949, dr[0.596,0.448], df[0.619,0.033], g[0.776,0.031]
1/1 [=====] - 0s 101ms/step
>9950, dr[0.743,0.713], df[0.806,0.035], g[0.784,0.025]
1/1 [=====] - 0s 91ms/step
>9951, dr[0.694,0.511], df[0.670,0.033], g[0.757,0.044]
1/1 [=====] - 0s 99ms/step
>9952, dr[0.614,0.518], df[0.694,0.061], g[0.859,0.050]
1/1 [=====] - 0s 95ms/step
>9953, dr[0.672,0.587], df[0.814,0.038], g[0.844,0.039]
1/1 [=====] - 0s 92ms/step
>9954, dr[0.642,0.308], df[0.681,0.107], g[0.848,0.045]
1/1 [=====] - 0s 87ms/step
>9955, dr[0.711,0.520], df[0.639,0.025], g[0.816,0.032]
1/1 [=====] - 0s 97ms/step
>9956, dr[0.802,0.297], df[0.686,0.022], g[0.841,0.067]
1/1 [=====] - 0s 81ms/step
>9957, dr[0.645,0.786], df[0.670,0.052], g[0.868,0.038]
1/1 [=====] - 0s 84ms/step
>9958, dr[0.813,0.513], df[0.765,0.041], g[0.780,0.045]
1/1 [=====] - 0s 91ms/step
>9959, dr[0.555,0.577], df[0.749,0.040], g[0.768,0.040]
1/1 [=====] - 0s 84ms/step
>9960, dr[0.805,0.363], df[0.722,0.029], g[0.894,0.048]
1/1 [=====] - 0s 86ms/step
>9961, dr[0.785,0.396], df[0.666,0.016], g[0.848,0.049]
1/1 [=====] - 0s 81ms/step
>9962, dr[0.650,0.598], df[0.648,0.066], g[0.892,0.030]
1/1 [=====] - 0s 87ms/step
>9963, dr[0.748,1.119], df[0.642,0.011], g[0.744,0.023]
1/1 [=====] - 0s 94ms/step
>9964, dr[0.554,0.444], df[0.632,0.027], g[0.798,0.061]
1/1 [=====] - 0s 84ms/step
>9965, dr[0.574,0.609], df[0.623,0.035], g[0.774,0.037]
1/1 [=====] - 0s 98ms/step
>9966, dr[0.658,0.385], df[0.762,0.027], g[0.823,0.027]
1/1 [=====] - 0s 185ms/step
>9967, dr[0.764,0.578], df[0.695,0.027], g[0.802,0.025]
1/1 [=====] - 0s 86ms/step
>9968, dr[0.620,0.418], df[0.799,0.031], g[0.859,0.040]
1/1 [=====] - 0s 80ms/step
>9969, dr[0.690,0.666], df[0.702,0.031], g[0.823,0.019]
1/1 [=====] - 0s 86ms/step
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>9970, dr[0.630,0.639], df[0.645,0.041], g[0.921,0.028]
1/1 [=====] - 0s 92ms/step
>9971, dr[0.729,0.327], df[0.708,0.014], g[0.875,0.035]
1/1 [=====] - 0s 102ms/step
>9972, dr[0.650,0.703], df[0.813,0.029], g[0.853,0.057]
1/1 [=====] - 0s 107ms/step
>9973, dr[0.663,0.676], df[0.747,0.019], g[0.830,0.067]
1/1 [=====] - 0s 116ms/step
>9974, dr[0.695,0.413], df[0.629,0.033], g[0.834,0.048]
1/1 [=====] - 0s 97ms/step
>9975, dr[0.712,0.727], df[0.685,0.031], g[0.831,0.023]
1/1 [=====] - 0s 104ms/step
>9976, dr[0.715,0.401], df[0.691,0.032], g[0.887,0.051]
1/1 [=====] - 0s 104ms/step
>9977, dr[0.663,0.436], df[0.805,0.043], g[0.800,0.050]
1/1 [=====] - 0s 113ms/step
>9978, dr[0.695,0.581], df[0.761,0.024], g[0.899,0.020]
1/1 [=====] - 0s 94ms/step
>9979, dr[0.688,0.296], df[0.661,0.049], g[0.913,0.066]
1/1 [=====] - 0s 102ms/step
>9980, dr[0.697,0.263], df[0.740,0.028], g[0.847,0.047]
1/1 [=====] - 0s 97ms/step
>9981, dr[0.710,0.552], df[0.625,0.062], g[0.784,0.035]
1/1 [=====] - 0s 118ms/step
>9982, dr[0.713,0.256], df[0.705,0.014], g[0.782,0.046]
1/1 [=====] - 0s 98ms/step
>9983, dr[0.737,0.628], df[0.666,0.015], g[0.788,0.025]
1/1 [=====] - 0s 106ms/step
>9984, dr[0.706,0.315], df[0.706,0.019], g[0.764,0.038]
1/1 [=====] - 0s 109ms/step
>9985, dr[0.672,0.413], df[0.671,0.020], g[0.800,0.027]
1/1 [=====] - 0s 109ms/step
>9986, dr[0.730,0.589], df[0.639,0.020], g[0.814,0.045]
1/1 [=====] - 0s 79ms/step
>9987, dr[0.666,0.313], df[0.835,0.033], g[0.784,0.045]
1/1 [=====] - 0s 83ms/step
>9988, dr[0.640,0.358], df[0.585,0.016], g[0.854,0.013]
1/1 [=====] - 0s 83ms/step
>9989, dr[0.697,0.235], df[0.729,0.016], g[0.903,0.017]
1/1 [=====] - 0s 80ms/step
>9990, dr[0.602,0.717], df[0.652,0.038], g[0.800,0.022]
1/1 [=====] - 0s 85ms/step
>9991, dr[0.734,0.331], df[0.746,0.023], g[0.848,0.023]
1/1 [=====] - 0s 99ms/step
>9992, dr[0.654,0.449], df[0.702,0.025], g[0.844,0.024]
1/1 [=====] - 0s 79ms/step
>9993, dr[0.684,0.271], df[0.698,0.052], g[0.834,0.017]
1/1 [=====] - 0s 79ms/step
>9994, dr[0.728,0.255], df[0.717,0.050], g[0.855,0.031]
1/1 [=====] - 0s 88ms/step
>9995, dr[0.712,0.439], df[0.693,0.048], g[0.822,0.049]
1/1 [=====] - 0s 83ms/step
>9996, dr[0.695,0.761], df[0.726,0.053], g[0.849,0.029]
1/1 [=====] - 0s 80ms/step
>9997, dr[0.636,0.382], df[0.637,0.033], g[0.919,0.021]
1/1 [=====] - 0s 79ms/step
>9998, dr[0.621,0.482], df[0.691,0.021], g[0.814,0.036]
1/1 [=====] - 0s 81ms/step
>9999, dr[0.728,0.720], df[0.834,0.023], g[0.764,0.042]
1/1 [=====] - 0s 81ms/step
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>10000, dr[0.615,0.325], df[0.677,0.026], g[0.804,0.033]
1/1 [=====] - 0s 79ms/step
>10001, dr[0.730,0.506], df[0.653,0.049], g[0.892,0.031]
1/1 [=====] - 0s 79ms/step
>10002, dr[0.667,0.312], df[0.732,0.015], g[0.845,0.046]
1/1 [=====] - 0s 87ms/step
>10003, dr[0.722,0.465], df[0.654,0.024], g[0.845,0.047]
1/1 [=====] - 0s 80ms/step
>10004, dr[0.646,0.322], df[0.718,0.031], g[0.843,0.024]
1/1 [=====] - 0s 78ms/step
>10005, dr[0.645,0.385], df[0.680,0.026], g[0.761,0.021]
1/1 [=====] - 0s 88ms/step
>10006, dr[0.609,0.333], df[0.753,0.017], g[0.910,0.022]
1/1 [=====] - 0s 82ms/step
>10007, dr[0.781,0.427], df[0.633,0.017], g[0.888,0.038]
1/1 [=====] - 0s 83ms/step
>10008, dr[0.700,0.648], df[0.664,0.022], g[0.778,0.038]
1/1 [=====] - 0s 86ms/step
>10009, dr[0.673,0.373], df[0.722,0.063], g[0.834,0.053]
1/1 [=====] - 0s 81ms/step
>10010, dr[0.687,0.627], df[0.714,0.033], g[0.867,0.039]
1/1 [=====] - 0s 83ms/step
>10011, dr[0.839,0.581], df[0.810,0.018], g[0.794,0.023]
1/1 [=====] - 0s 79ms/step
>10012, dr[0.737,0.526], df[0.754,0.045], g[0.833,0.015]
1/1 [=====] - 0s 80ms/step
>10013, dr[0.597,0.738], df[0.690,0.034], g[0.896,0.027]
1/1 [=====] - 0s 90ms/step
>10014, dr[0.728,0.428], df[0.659,0.015], g[0.814,0.035]
1/1 [=====] - 0s 81ms/step
>10015, dr[0.646,0.878], df[0.667,0.016], g[0.840,0.043]
1/1 [=====] - 0s 80ms/step
>10016, dr[0.699,0.475], df[0.653,0.066], g[0.950,0.029]
1/1 [=====] - 0s 88ms/step
>10017, dr[0.682,0.477], df[0.739,0.036], g[0.838,0.043]
1/1 [=====] - 0s 81ms/step
>10018, dr[0.665,0.353], df[0.675,0.049], g[0.858,0.022]
1/1 [=====] - 0s 84ms/step
>10019, dr[0.727,0.576], df[0.748,0.025], g[0.823,0.029]
1/1 [=====] - 0s 87ms/step
>10020, dr[0.703,0.550], df[0.674,0.015], g[0.848,0.032]
1/1 [=====] - 0s 79ms/step
>10021, dr[0.642,0.869], df[0.761,0.035], g[0.855,0.024]
1/1 [=====] - 0s 85ms/step
>10022, dr[0.760,0.488], df[0.773,0.026], g[0.800,0.020]
1/1 [=====] - 0s 88ms/step
>10023, dr[0.640,0.530], df[0.641,0.016], g[0.773,0.033]
1/1 [=====] - 0s 83ms/step
>10024, dr[0.745,0.475], df[0.674,0.015], g[0.819,0.057]
1/1 [=====] - 0s 80ms/step
>10025, dr[0.734,0.360], df[0.674,0.023], g[0.846,0.039]
1/1 [=====] - 0s 88ms/step
>10026, dr[0.738,0.444], df[0.683,0.074], g[0.784,0.034]
1/1 [=====] - 0s 79ms/step
>10027, dr[0.603,0.509], df[0.743,0.037], g[0.814,0.036]
1/1 [=====] - 0s 89ms/step
>10028, dr[0.663,0.410], df[0.648,0.013], g[0.779,0.059]
1/1 [=====] - 0s 84ms/step
>10029, dr[0.664,0.450], df[0.708,0.072], g[0.798,0.026]
1/1 [=====] - 0s 83ms/step
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>10030, dr[0.662,1.010], df[0.658,0.029], g[0.818,0.041]
1/1 [=====] - 0s 95ms/step
>10031, dr[0.577,0.595], df[0.645,0.029], g[0.811,0.099]
1/1 [=====] - 0s 84ms/step
>10032, dr[0.642,0.759], df[0.710,0.026], g[0.797,0.056]
1/1 [=====] - 0s 80ms/step
>10033, dr[0.635,0.263], df[0.798,0.048], g[0.886,0.032]
1/1 [=====] - 0s 91ms/step
>10034, dr[0.750,0.393], df[0.690,0.035], g[0.858,0.034]
1/1 [=====] - 0s 80ms/step
>10035, dr[0.771,0.588], df[0.742,0.030], g[0.959,0.020]
1/1 [=====] - 0s 80ms/step
>10036, dr[0.579,0.360], df[0.665,0.023], g[0.911,0.021]
1/1 [=====] - 0s 91ms/step
>10037, dr[0.671,0.386], df[0.711,0.049], g[0.874,0.035]
1/1 [=====] - 0s 83ms/step
>10038, dr[0.607,0.350], df[0.731,0.064], g[0.875,0.031]
1/1 [=====] - 0s 80ms/step
>10039, dr[0.706,0.487], df[0.588,0.018], g[0.801,0.024]
1/1 [=====] - 0s 84ms/step
>10040, dr[0.758,0.692], df[0.681,0.025], g[0.906,0.033]
1/1 [=====] - 0s 80ms/step
>10041, dr[0.671,0.500], df[0.638,0.054], g[0.776,0.029]
1/1 [=====] - 0s 93ms/step
>10042, dr[0.717,0.278], df[0.645,0.020], g[0.858,0.028]
1/1 [=====] - 0s 83ms/step
>10043, dr[0.792,0.603], df[0.743,0.108], g[0.810,0.041]
1/1 [=====] - 0s 80ms/step
>10044, dr[0.677,0.402], df[0.662,0.041], g[0.772,0.027]
1/1 [=====] - 0s 84ms/step
>10045, dr[0.638,0.394], df[0.682,0.025], g[0.770,0.024]
1/1 [=====] - 0s 79ms/step
>10046, dr[0.632,0.521], df[0.614,0.055], g[0.872,0.039]
1/1 [=====] - 0s 86ms/step
>10047, dr[0.710,0.351], df[0.731,0.029], g[0.803,0.020]
1/1 [=====] - 0s 86ms/step
>10048, dr[0.632,0.306], df[0.743,0.060], g[0.825,0.029]
1/1 [=====] - 0s 81ms/step
>10049, dr[0.665,0.384], df[0.645,0.029], g[0.739,0.047]
1/1 [=====] - 0s 83ms/step
>10050, dr[0.688,0.787], df[0.719,0.017], g[0.766,0.030]
1/1 [=====] - 0s 87ms/step
>10051, dr[0.700,0.600], df[0.665,0.030], g[0.762,0.032]
1/1 [=====] - 0s 82ms/step
>10052, dr[0.675,0.511], df[0.760,0.018], g[0.872,0.037]
1/1 [=====] - 0s 79ms/step
>10053, dr[0.627,0.422], df[0.693,0.041], g[0.785,0.044]
1/1 [=====] - 0s 85ms/step
>10054, dr[0.704,0.266], df[0.771,0.023], g[0.834,0.051]
1/1 [=====] - 0s 80ms/step
>10055, dr[0.783,0.571], df[0.782,0.027], g[0.839,0.021]
1/1 [=====] - 0s 83ms/step
>10056, dr[0.690,0.585], df[0.624,0.018], g[0.889,0.025]
1/1 [=====] - 0s 80ms/step
>10057, dr[0.607,0.393], df[0.762,0.037], g[0.891,0.027]
1/1 [=====] - 0s 82ms/step
>10058, dr[0.767,0.349], df[0.721,0.032], g[0.828,0.027]
1/1 [=====] - 0s 80ms/step
>10059, dr[0.692,0.295], df[0.630,0.014], g[0.775,0.035]
1/1 [=====] - 0s 97ms/step
```

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>10060, dr[0.772,0.559], df[0.716,0.019], g[0.769,0.023]
1/1 [=====] - 0s 80ms/step
>10061, dr[0.635,0.352], df[0.730,0.022], g[0.807,0.033]
1/1 [=====] - 0s 81ms/step
>10062, dr[0.611,0.511], df[0.687,0.027], g[0.750,0.028]
1/1 [=====] - 0s 82ms/step
>10063, dr[0.652,0.592], df[0.708,0.020], g[0.767,0.023]
1/1 [=====] - 0s 81ms/step
>10064, dr[0.701,0.588], df[0.661,0.051], g[0.843,0.049]
1/1 [=====] - 0s 91ms/step
>10065, dr[0.676,0.291], df[0.674,0.010], g[0.837,0.021]
1/1 [=====] - 0s 87ms/step
>10066, dr[0.660,0.223], df[0.694,0.022], g[0.896,0.032]
1/1 [=====] - 0s 85ms/step
>10067, dr[0.636,0.451], df[0.741,0.029], g[0.801,0.030]
1/1 [=====] - 0s 82ms/step
>10068, dr[0.600,0.530], df[0.718,0.051], g[0.912,0.022]
1/1 [=====] - 0s 86ms/step
>10069, dr[0.668,0.584], df[0.681,0.031], g[0.914,0.046]
1/1 [=====] - 0s 83ms/step
>10070, dr[0.671,0.620], df[0.632,0.027], g[0.851,0.040]
1/1 [=====] - 0s 83ms/step
>10071, dr[0.615,0.453], df[0.650,0.022], g[0.822,0.029]
1/1 [=====] - 0s 88ms/step
>10072, dr[0.706,0.184], df[0.711,0.021], g[0.908,0.066]
1/1 [=====] - 0s 97ms/step
>10073, dr[0.796,0.564], df[0.726,0.017], g[0.794,0.035]
1/1 [=====] - 0s 81ms/step
>10074, dr[0.638,0.346], df[0.795,0.022], g[0.840,0.016]
1/1 [=====] - 0s 86ms/step
>10075, dr[0.670,0.255], df[0.689,0.062], g[0.889,0.030]
1/1 [=====] - 0s 87ms/step
>10076, dr[0.673,0.630], df[0.602,0.033], g[0.842,0.021]
1/1 [=====] - 0s 78ms/step
>10077, dr[0.708,0.373], df[0.680,0.014], g[0.770,0.061]
1/1 [=====] - 0s 93ms/step
>10078, dr[0.691,0.341], df[0.637,0.034], g[0.782,0.021]
1/1 [=====] - 0s 81ms/step
>10079, dr[0.685,0.682], df[0.766,0.019], g[0.816,0.021]
1/1 [=====] - 0s 98ms/step
>10080, dr[0.761,0.468], df[0.763,0.036], g[0.883,0.037]
1/1 [=====] - 0s 87ms/step
>10081, dr[0.738,0.451], df[0.801,0.021], g[0.753,0.032]
1/1 [=====] - 0s 79ms/step
>10082, dr[0.693,0.632], df[0.643,0.026], g[0.839,0.031]
1/1 [=====] - 0s 82ms/step
>10083, dr[0.615,0.370], df[0.617,0.021], g[0.786,0.020]
1/1 [=====] - 0s 98ms/step
>10084, dr[0.702,0.296], df[0.628,0.022], g[0.809,0.033]
1/1 [=====] - 0s 79ms/step
>10085, dr[0.730,0.767], df[0.713,0.035], g[0.672,0.033]
1/1 [=====] - 0s 88ms/step
>10086, dr[0.603,0.556], df[0.703,0.017], g[0.845,0.021]
1/1 [=====] - 0s 87ms/step
>10087, dr[0.629,0.562], df[0.765,0.027], g[0.791,0.020]
1/1 [=====] - 0s 80ms/step
>10088, dr[0.671,0.188], df[0.672,0.108], g[0.834,0.024]
1/1 [=====] - 0s 79ms/step
>10089, dr[0.595,0.271], df[0.677,0.016], g[0.879,0.027]
1/1 [=====] - 0s 86ms/step
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>10090, dr[0.645,0.629], df[0.630,0.036], g[0.777,0.022]
1/1 [=====] - 0s 83ms/step
>10091, dr[0.713,0.838], df[0.687,0.026], g[0.823,0.066]
1/1 [=====] - 0s 96ms/step
>10092, dr[0.680,0.410], df[0.632,0.015], g[0.828,0.022]
1/1 [=====] - 0s 87ms/step
>10093, dr[0.668,0.282], df[0.662,0.029], g[0.904,0.015]
1/1 [=====] - 0s 84ms/step
>10094, dr[0.736,0.398], df[0.744,0.016], g[0.823,0.036]
1/1 [=====] - 0s 85ms/step
>10095, dr[0.652,0.610], df[0.690,0.060], g[0.726,0.031]
1/1 [=====] - 0s 92ms/step
>10096, dr[0.648,0.504], df[0.892,0.025], g[0.874,0.022]
1/1 [=====] - 0s 88ms/step
>10097, dr[0.588,0.467], df[0.742,0.021], g[0.857,0.015]
1/1 [=====] - 0s 86ms/step
>10098, dr[0.826,0.268], df[0.637,0.013], g[0.989,0.022]
1/1 [=====] - 0s 94ms/step
>10099, dr[0.618,0.799], df[0.667,0.046], g[0.873,0.056]
1/1 [=====] - 0s 86ms/step
>10100, dr[0.828,0.503], df[0.722,0.026], g[0.918,0.034]
1/1 [=====] - 0s 85ms/step
>10101, dr[0.729,0.423], df[0.685,0.039], g[0.855,0.039]
1/1 [=====] - 0s 104ms/step
>10102, dr[0.729,0.221], df[0.721,0.057], g[0.811,0.021]
1/1 [=====] - 0s 126ms/step
>10103, dr[0.682,0.332], df[0.679,0.017], g[0.819,0.016]
1/1 [=====] - 0s 111ms/step
>10104, dr[0.698,0.596], df[0.667,0.053], g[0.866,0.029]
1/1 [=====] - 0s 105ms/step
>10105, dr[0.634,0.427], df[0.700,0.039], g[0.816,0.022]
1/1 [=====] - 0s 99ms/step
>10106, dr[0.634,0.184], df[0.739,0.027], g[0.836,0.031]
1/1 [=====] - 0s 110ms/step
>10107, dr[0.731,0.439], df[0.714,0.019], g[0.865,0.032]
1/1 [=====] - 0s 107ms/step
>10108, dr[0.661,0.210], df[0.654,0.051], g[0.871,0.031]
1/1 [=====] - 0s 84ms/step
>10109, dr[0.652,0.313], df[0.696,0.065], g[0.785,0.032]
1/1 [=====] - 0s 81ms/step
>10110, dr[0.765,0.506], df[0.765,0.050], g[0.778,0.029]
1/1 [=====] - 0s 83ms/step
>10111, dr[0.691,0.230], df[0.699,0.023], g[0.827,0.041]
1/1 [=====] - 0s 79ms/step
>10112, dr[0.792,0.450], df[0.717,0.027], g[0.822,0.022]
1/1 [=====] - 0s 82ms/step
>10113, dr[0.721,0.565], df[0.665,0.040], g[0.807,0.030]
1/1 [=====] - 0s 81ms/step
>10114, dr[0.550,0.615], df[0.738,0.061], g[0.789,0.051]
1/1 [=====] - 0s 84ms/step
>10115, dr[0.607,0.391], df[0.703,0.046], g[0.835,0.027]
1/1 [=====] - 0s 80ms/step
>10116, dr[0.718,0.529], df[0.630,0.034], g[0.803,0.019]
1/1 [=====] - 0s 86ms/step
>10117, dr[0.601,0.391], df[0.696,0.025], g[0.916,0.018]
1/1 [=====] - 0s 87ms/step
>10118, dr[0.743,0.612], df[0.680,0.021], g[0.770,0.037]
1/1 [=====] - 0s 85ms/step
>10119, dr[0.574,0.326], df[0.758,0.062], g[0.852,0.061]
1/1 [=====] - 0s 87ms/step
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>10120, dr[0.682,0.413], df[0.689,0.023], g[0.861,0.018]
1/1 [=====] - 0s 80ms/step
>10121, dr[0.725,0.453], df[0.725,0.027], g[0.915,0.022]
1/1 [=====] - 0s 87ms/step
>10122, dr[0.701,0.230], df[0.691,0.028], g[0.864,0.022]
1/1 [=====] - 0s 80ms/step
>10123, dr[0.634,0.392], df[0.793,0.020], g[0.776,0.033]
1/1 [=====] - 0s 80ms/step
>10124, dr[0.688,0.749], df[0.651,0.022], g[0.837,0.047]
1/1 [=====] - 0s 84ms/step
>10125, dr[0.707,0.343], df[0.634,0.037], g[0.818,0.021]
1/1 [=====] - 0s 79ms/step
>10126, dr[0.766,0.915], df[0.658,0.016], g[0.799,0.031]
1/1 [=====] - 0s 80ms/step
>10127, dr[0.743,0.287], df[0.670,0.042], g[0.799,0.036]
1/1 [=====] - 0s 82ms/step
>10128, dr[0.704,0.627], df[0.750,0.025], g[0.724,0.068]
1/1 [=====] - 0s 79ms/step
>10129, dr[0.782,0.485], df[0.759,0.029], g[0.867,0.030]
1/1 [=====] - 0s 85ms/step
>10130, dr[0.594,0.517], df[0.740,0.011], g[0.836,0.052]
1/1 [=====] - 0s 79ms/step
>10131, dr[0.650,0.340], df[0.760,0.036], g[0.808,0.019]
1/1 [=====] - 0s 80ms/step
>10132, dr[0.699,0.546], df[0.763,0.027], g[0.813,0.041]
1/1 [=====] - 0s 89ms/step
>10133, dr[0.626,0.380], df[0.764,0.047], g[0.888,0.025]
1/1 [=====] - 0s 80ms/step
>10134, dr[0.613,0.381], df[0.816,0.030], g[0.875,0.028]
1/1 [=====] - 0s 80ms/step
>10135, dr[0.668,0.631], df[0.609,0.018], g[0.896,0.036]
1/1 [=====] - 0s 87ms/step
>10136, dr[0.699,0.168], df[0.646,0.039], g[0.856,0.015]
1/1 [=====] - 0s 79ms/step
>10137, dr[0.625,0.671], df[0.688,0.015], g[0.754,0.025]
1/1 [=====] - 0s 81ms/step
>10138, dr[0.737,0.329], df[0.695,0.018], g[0.808,0.035]
1/1 [=====] - 0s 84ms/step
>10139, dr[0.743,0.297], df[0.727,0.029], g[0.851,0.030]
1/1 [=====] - 0s 79ms/step
>10140, dr[0.729,0.681], df[0.771,0.020], g[0.833,0.031]
1/1 [=====] - 0s 82ms/step
>10141, dr[0.696,0.231], df[0.714,0.076], g[0.782,0.029]
1/1 [=====] - 0s 83ms/step
>10142, dr[0.676,0.424], df[0.659,0.022], g[0.862,0.032]
1/1 [=====] - 0s 89ms/step
>10143, dr[0.782,0.890], df[0.714,0.020], g[0.752,0.038]
1/1 [=====] - 0s 84ms/step
>10144, dr[0.641,0.385], df[0.683,0.070], g[0.839,0.048]
1/1 [=====] - 0s 86ms/step
>10145, dr[0.629,0.341], df[0.728,0.021], g[0.842,0.044]
1/1 [=====] - 0s 88ms/step
>10146, dr[0.686,0.166], df[0.734,0.017], g[0.806,0.021]
1/1 [=====] - 0s 87ms/step
>10147, dr[0.631,0.638], df[0.728,0.052], g[0.892,0.033]
1/1 [=====] - 0s 100ms/step
>10148, dr[0.665,0.614], df[0.660,0.033], g[0.839,0.051]
1/1 [=====] - 0s 89ms/step
>10149, dr[0.658,0.289], df[0.660,0.035], g[0.823,0.028]
1/1 [=====] - 0s 89ms/step
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>10150, dr[0.621,0.410], df[0.774,0.022], g[0.835,0.049]
1/1 [=====] - 0s 97ms/step
>10151, dr[0.617,0.500], df[0.619,0.026], g[0.894,0.057]
1/1 [=====] - 0s 86ms/step
>10152, dr[0.762,0.297], df[0.579,0.029], g[0.898,0.035]
1/1 [=====] - 0s 83ms/step
>10153, dr[0.580,0.519], df[0.616,0.020], g[0.812,0.033]
1/1 [=====] - 0s 93ms/step
>10154, dr[0.733,0.431], df[0.707,0.017], g[0.820,0.051]
1/1 [=====] - 0s 94ms/step
>10155, dr[0.683,0.466], df[0.687,0.032], g[0.783,0.054]
1/1 [=====] - 0s 86ms/step
>10156, dr[0.685,0.322], df[0.668,0.017], g[0.823,0.025]
1/1 [=====] - 0s 100ms/step
>10157, dr[0.581,0.667], df[0.710,0.039], g[0.880,0.034]
1/1 [=====] - 0s 86ms/step
>10158, dr[0.666,0.196], df[0.707,0.063], g[0.830,0.033]
1/1 [=====] - 0s 112ms/step
>10159, dr[0.694,0.503], df[0.668,0.020], g[0.870,0.020]
1/1 [=====] - 0s 83ms/step
>10160, dr[0.690,0.598], df[0.744,0.009], g[0.871,0.038]
1/1 [=====] - 0s 91ms/step
>10161, dr[0.574,0.501], df[0.743,0.049], g[0.861,0.027]
1/1 [=====] - 0s 81ms/step
>10162, dr[0.701,0.404], df[0.700,0.028], g[0.915,0.039]
1/1 [=====] - 0s 84ms/step
>10163, dr[0.712,0.626], df[0.702,0.018], g[0.880,0.056]
1/1 [=====] - 0s 81ms/step
>10164, dr[0.709,0.477], df[0.681,0.031], g[0.845,0.061]
1/1 [=====] - 0s 83ms/step
>10165, dr[0.690,0.319], df[0.690,0.072], g[0.871,0.043]
1/1 [=====] - 0s 91ms/step
>10166, dr[0.621,0.557], df[0.785,0.039], g[0.852,0.021]
1/1 [=====] - 0s 81ms/step
>10167, dr[0.651,0.412], df[0.692,0.082], g[0.819,0.038]
1/1 [=====] - 0s 87ms/step
>10168, dr[0.655,0.650], df[0.699,0.071], g[0.830,0.029]
1/1 [=====] - 0s 86ms/step
>10169, dr[0.690,0.290], df[0.547,0.033], g[0.882,0.044]
1/1 [=====] - 0s 85ms/step
>10170, dr[0.780,0.609], df[0.750,0.035], g[0.902,0.026]
1/1 [=====] - 0s 80ms/step
>10171, dr[0.658,0.552], df[0.671,0.031], g[0.850,0.035]
1/1 [=====] - 0s 88ms/step
>10172, dr[0.749,0.725], df[0.674,0.036], g[0.829,0.032]
1/1 [=====] - 0s 83ms/step
>10173, dr[0.703,0.393], df[0.781,0.039], g[0.808,0.032]
1/1 [=====] - 0s 81ms/step
>10174, dr[0.725,0.238], df[0.670,0.019], g[0.812,0.029]
1/1 [=====] - 0s 81ms/step
>10175, dr[0.662,0.476], df[0.649,0.019], g[0.814,0.025]
1/1 [=====] - 0s 85ms/step
>10176, dr[0.617,0.632], df[0.692,0.038], g[0.853,0.029]
1/1 [=====] - 0s 80ms/step
>10177, dr[0.707,0.428], df[0.682,0.106], g[0.816,0.058]
1/1 [=====] - 0s 91ms/step
>10178, dr[0.681,0.304], df[0.668,0.072], g[0.842,0.037]
1/1 [=====] - 0s 89ms/step
>10179, dr[0.648,0.654], df[0.700,0.040], g[0.852,0.030]
1/1 [=====] - 0s 80ms/step
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>10180, dr[0.664,0.556], df[0.643,0.011], g[0.815,0.055]
1/1 [=====] - 0s 86ms/step
>10181, dr[0.664,0.484], df[0.869,0.059], g[0.841,0.037]
1/1 [=====] - 0s 80ms/step
>10182, dr[0.671,0.394], df[0.749,0.106], g[0.928,0.050]
1/1 [=====] - 0s 80ms/step
>10183, dr[0.656,0.473], df[0.667,0.055], g[0.797,0.034]
1/1 [=====] - 0s 93ms/step
>10184, dr[0.621,0.683], df[0.719,0.065], g[0.864,0.037]
1/1 [=====] - 0s 81ms/step
>10185, dr[0.689,0.734], df[0.681,0.068], g[0.792,0.063]
1/1 [=====] - 0s 80ms/step
>10186, dr[0.740,0.311], df[0.671,0.048], g[0.867,0.016]
1/1 [=====] - 0s 87ms/step
>10187, dr[0.709,0.292], df[0.722,0.022], g[0.829,0.082]
1/1 [=====] - 0s 81ms/step
>10188, dr[0.799,0.230], df[0.745,0.024], g[0.755,0.052]
1/1 [=====] - 0s 80ms/step
>10189, dr[0.732,0.573], df[0.707,0.045], g[0.813,0.041]
1/1 [=====] - 0s 81ms/step
>10190, dr[0.702,0.417], df[0.790,0.040], g[0.838,0.022]
1/1 [=====] - 0s 83ms/step
>10191, dr[0.629,0.612], df[0.549,0.072], g[0.838,0.034]
1/1 [=====] - 0s 81ms/step
>10192, dr[0.713,0.702], df[0.709,0.057], g[0.832,0.043]
1/1 [=====] - 0s 82ms/step
>10193, dr[0.631,0.572], df[0.673,0.020], g[0.867,0.027]
1/1 [=====] - 0s 80ms/step
>10194, dr[0.682,0.301], df[0.733,0.023], g[0.842,0.031]
1/1 [=====] - 0s 83ms/step
>10195, dr[0.759,0.728], df[0.661,0.020], g[0.840,0.029]
1/1 [=====] - 0s 79ms/step
>10196, dr[0.692,0.297], df[0.753,0.029], g[0.793,0.027]
1/1 [=====] - 0s 80ms/step
>10197, dr[0.751,0.375], df[0.724,0.029], g[0.792,0.058]
1/1 [=====] - 0s 88ms/step
>10198, dr[0.651,0.377], df[0.657,0.039], g[0.827,0.025]
1/1 [=====] - 0s 82ms/step
>10199, dr[0.785,0.419], df[0.787,0.058], g[0.863,0.030]
1/1 [=====] - 0s 81ms/step
>10200, dr[0.611,0.633], df[0.654,0.040], g[0.795,0.032]
1/1 [=====] - 0s 86ms/step
>10201, dr[0.617,0.561], df[0.748,0.045], g[0.861,0.025]
1/1 [=====] - 0s 83ms/step
>10202, dr[0.704,0.652], df[0.613,0.034], g[0.861,0.024]
1/1 [=====] - 0s 81ms/step
>10203, dr[0.650,0.698], df[0.714,0.067], g[0.939,0.027]
1/1 [=====] - 0s 85ms/step
>10204, dr[0.692,0.262], df[0.747,0.019], g[0.810,0.031]
1/1 [=====] - 0s 82ms/step
>10205, dr[0.657,0.753], df[0.642,0.056], g[0.883,0.031]
1/1 [=====] - 0s 93ms/step
>10206, dr[0.676,0.278], df[0.684,0.025], g[0.901,0.035]
1/1 [=====] - 0s 81ms/step
>10207, dr[0.627,0.321], df[0.632,0.032], g[0.887,0.025]
1/1 [=====] - 0s 84ms/step
>10208, dr[0.723,0.493], df[0.795,0.027], g[0.830,0.028]
1/1 [=====] - 0s 88ms/step
>10209, dr[0.672,0.552], df[0.694,0.050], g[0.928,0.039]
1/1 [=====] - 0s 81ms/step
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>10210, dr[0.699,0.461], df[0.656,0.043], g[0.821,0.047]
1/1 [=====] - 0s 81ms/step
>10211, dr[0.744,0.458], df[0.673,0.049], g[0.862,0.035]
1/1 [=====] - 0s 88ms/step
>10212, dr[0.697,0.429], df[0.669,0.015], g[0.787,0.036]
1/1 [=====] - 0s 80ms/step
>10213, dr[0.693,0.346], df[0.706,0.063], g[0.851,0.036]
1/1 [=====] - 0s 82ms/step
>10214, dr[0.689,0.728], df[0.673,0.021], g[0.764,0.042]
1/1 [=====] - 0s 87ms/step
>10215, dr[0.744,0.845], df[0.683,0.033], g[0.798,0.029]
1/1 [=====] - 0s 83ms/step
>10216, dr[0.666,0.600], df[0.678,0.040], g[0.873,0.028]
1/1 [=====] - 0s 88ms/step
>10217, dr[0.714,0.616], df[0.783,0.063], g[0.786,0.019]
1/1 [=====] - 0s 82ms/step
>10218, dr[0.653,0.738], df[0.638,0.011], g[0.812,0.040]
1/1 [=====] - 0s 80ms/step
>10219, dr[0.708,0.355], df[0.647,0.041], g[0.796,0.017]
1/1 [=====] - 0s 81ms/step
>10220, dr[0.664,0.501], df[0.674,0.047], g[0.796,0.031]
1/1 [=====] - 0s 79ms/step
>10221, dr[0.781,0.295], df[0.764,0.019], g[0.749,0.044]
1/1 [=====] - 0s 91ms/step
>10222, dr[0.643,0.344], df[0.700,0.020], g[0.831,0.022]
1/1 [=====] - 0s 85ms/step
>10223, dr[0.753,0.504], df[0.706,0.029], g[0.820,0.022]
1/1 [=====] - 0s 79ms/step
>10224, dr[0.564,0.477], df[0.707,0.018], g[0.867,0.020]
1/1 [=====] - 0s 89ms/step
>10225, dr[0.659,0.370], df[0.711,0.023], g[0.820,0.029]
1/1 [=====] - 0s 89ms/step
>10226, dr[0.714,0.534], df[0.697,0.015], g[0.875,0.048]
1/1 [=====] - 0s 79ms/step
>10227, dr[0.623,0.761], df[0.653,0.036], g[0.742,0.067]
1/1 [=====] - 0s 84ms/step
>10228, dr[0.757,0.434], df[0.658,0.015], g[0.824,0.032]
1/1 [=====] - 0s 86ms/step
>10229, dr[0.595,0.190], df[0.723,0.050], g[0.875,0.032]
1/1 [=====] - 0s 81ms/step
>10230, dr[0.613,0.267], df[0.605,0.010], g[0.823,0.056]
1/1 [=====] - 0s 82ms/step
>10231, dr[0.659,0.651], df[0.669,0.036], g[0.776,0.037]
1/1 [=====] - 0s 89ms/step
>10232, dr[0.645,0.524], df[0.717,0.029], g[0.790,0.014]
1/1 [=====] - 0s 80ms/step
>10233, dr[0.700,0.560], df[0.684,0.028], g[0.787,0.029]
1/1 [=====] - 0s 80ms/step
>10234, dr[0.691,0.585], df[0.715,0.030], g[0.864,0.027]
1/1 [=====] - 0s 80ms/step
>10235, dr[0.613,0.218], df[0.672,0.035], g[0.742,0.020]
1/1 [=====] - 0s 81ms/step
>10236, dr[0.691,0.595], df[0.723,0.021], g[0.857,0.035]
1/1 [=====] - 0s 96ms/step
>10237, dr[0.726,0.467], df[0.732,0.015], g[0.797,0.050]
1/1 [=====] - 0s 83ms/step
>10238, dr[0.645,0.519], df[0.692,0.014], g[0.830,0.025]
1/1 [=====] - 0s 81ms/step
>10239, dr[0.611,0.524], df[0.668,0.015], g[0.932,0.036]
1/1 [=====] - 0s 85ms/step
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>10240, dr[0.684,0.329], df[0.711,0.023], g[0.833,0.018]
1/1 [=====] - 0s 81ms/step
>10241, dr[0.690,0.548], df[0.674,0.051], g[0.837,0.076]
1/1 [=====] - 0s 83ms/step
>10242, dr[0.732,0.487], df[0.631,0.022], g[0.851,0.041]
1/1 [=====] - 0s 83ms/step
>10243, dr[0.646,0.422], df[0.648,0.033], g[0.928,0.034]
1/1 [=====] - 0s 80ms/step
>10244, dr[0.644,0.541], df[0.652,0.040], g[0.766,0.017]
1/1 [=====] - 0s 89ms/step
>10245, dr[0.708,0.371], df[0.661,0.028], g[0.789,0.052]
1/1 [=====] - 0s 83ms/step
>10246, dr[0.646,0.489], df[0.729,0.035], g[0.742,0.027]
1/1 [=====] - 0s 87ms/step
>10247, dr[0.705,0.403], df[0.649,0.012], g[0.811,0.031]
1/1 [=====] - 0s 86ms/step
>10248, dr[0.642,0.271], df[0.742,0.009], g[0.820,0.026]
1/1 [=====] - 0s 78ms/step
>10249, dr[0.622,0.257], df[0.666,0.025], g[0.826,0.033]
1/1 [=====] - 0s 79ms/step
>10250, dr[0.621,0.317], df[0.699,0.033], g[0.843,0.017]
1/1 [=====] - 0s 86ms/step
>10251, dr[0.797,0.827], df[0.764,0.012], g[0.751,0.027]
1/1 [=====] - 0s 93ms/step
>10252, dr[0.621,0.549], df[0.625,0.018], g[0.810,0.021]
1/1 [=====] - 0s 82ms/step
>10253, dr[0.716,0.406], df[0.822,0.033], g[0.810,0.023]
1/1 [=====] - 0s 85ms/step
>10254, dr[0.642,0.179], df[0.800,0.022], g[0.785,0.034]
1/1 [=====] - 0s 80ms/step
>10255, dr[0.712,0.703], df[0.698,0.011], g[0.811,0.091]
1/1 [=====] - 0s 85ms/step
>10256, dr[0.693,0.507], df[0.691,0.019], g[0.858,0.031]
1/1 [=====] - 0s 96ms/step
>10257, dr[0.682,0.356], df[0.719,0.019], g[0.825,0.029]
1/1 [=====] - 0s 82ms/step
>10258, dr[0.646,0.395], df[0.743,0.045], g[0.916,0.031]
1/1 [=====] - 0s 82ms/step
>10259, dr[0.673,0.348], df[0.637,0.047], g[0.860,0.032]
1/1 [=====] - 0s 78ms/step
>10260, dr[0.664,0.465], df[0.727,0.032], g[0.773,0.026]
1/1 [=====] - 0s 87ms/step
>10261, dr[0.702,0.420], df[0.661,0.041], g[0.876,0.043]
1/1 [=====] - 0s 92ms/step
>10262, dr[0.769,0.485], df[0.796,0.047], g[0.834,0.022]
1/1 [=====] - 0s 80ms/step
>10263, dr[0.657,0.630], df[0.699,0.035], g[0.885,0.023]
1/1 [=====] - 0s 83ms/step
>10264, dr[0.663,0.717], df[0.679,0.011], g[0.897,0.033]
1/1 [=====] - 0s 90ms/step
>10265, dr[0.636,0.378], df[0.654,0.016], g[0.874,0.082]
1/1 [=====] - 0s 81ms/step
>10266, dr[0.733,0.835], df[0.701,0.024], g[0.878,0.036]
1/1 [=====] - 0s 104ms/step
>10267, dr[0.717,0.344], df[0.679,0.082], g[0.813,0.028]
1/1 [=====] - 0s 109ms/step
>10268, dr[0.712,0.316], df[0.632,0.021], g[0.837,0.030]
1/1 [=====] - 0s 102ms/step
>10269, dr[0.689,0.381], df[0.710,0.040], g[0.860,0.024]
1/1 [=====] - 0s 103ms/step
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>10270, dr[0.672,0.472], df[0.721,0.031], g[0.815,0.045]
1/1 [=====] - 0s 104ms/step
>10271, dr[0.727,0.637], df[0.740,0.018], g[0.847,0.042]
1/1 [=====] - 0s 104ms/step
>10272, dr[0.659,0.444], df[0.673,0.031], g[0.884,0.043]
1/1 [=====] - 0s 101ms/step
>10273, dr[0.713,0.294], df[0.749,0.034], g[0.825,0.015]
1/1 [=====] - 0s 105ms/step
>10274, dr[0.678,0.700], df[0.756,0.022], g[0.847,0.036]
1/1 [=====] - 0s 100ms/step
>10275, dr[0.665,0.294], df[0.658,0.036], g[0.906,0.019]
1/1 [=====] - 0s 116ms/step
>10276, dr[0.686,0.663], df[0.669,0.034], g[0.816,0.072]
1/1 [=====] - 0s 86ms/step
>10277, dr[0.769,0.462], df[0.711,0.058], g[0.806,0.048]
1/1 [=====] - 0s 81ms/step
>10278, dr[0.687,0.538], df[0.671,0.043], g[0.819,0.030]
1/1 [=====] - 0s 85ms/step
>10279, dr[0.697,0.269], df[0.736,0.027], g[0.846,0.021]
1/1 [=====] - 0s 81ms/step
>10280, dr[0.794,0.476], df[0.708,0.075], g[0.812,0.025]
1/1 [=====] - 0s 85ms/step
>10281, dr[0.741,0.657], df[0.674,0.022], g[0.844,0.040]
1/1 [=====] - 0s 87ms/step
>10282, dr[0.657,0.375], df[0.720,0.034], g[0.759,0.031]
1/1 [=====] - 0s 81ms/step
>10283, dr[0.731,0.568], df[0.677,0.033], g[0.868,0.045]
1/1 [=====] - 0s 80ms/step
>10284, dr[0.714,0.499], df[0.671,0.021], g[0.760,0.014]
1/1 [=====] - 0s 94ms/step
>10285, dr[0.710,0.485], df[0.725,0.019], g[0.730,0.024]
1/1 [=====] - 0s 80ms/step
>10286, dr[0.670,0.256], df[0.755,0.082], g[0.735,0.021]
1/1 [=====] - 0s 80ms/step
>10287, dr[0.791,0.590], df[0.719,0.022], g[0.804,0.023]
1/1 [=====] - 0s 91ms/step
>10288, dr[0.746,0.669], df[0.826,0.032], g[0.799,0.032]
1/1 [=====] - 0s 80ms/step
>10289, dr[0.730,0.488], df[0.625,0.039], g[0.858,0.030]
1/1 [=====] - 0s 83ms/step
>10290, dr[0.688,0.853], df[0.581,0.021], g[0.746,0.047]
1/1 [=====] - 0s 90ms/step
>10291, dr[0.642,0.531], df[0.741,0.026], g[0.798,0.067]
1/1 [=====] - 0s 81ms/step
>10292, dr[0.652,0.566], df[0.769,0.042], g[0.847,0.042]
1/1 [=====] - 0s 79ms/step
>10293, dr[0.720,0.328], df[0.736,0.035], g[0.793,0.054]
1/1 [=====] - 0s 85ms/step
>10294, dr[0.706,0.592], df[0.787,0.023], g[0.785,0.031]
1/1 [=====] - 0s 83ms/step
>10295, dr[0.778,0.653], df[0.769,0.070], g[0.820,0.017]
1/1 [=====] - 0s 90ms/step
>10296, dr[0.716,0.543], df[0.723,0.012], g[0.812,0.020]
1/1 [=====] - 0s 81ms/step
>10297, dr[0.668,0.370], df[0.661,0.042], g[0.783,0.037]
1/1 [=====] - 0s 88ms/step
>10298, dr[0.650,0.557], df[0.692,0.012], g[0.884,0.031]
1/1 [=====] - 0s 90ms/step
>10299, dr[0.595,0.535], df[0.656,0.020], g[0.776,0.021]
1/1 [=====] - 0s 81ms/step
```

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>10300, dr[0.632,0.490], df[0.647,0.027], g[0.860,0.038]
1/1 [=====] - 0s 85ms/step
>10301, dr[0.611,0.598], df[0.652,0.029], g[0.803,0.053]
1/1 [=====] - 0s 89ms/step
>10302, dr[0.743,0.790], df[0.694,0.050], g[0.818,0.031]
1/1 [=====] - 0s 89ms/step
>10303, dr[0.658,0.548], df[0.761,0.039], g[0.828,0.026]
1/1 [=====] - 0s 80ms/step
>10304, dr[0.666,0.404], df[0.694,0.035], g[0.824,0.025]
1/1 [=====] - 0s 103ms/step
>10305, dr[0.707,0.782], df[0.664,0.038], g[0.809,0.021]
1/1 [=====] - 0s 117ms/step
>10306, dr[0.767,0.376], df[0.723,0.030], g[0.810,0.035]
1/1 [=====] - 0s 86ms/step
>10307, dr[0.600,0.367], df[0.692,0.073], g[0.871,0.049]
4/4 [=====] - 0s 52ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_10307.png and model_10307.h5
1/1 [=====] - 0s 298ms/step
>10308, dr[0.819,0.676], df[0.669,0.015], g[0.860,0.031]
1/1 [=====] - 0s 164ms/step
>10309, dr[0.671,0.665], df[0.737,0.014], g[0.872,0.068]
1/1 [=====] - 0s 120ms/step
>10310, dr[0.662,0.273], df[0.724,0.022], g[0.769,0.033]
1/1 [=====] - 0s 117ms/step
>10311, dr[0.670,0.454], df[0.627,0.019], g[0.839,0.040]
1/1 [=====] - 0s 123ms/step
>10312, dr[0.683,0.578], df[0.666,0.029], g[0.789,0.026]
1/1 [=====] - 0s 136ms/step
>10313, dr[0.601,0.218], df[0.729,0.020], g[0.872,0.028]
1/1 [=====] - 0s 234ms/step
>10314, dr[0.759,0.338], df[0.733,0.021], g[0.866,0.021]
1/1 [=====] - 0s 185ms/step
>10315, dr[0.589,0.247], df[0.703,0.026], g[0.827,0.033]
1/1 [=====] - 1s 600ms/step
>10316, dr[0.738,0.396], df[0.646,0.023], g[0.807,0.037]
1/1 [=====] - 0s 298ms/step
>10317, dr[0.719,0.508], df[0.653,0.013], g[0.827,0.033]
1/1 [=====] - 1s 696ms/step
>10318, dr[0.630,0.604], df[0.708,0.026], g[0.816,0.019]
1/1 [=====] - 0s 377ms/step
>10319, dr[0.715,0.668], df[0.734,0.030], g[0.836,0.034]
1/1 [=====] - 0s 160ms/step
>10320, dr[0.730,0.582], df[0.838,0.025], g[0.854,0.029]
1/1 [=====] - 0s 139ms/step
>10321, dr[0.662,0.310], df[0.699,0.063], g[0.791,0.037]
1/1 [=====] - 0s 98ms/step
>10322, dr[0.681,0.516], df[0.716,0.017], g[0.822,0.040]
1/1 [=====] - 0s 165ms/step
>10323, dr[0.686,0.315], df[0.684,0.015], g[0.868,0.025]
1/1 [=====] - 0s 106ms/step
>10324, dr[0.709,0.699], df[0.657,0.036], g[0.822,0.014]
1/1 [=====] - 0s 127ms/step
>10325, dr[0.607,0.649], df[0.697,0.043], g[0.833,0.044]
1/1 [=====] - 0s 87ms/step
>10326, dr[0.684,0.523], df[0.630,0.059], g[0.856,0.045]
1/1 [=====] - 0s 95ms/step
>10327, dr[0.681,0.584], df[0.766,0.139], g[0.781,0.064]
1/1 [=====] - 0s 96ms/step
```

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>10328, dr[0.568,0.347], df[0.693,0.035], g[0.819,0.046]
1/1 [=====] - 0s 92ms/step
>10329, dr[0.702,0.560], df[0.734,0.015], g[0.756,0.032]
1/1 [=====] - 0s 94ms/step
>10330, dr[0.679,0.336], df[0.652,0.019], g[0.854,0.042]
1/1 [=====] - 0s 94ms/step
>10331, dr[0.702,0.413], df[0.689,0.023], g[0.876,0.034]
1/1 [=====] - 0s 86ms/step
>10332, dr[0.600,0.378], df[0.661,0.018], g[0.883,0.021]
1/1 [=====] - 0s 113ms/step
>10333, dr[0.744,0.613], df[0.783,0.031], g[0.895,0.029]
1/1 [=====] - 0s 96ms/step
>10334, dr[0.686,0.488], df[0.725,0.021], g[0.894,0.019]
1/1 [=====] - 0s 96ms/step
>10335, dr[0.729,0.460], df[0.718,0.029], g[0.873,0.031]
1/1 [=====] - 0s 90ms/step
>10336, dr[0.746,0.260], df[0.609,0.030], g[0.824,0.033]
1/1 [=====] - 0s 108ms/step
>10337, dr[0.669,0.326], df[0.725,0.049], g[0.773,0.033]
1/1 [=====] - 0s 89ms/step
>10338, dr[0.641,0.172], df[0.682,0.042], g[0.794,0.034]
1/1 [=====] - 0s 90ms/step
>10339, dr[0.656,0.487], df[0.634,0.016], g[0.796,0.031]
1/1 [=====] - 0s 91ms/step
>10340, dr[0.548,0.795], df[0.797,0.039], g[0.833,0.013]
1/1 [=====] - 0s 84ms/step
>10341, dr[0.593,0.490], df[0.667,0.028], g[0.790,0.041]
1/1 [=====] - 0s 85ms/step
>10342, dr[0.692,0.534], df[0.691,0.094], g[0.882,0.057]
1/1 [=====] - 0s 133ms/step
>10343, dr[0.684,0.566], df[0.651,0.011], g[0.770,0.038]
1/1 [=====] - 0s 99ms/step
>10344, dr[0.713,0.592], df[0.623,0.019], g[0.810,0.039]
1/1 [=====] - 0s 92ms/step
>10345, dr[0.683,0.318], df[0.724,0.021], g[0.830,0.018]
1/1 [=====] - 0s 95ms/step
>10346, dr[0.691,0.368], df[0.681,0.023], g[0.841,0.019]
1/1 [=====] - 0s 95ms/step
>10347, dr[0.752,0.485], df[0.654,0.012], g[0.822,0.058]
1/1 [=====] - 0s 93ms/step
>10348, dr[0.766,0.515], df[0.771,0.016], g[0.748,0.022]
1/1 [=====] - 0s 93ms/step
>10349, dr[0.669,0.191], df[0.711,0.013], g[0.820,0.024]
1/1 [=====] - 0s 91ms/step
>10350, dr[0.586,0.688], df[0.723,0.032], g[0.808,0.018]
1/1 [=====] - 0s 96ms/step
>10351, dr[0.667,0.256], df[0.685,0.023], g[0.827,0.039]
1/1 [=====] - 0s 96ms/step
>10352, dr[0.739,0.514], df[0.696,0.021], g[0.830,0.034]
1/1 [=====] - 0s 157ms/step
>10353, dr[0.631,0.283], df[0.668,0.031], g[0.858,0.033]
1/1 [=====] - 0s 168ms/step
>10354, dr[0.669,0.268], df[0.673,0.027], g[0.816,0.020]
1/1 [=====] - 0s 98ms/step
>10355, dr[0.625,0.257], df[0.662,0.020], g[0.873,0.048]
1/1 [=====] - 0s 100ms/step
>10356, dr[0.640,0.598], df[0.673,0.018], g[0.935,0.091]
1/1 [=====] - 0s 100ms/step
>10357, dr[0.627,0.374], df[0.793,0.031], g[0.845,0.035]
1/1 [=====] - 0s 104ms/step
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>10358, dr[0.658,0.595], df[0.694,0.044], g[0.789,0.051]
1/1 [=====] - 0s 95ms/step
>10359, dr[0.798,1.003], df[0.697,0.025], g[0.878,0.034]
1/1 [=====] - 0s 151ms/step
>10360, dr[0.670,0.613], df[0.772,0.018], g[0.802,0.033]
1/1 [=====] - 0s 89ms/step
>10361, dr[0.664,0.274], df[0.646,0.038], g[0.857,0.039]
1/1 [=====] - 0s 205ms/step
>10362, dr[0.636,0.412], df[0.727,0.039], g[0.787,0.062]
1/1 [=====] - 0s 109ms/step
>10363, dr[0.758,0.394], df[0.605,0.041], g[0.848,0.017]
1/1 [=====] - 0s 95ms/step
>10364, dr[0.759,0.311], df[0.565,0.028], g[0.913,0.018]
1/1 [=====] - 0s 94ms/step
>10365, dr[0.673,0.616], df[0.715,0.021], g[0.766,0.035]
1/1 [=====] - 0s 128ms/step
>10366, dr[0.648,0.328], df[0.812,0.044], g[0.729,0.025]
1/1 [=====] - 0s 103ms/step
>10367, dr[0.735,0.483], df[0.763,0.028], g[0.798,0.035]
1/1 [=====] - 0s 99ms/step
>10368, dr[0.732,0.523], df[0.617,0.029], g[0.780,0.056]
1/1 [=====] - 0s 97ms/step
>10369, dr[0.699,0.633], df[0.661,0.015], g[0.853,0.042]
1/1 [=====] - 0s 111ms/step
>10370, dr[0.647,0.484], df[0.803,0.035], g[0.804,0.035]
1/1 [=====] - 0s 110ms/step
>10371, dr[0.648,0.498], df[0.690,0.029], g[0.796,0.036]
1/1 [=====] - 0s 95ms/step
>10372, dr[0.702,0.400], df[0.649,0.043], g[0.781,0.044]
1/1 [=====] - 0s 103ms/step
>10373, dr[0.662,0.562], df[0.668,0.024], g[0.830,0.015]
1/1 [=====] - 0s 85ms/step
>10374, dr[0.588,0.411], df[0.756,0.029], g[0.767,0.024]
1/1 [=====] - 0s 175ms/step
>10375, dr[0.629,0.474], df[0.661,0.017], g[0.825,0.026]
1/1 [=====] - 0s 95ms/step
>10376, dr[0.660,0.261], df[0.664,0.024], g[0.835,0.012]
1/1 [=====] - 0s 93ms/step
>10377, dr[0.695,0.231], df[0.582,0.039], g[0.746,0.018]
1/1 [=====] - 0s 107ms/step
>10378, dr[0.708,0.543], df[0.731,0.079], g[0.861,0.027]
1/1 [=====] - 0s 113ms/step
>10379, dr[0.653,0.906], df[0.685,0.044], g[0.738,0.032]
1/1 [=====] - 0s 109ms/step
>10380, dr[0.668,0.378], df[0.710,0.052], g[0.834,0.088]
1/1 [=====] - 0s 102ms/step
>10381, dr[0.666,0.518], df[0.719,0.040], g[0.746,0.037]
1/1 [=====] - 0s 104ms/step
>10382, dr[0.697,0.313], df[0.697,0.022], g[0.863,0.037]
1/1 [=====] - 0s 103ms/step
>10383, dr[0.668,0.466], df[0.667,0.023], g[0.830,0.014]
1/1 [=====] - 0s 96ms/step
>10384, dr[0.661,0.294], df[0.685,0.034], g[0.808,0.039]
1/1 [=====] - 0s 95ms/step
>10385, dr[0.640,0.341], df[0.665,0.033], g[0.845,0.023]
1/1 [=====] - 0s 99ms/step
>10386, dr[0.784,0.437], df[0.742,0.017], g[0.843,0.042]
1/1 [=====] - 0s 104ms/step
>10387, dr[0.688,0.564], df[0.681,0.016], g[0.829,0.015]
1/1 [=====] - 0s 123ms/step
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>10388, dr[0.751,0.615], df[0.707,0.017], g[0.784,0.022]
1/1 [=====] - 0s 102ms/step
>10389, dr[0.682,0.357], df[0.666,0.016], g[0.861,0.030]
1/1 [=====] - 0s 104ms/step
>10390, dr[0.688,0.341], df[0.783,0.054], g[0.772,0.026]
1/1 [=====] - 0s 107ms/step
>10391, dr[0.660,0.341], df[0.720,0.026], g[0.814,0.032]
1/1 [=====] - 0s 86ms/step
>10392, dr[0.630,0.245], df[0.707,0.024], g[0.909,0.028]
1/1 [=====] - 0s 91ms/step
>10393, dr[0.672,0.541], df[0.617,0.023], g[0.789,0.024]
1/1 [=====] - 0s 100ms/step
>10394, dr[0.631,0.375], df[0.601,0.051], g[0.793,0.027]
1/1 [=====] - 0s 92ms/step
>10395, dr[0.645,0.488], df[0.773,0.032], g[0.932,0.027]
1/1 [=====] - 0s 91ms/step
>10396, dr[0.695,0.523], df[0.656,0.040], g[0.790,0.052]
1/1 [=====] - 0s 140ms/step
>10397, dr[0.629,0.525], df[0.627,0.035], g[0.878,0.043]
1/1 [=====] - 0s 110ms/step
>10398, dr[0.699,0.240], df[0.661,0.020], g[0.805,0.021]
1/1 [=====] - 0s 108ms/step
>10399, dr[0.651,0.907], df[0.755,0.104], g[0.844,0.038]
1/1 [=====] - 0s 87ms/step
>10400, dr[0.741,0.939], df[0.664,0.071], g[0.910,0.022]
1/1 [=====] - 0s 98ms/step
>10401, dr[0.613,0.289], df[0.716,0.039], g[0.864,0.027]
1/1 [=====] - 0s 88ms/step
>10402, dr[0.701,0.303], df[0.758,0.015], g[0.831,0.041]
1/1 [=====] - 0s 143ms/step
>10403, dr[0.679,0.522], df[0.665,0.015], g[0.811,0.053]
1/1 [=====] - 0s 90ms/step
>10404, dr[0.682,0.373], df[0.764,0.057], g[0.836,0.044]
1/1 [=====] - 0s 100ms/step
>10405, dr[0.660,0.936], df[0.590,0.014], g[0.823,0.022]
1/1 [=====] - 0s 99ms/step
>10406, dr[0.581,0.387], df[0.571,0.038], g[0.787,0.036]
1/1 [=====] - 0s 90ms/step
>10407, dr[0.649,0.307], df[0.611,0.032], g[0.847,0.037]
1/1 [=====] - 0s 94ms/step
>10408, dr[0.668,0.360], df[0.616,0.016], g[0.782,0.023]
1/1 [=====] - 0s 86ms/step
>10409, dr[0.619,0.755], df[0.711,0.020], g[0.788,0.033]
1/1 [=====] - 0s 96ms/step
>10410, dr[0.678,0.530], df[0.744,0.037], g[0.816,0.022]
1/1 [=====] - 0s 129ms/step
>10411, dr[0.670,0.641], df[0.659,0.017], g[0.760,0.018]
1/1 [=====] - 0s 109ms/step
>10412, dr[0.689,0.383], df[0.633,0.010], g[0.903,0.016]
1/1 [=====] - 0s 94ms/step
>10413, dr[0.653,0.144], df[0.684,0.032], g[0.735,0.024]
1/1 [=====] - 0s 92ms/step
>10414, dr[0.660,0.476], df[0.716,0.029], g[0.925,0.044]
1/1 [=====] - 0s 105ms/step
>10415, dr[0.632,0.539], df[0.740,0.027], g[0.808,0.022]
1/1 [=====] - 0s 90ms/step
>10416, dr[0.753,0.758], df[0.699,0.050], g[0.818,0.028]
1/1 [=====] - 0s 96ms/step
>10417, dr[0.691,0.433], df[0.637,0.027], g[0.794,0.032]
1/1 [=====] - 0s 91ms/step
```

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>10418, dr[0.635,0.381], df[0.799,0.031], g[0.823,0.030]
1/1 [=====] - 0s 94ms/step
>10419, dr[0.730,0.280], df[0.753,0.040], g[0.777,0.041]
1/1 [=====] - 0s 93ms/step
>10420, dr[0.689,1.292], df[0.675,0.046], g[0.824,0.019]
1/1 [=====] - 0s 90ms/step
>10421, dr[0.627,0.617], df[0.692,0.044], g[0.850,0.045]
1/1 [=====] - 0s 112ms/step
>10422, dr[0.606,0.263], df[0.676,0.024], g[0.791,0.056]
1/1 [=====] - 0s 100ms/step
>10423, dr[0.659,0.146], df[0.776,0.032], g[0.815,0.023]
1/1 [=====] - 0s 89ms/step
>10424, dr[0.620,0.401], df[0.638,0.048], g[0.933,0.023]
1/1 [=====] - 0s 96ms/step
>10425, dr[0.660,0.692], df[0.753,0.033], g[0.835,0.029]
1/1 [=====] - 0s 107ms/step
>10426, dr[0.738,0.610], df[0.578,0.016], g[0.860,0.029]
1/1 [=====] - 0s 93ms/step
>10427, dr[0.609,0.324], df[0.713,0.040], g[0.817,0.013]
1/1 [=====] - 0s 89ms/step
>10428, dr[0.712,0.755], df[0.666,0.014], g[0.817,0.028]
1/1 [=====] - 0s 91ms/step
>10429, dr[0.699,0.504], df[0.641,0.012], g[0.744,0.020]
1/1 [=====] - 0s 92ms/step
>10430, dr[0.710,0.617], df[0.660,0.024], g[0.788,0.031]
1/1 [=====] - 0s 91ms/step
>10431, dr[0.687,0.237], df[0.715,0.028], g[0.682,0.037]
1/1 [=====] - 0s 157ms/step
>10432, dr[0.631,0.354], df[0.738,0.031], g[0.852,0.055]
1/1 [=====] - 0s 88ms/step
>10433, dr[0.618,0.467], df[0.729,0.019], g[0.802,0.022]
1/1 [=====] - 0s 89ms/step
>10434, dr[0.627,0.549], df[0.700,0.022], g[0.832,0.033]
1/1 [=====] - 0s 119ms/step
>10435, dr[0.735,0.385], df[0.722,0.025], g[0.827,0.020]
1/1 [=====] - 0s 113ms/step
>10436, dr[0.656,0.324], df[0.685,0.009], g[0.819,0.019]
1/1 [=====] - 0s 120ms/step
>10437, dr[0.677,0.400], df[0.656,0.025], g[0.817,0.020]
1/1 [=====] - 0s 118ms/step
>10438, dr[0.739,0.342], df[0.831,0.032], g[0.821,0.050]
1/1 [=====] - 0s 110ms/step
>10439, dr[0.684,0.476], df[0.730,0.014], g[0.763,0.013]
1/1 [=====] - 0s 116ms/step
>10440, dr[0.609,0.299], df[0.635,0.040], g[0.909,0.021]
1/1 [=====] - 0s 114ms/step
>10441, dr[0.618,0.490], df[0.641,0.051], g[0.887,0.032]
1/1 [=====] - 0s 96ms/step
>10442, dr[0.711,0.281], df[0.588,0.047], g[0.840,0.049]
1/1 [=====] - 0s 95ms/step
>10443, dr[0.709,0.343], df[0.631,0.033], g[0.819,0.036]
1/1 [=====] - 0s 92ms/step
>10444, dr[0.611,0.412], df[0.709,0.056], g[0.815,0.034]
1/1 [=====] - 0s 112ms/step
>10445, dr[0.737,0.698], df[0.644,0.015], g[0.849,0.058]
1/1 [=====] - 0s 114ms/step
>10446, dr[0.664,0.342], df[0.724,0.028], g[0.820,0.020]
1/1 [=====] - 0s 86ms/step
>10447, dr[0.766,0.444], df[0.795,0.042], g[0.780,0.043]
1/1 [=====] - 0s 89ms/step
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>10448, dr[0.743,0.421], df[0.769,0.026], g[0.775,0.024]
1/1 [=====] - 0s 89ms/step
>10449, dr[0.619,0.691], df[0.701,0.038], g[0.836,0.043]
1/1 [=====] - 0s 92ms/step
>10450, dr[0.654,0.252], df[0.666,0.041], g[0.860,0.046]
1/1 [=====] - 0s 110ms/step
>10451, dr[0.655,0.340], df[0.709,0.032], g[0.871,0.033]
1/1 [=====] - 0s 109ms/step
>10452, dr[0.764,0.569], df[0.638,0.030], g[0.848,0.022]
1/1 [=====] - 0s 111ms/step
>10453, dr[0.755,0.429], df[0.729,0.029], g[0.815,0.044]
1/1 [=====] - 0s 98ms/step
>10454, dr[0.649,0.473], df[0.717,0.023], g[0.805,0.034]
1/1 [=====] - 0s 94ms/step
>10455, dr[0.773,0.333], df[0.825,0.026], g[0.813,0.029]
1/1 [=====] - 0s 85ms/step
>10456, dr[0.725,0.541], df[0.698,0.041], g[0.779,0.047]
1/1 [=====] - 0s 90ms/step
>10457, dr[0.774,0.251], df[0.756,0.028], g[0.808,0.033]
1/1 [=====] - 0s 83ms/step
>10458, dr[0.748,0.818], df[0.685,0.023], g[0.897,0.017]
1/1 [=====] - 0s 85ms/step
>10459, dr[0.658,0.416], df[0.824,0.011], g[0.826,0.022]
1/1 [=====] - 0s 97ms/step
>10460, dr[0.693,0.724], df[0.717,0.027], g[0.781,0.021]
1/1 [=====] - 0s 88ms/step
>10461, dr[0.653,0.623], df[0.741,0.035], g[0.848,0.025]
1/1 [=====] - 0s 91ms/step
>10462, dr[0.588,0.505], df[0.656,0.017], g[0.878,0.039]
1/1 [=====] - 0s 97ms/step
>10463, dr[0.705,0.677], df[0.790,0.033], g[0.821,0.050]
1/1 [=====] - 0s 85ms/step
>10464, dr[0.695,0.664], df[0.637,0.023], g[0.874,0.015]
1/1 [=====] - 0s 81ms/step
>10465, dr[0.651,0.634], df[0.709,0.030], g[0.876,0.039]
1/1 [=====] - 0s 97ms/step
>10466, dr[0.674,0.337], df[0.621,0.038], g[0.866,0.017]
1/1 [=====] - 0s 83ms/step
>10467, dr[0.712,0.322], df[0.762,0.023], g[0.810,0.027]
1/1 [=====] - 0s 84ms/step
>10468, dr[0.692,0.461], df[0.785,0.025], g[0.783,0.037]
1/1 [=====] - 0s 89ms/step
>10469, dr[0.811,0.251], df[0.705,0.047], g[0.846,0.026]
1/1 [=====] - 0s 86ms/step
>10470, dr[0.716,0.792], df[0.763,0.022], g[0.762,0.048]
1/1 [=====] - 0s 83ms/step
>10471, dr[0.702,0.537], df[0.673,0.028], g[0.880,0.036]
1/1 [=====] - 0s 96ms/step
>10472, dr[0.712,0.636], df[0.751,0.020], g[0.800,0.020]
1/1 [=====] - 0s 81ms/step
>10473, dr[0.723,0.484], df[0.673,0.024], g[0.841,0.036]
1/1 [=====] - 0s 84ms/step
>10474, dr[0.697,0.363], df[0.756,0.067], g[0.835,0.039]
1/1 [=====] - 0s 87ms/step
>10475, dr[0.653,0.532], df[0.692,0.025], g[0.832,0.023]
1/1 [=====] - 0s 87ms/step
>10476, dr[0.706,0.485], df[0.716,0.028], g[0.859,0.017]
1/1 [=====] - 0s 80ms/step
>10477, dr[0.697,0.506], df[0.683,0.037], g[0.826,0.037]
1/1 [=====] - 0s 100ms/step
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>10478, dr[0.630,0.509], df[0.722,0.146], g[0.773,0.040]
1/1 [=====] - 0s 85ms/step
>10479, dr[0.635,0.345], df[0.568,0.042], g[0.910,0.043]
1/1 [=====] - 0s 85ms/step
>10480, dr[0.668,0.754], df[0.628,0.027], g[0.867,0.043]
1/1 [=====] - 0s 90ms/step
>10481, dr[0.735,0.655], df[0.638,0.013], g[0.758,0.028]
1/1 [=====] - 0s 84ms/step
>10482, dr[0.550,0.420], df[0.681,0.024], g[0.845,0.033]
1/1 [=====] - 0s 81ms/step
>10483, dr[0.655,0.515], df[0.657,0.056], g[0.787,0.026]
1/1 [=====] - 0s 92ms/step
>10484, dr[0.690,0.434], df[0.707,0.021], g[0.839,0.033]
1/1 [=====] - 0s 81ms/step
>10485, dr[0.587,0.489], df[0.793,0.046], g[0.855,0.032]
1/1 [=====] - 0s 84ms/step
>10486, dr[0.736,0.412], df[0.713,0.037], g[0.869,0.031]
1/1 [=====] - 0s 103ms/step
>10487, dr[0.685,0.380], df[0.679,0.015], g[0.834,0.027]
1/1 [=====] - 0s 83ms/step
>10488, dr[0.710,0.589], df[0.689,0.037], g[0.958,0.021]
1/1 [=====] - 0s 86ms/step
>10489, dr[0.706,0.531], df[0.650,0.023], g[0.872,0.019]
1/1 [=====] - 0s 95ms/step
>10490, dr[0.656,0.534], df[0.762,0.026], g[0.825,0.044]
1/1 [=====] - 0s 83ms/step
>10491, dr[0.697,0.348], df[0.739,0.023], g[0.856,0.031]
1/1 [=====] - 0s 84ms/step
>10492, dr[0.659,0.494], df[0.712,0.026], g[0.863,0.030]
1/1 [=====] - 0s 95ms/step
>10493, dr[0.768,0.741], df[0.660,0.023], g[0.858,0.034]
1/1 [=====] - 0s 84ms/step
>10494, dr[0.729,0.339], df[0.599,0.030], g[0.833,0.017]
1/1 [=====] - 0s 85ms/step
>10495, dr[0.732,0.534], df[0.685,0.018], g[0.872,0.022]
1/1 [=====] - 0s 92ms/step
>10496, dr[0.619,0.377], df[0.760,0.030], g[0.799,0.029]
1/1 [=====] - 0s 81ms/step
>10497, dr[0.635,0.359], df[0.652,0.023], g[0.797,0.020]
1/1 [=====] - 0s 89ms/step
>10498, dr[0.642,0.325], df[0.694,0.013], g[0.853,0.023]
1/1 [=====] - 0s 98ms/step
>10499, dr[0.603,0.310], df[0.652,0.019], g[0.863,0.042]
1/1 [=====] - 0s 80ms/step
>10500, dr[0.629,0.538], df[0.727,0.029], g[0.828,0.035]
1/1 [=====] - 0s 83ms/step
>10501, dr[0.725,0.765], df[0.665,0.019], g[0.828,0.028]
1/1 [=====] - 0s 93ms/step
>10502, dr[0.708,0.352], df[0.690,0.016], g[0.822,0.026]
1/1 [=====] - 0s 81ms/step
>10503, dr[0.617,0.744], df[0.619,0.045], g[0.857,0.029]
1/1 [=====] - 0s 82ms/step
>10504, dr[0.743,0.578], df[0.781,0.023], g[0.785,0.022]
1/1 [=====] - 0s 96ms/step
>10505, dr[0.706,0.239], df[0.636,0.016], g[0.800,0.019]
1/1 [=====] - 0s 85ms/step
>10506, dr[0.593,0.336], df[0.712,0.015], g[0.772,0.033]
1/1 [=====] - 0s 87ms/step
>10507, dr[0.612,0.781], df[0.685,0.027], g[0.823,0.027]
1/1 [=====] - 0s 95ms/step
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>10508, dr[0.675,0.562], df[0.714,0.061], g[0.780,0.025]
1/1 [=====] - 0s 85ms/step
>10509, dr[0.770,0.656], df[0.642,0.041], g[0.830,0.047]
1/1 [=====] - 0s 90ms/step
>10510, dr[0.639,0.388], df[0.683,0.037], g[0.803,0.014]
1/1 [=====] - 0s 94ms/step
>10511, dr[0.593,0.448], df[0.746,0.036], g[0.913,0.024]
1/1 [=====] - 0s 92ms/step
>10512, dr[0.759,0.440], df[0.684,0.029], g[0.838,0.020]
1/1 [=====] - 0s 84ms/step
>10513, dr[0.678,0.463], df[0.635,0.036], g[0.772,0.023]
1/1 [=====] - 0s 84ms/step
>10514, dr[0.786,0.369], df[0.694,0.033], g[0.796,0.026]
1/1 [=====] - 0s 89ms/step
>10515, dr[0.671,0.915], df[0.741,0.031], g[0.763,0.053]
1/1 [=====] - 0s 81ms/step
>10516, dr[0.720,0.597], df[0.723,0.028], g[0.832,0.044]
1/1 [=====] - 0s 85ms/step
>10517, dr[0.705,0.318], df[0.711,0.052], g[0.824,0.048]
1/1 [=====] - 0s 82ms/step
>10518, dr[0.553,0.657], df[0.682,0.015], g[0.848,0.043]
1/1 [=====] - 0s 84ms/step
>10519, dr[0.773,0.712], df[0.742,0.021], g[0.807,0.026]
1/1 [=====] - 0s 86ms/step
>10520, dr[0.724,0.491], df[0.824,0.034], g[0.792,0.017]
1/1 [=====] - 0s 85ms/step
>10521, dr[0.664,0.627], df[0.667,0.018], g[0.777,0.027]
1/1 [=====] - 0s 94ms/step
>10522, dr[0.595,0.326], df[0.672,0.026], g[0.776,0.042]
1/1 [=====] - 0s 93ms/step
>10523, dr[0.612,0.645], df[0.702,0.048], g[0.881,0.034]
1/1 [=====] - 0s 104ms/step
>10524, dr[0.732,0.721], df[0.699,0.031], g[0.814,0.054]
1/1 [=====] - 0s 82ms/step
>10525, dr[0.642,0.301], df[0.696,0.017], g[0.785,0.058]
1/1 [=====] - 0s 89ms/step
>10526, dr[0.704,0.883], df[0.633,0.014], g[0.828,0.049]
1/1 [=====] - 0s 84ms/step
>10527, dr[0.639,0.310], df[0.639,0.043], g[0.897,0.042]
1/1 [=====] - 0s 85ms/step
>10528, dr[0.639,0.493], df[0.751,0.035], g[0.853,0.035]
1/1 [=====] - 0s 85ms/step
>10529, dr[0.658,0.649], df[0.713,0.032], g[0.824,0.022]
1/1 [=====] - 0s 84ms/step
>10530, dr[0.697,0.517], df[0.710,0.010], g[0.851,0.027]
1/1 [=====] - 0s 82ms/step
>10531, dr[0.684,0.624], df[0.725,0.038], g[0.870,0.026]
1/1 [=====] - 0s 86ms/step
>10532, dr[0.686,0.427], df[0.614,0.025], g[0.815,0.035]
1/1 [=====] - 0s 83ms/step
>10533, dr[0.665,0.405], df[0.679,0.026], g[0.823,0.027]
1/1 [=====] - 0s 89ms/step
>10534, dr[0.744,0.498], df[0.632,0.028], g[0.830,0.036]
1/1 [=====] - 0s 89ms/step
>10535, dr[0.638,0.610], df[0.724,0.034], g[0.815,0.022]
1/1 [=====] - 0s 83ms/step
>10536, dr[0.650,0.345], df[0.787,0.034], g[0.844,0.030]
1/1 [=====] - 0s 83ms/step
>10537, dr[0.705,0.447], df[0.677,0.030], g[0.782,0.035]
1/1 [=====] - 0s 87ms/step
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>10538, dr[0.606,0.636], df[0.643,0.032], g[0.880,0.058]
1/1 [=====] - 0s 82ms/step
>10539, dr[0.623,0.984], df[0.782,0.026], g[0.816,0.056]
1/1 [=====] - 0s 83ms/step
>10540, dr[0.724,0.578], df[0.647,0.019], g[0.842,0.040]
1/1 [=====] - 0s 85ms/step
>10541, dr[0.690,0.252], df[0.739,0.022], g[0.830,0.038]
1/1 [=====] - 0s 80ms/step
>10542, dr[0.638,0.251], df[0.647,0.041], g[0.817,0.044]
1/1 [=====] - 0s 84ms/step
>10543, dr[0.650,0.459], df[0.760,0.021], g[0.854,0.032]
1/1 [=====] - 0s 82ms/step
>10544, dr[0.668,0.666], df[0.649,0.026], g[0.747,0.030]
1/1 [=====] - 0s 94ms/step
>10545, dr[0.661,0.569], df[0.685,0.023], g[0.852,0.042]
1/1 [=====] - 0s 97ms/step
>10546, dr[0.659,0.428], df[0.772,0.035], g[0.850,0.040]
1/1 [=====] - 0s 85ms/step
>10547, dr[0.653,0.747], df[0.683,0.023], g[0.824,0.028]
1/1 [=====] - 0s 154ms/step
>10548, dr[0.610,0.266], df[0.720,0.027], g[0.836,0.045]
1/1 [=====] - 0s 141ms/step
>10549, dr[0.650,0.654], df[0.778,0.077], g[0.825,0.037]
1/1 [=====] - 0s 158ms/step
>10550, dr[0.719,0.465], df[0.577,0.023], g[0.854,0.030]
1/1 [=====] - 0s 128ms/step
>10551, dr[0.782,0.346], df[0.707,0.044], g[0.772,0.058]
1/1 [=====] - 0s 113ms/step
>10552, dr[0.715,0.593], df[0.713,0.018], g[0.712,0.027]
1/1 [=====] - 0s 98ms/step
>10553, dr[0.640,0.414], df[0.781,0.024], g[0.702,0.038]
1/1 [=====] - 0s 98ms/step
>10554, dr[0.721,0.301], df[0.782,0.044], g[0.760,0.060]
1/1 [=====] - 0s 92ms/step
>10555, dr[0.672,0.449], df[0.746,0.022], g[0.850,0.063]
1/1 [=====] - 0s 91ms/step
>10556, dr[0.727,0.553], df[0.605,0.021], g[0.854,0.026]
1/1 [=====] - 0s 121ms/step
>10557, dr[0.604,0.381], df[0.668,0.080], g[0.844,0.034]
1/1 [=====] - 0s 90ms/step
>10558, dr[0.663,0.283], df[0.637,0.032], g[0.842,0.032]
1/1 [=====] - 0s 84ms/step
>10559, dr[0.690,0.693], df[0.677,0.027], g[0.860,0.056]
1/1 [=====] - 0s 146ms/step
>10560, dr[0.690,0.334], df[0.681,0.027], g[0.876,0.018]
1/1 [=====] - 0s 95ms/step
>10561, dr[0.714,0.253], df[0.837,0.030], g[0.861,0.059]
1/1 [=====] - 0s 86ms/step
>10562, dr[0.674,0.360], df[0.644,0.035], g[0.842,0.033]
1/1 [=====] - 0s 91ms/step
>10563, dr[0.721,0.538], df[0.697,0.020], g[0.845,0.023]
1/1 [=====] - 0s 87ms/step
>10564, dr[0.710,0.190], df[0.664,0.019], g[0.841,0.024]
1/1 [=====] - 0s 83ms/step
>10565, dr[0.629,0.312], df[0.736,0.029], g[0.765,0.032]
1/1 [=====] - 0s 88ms/step
>10566, dr[0.758,0.622], df[0.743,0.079], g[0.850,0.065]
1/1 [=====] - 0s 91ms/step
>10567, dr[0.666,0.434], df[0.683,0.038], g[0.835,0.040]
1/1 [=====] - 0s 83ms/step
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>10568, dr[0.690,0.383], df[0.647,0.017], g[0.823,0.026]
1/1 [=====] - 0s 108ms/step
>10569, dr[0.662,0.445], df[0.714,0.027], g[0.798,0.030]
1/1 [=====] - 0s 93ms/step
>10570, dr[0.643,0.284], df[0.728,0.040], g[0.896,0.044]
1/1 [=====] - 0s 83ms/step
>10571, dr[0.720,0.642], df[0.723,0.017], g[0.860,0.012]
1/1 [=====] - 0s 96ms/step
>10572, dr[0.803,0.209], df[0.608,0.028], g[0.794,0.031]
1/1 [=====] - 0s 82ms/step
>10573, dr[0.763,0.552], df[0.658,0.011], g[0.877,0.027]
1/1 [=====] - 0s 93ms/step
>10574, dr[0.742,0.273], df[0.738,0.050], g[0.699,0.043]
1/1 [=====] - 0s 82ms/step
>10575, dr[0.733,0.478], df[0.709,0.015], g[0.770,0.044]
1/1 [=====] - 0s 88ms/step
>10576, dr[0.649,0.373], df[0.710,0.020], g[0.763,0.024]
1/1 [=====] - 0s 85ms/step
>10577, dr[0.675,0.202], df[0.732,0.040], g[0.869,0.012]
1/1 [=====] - 0s 89ms/step
>10578, dr[0.710,0.487], df[0.790,0.050], g[0.853,0.030]
1/1 [=====] - 0s 85ms/step
>10579, dr[0.774,0.533], df[0.787,0.027], g[0.818,0.054]
1/1 [=====] - 0s 82ms/step
>10580, dr[0.620,0.289], df[0.715,0.020], g[0.909,0.023]
1/1 [=====] - 0s 88ms/step
>10581, dr[0.679,0.455], df[0.605,0.026], g[0.782,0.022]
1/1 [=====] - 0s 88ms/step
>10582, dr[0.740,0.505], df[0.709,0.052], g[0.844,0.020]
1/1 [=====] - 0s 82ms/step
>10583, dr[0.674,0.365], df[0.696,0.020], g[0.802,0.032]
1/1 [=====] - 0s 97ms/step
>10584, dr[0.685,0.910], df[0.649,0.034], g[0.789,0.042]
1/1 [=====] - 0s 93ms/step
>10585, dr[0.659,0.468], df[0.738,0.054], g[0.730,0.026]
1/1 [=====] - 0s 85ms/step
>10586, dr[0.751,0.552], df[0.636,0.034], g[0.753,0.023]
1/1 [=====] - 0s 84ms/step
>10587, dr[0.772,0.343], df[0.735,0.020], g[0.807,0.019]
1/1 [=====] - 0s 95ms/step
>10588, dr[0.597,0.338], df[0.813,0.042], g[0.758,0.042]
1/1 [=====] - 0s 85ms/step
>10589, dr[0.662,0.865], df[0.719,0.029], g[0.807,0.029]
1/1 [=====] - 0s 89ms/step
>10590, dr[0.632,0.197], df[0.669,0.035], g[0.825,0.011]
1/1 [=====] - 0s 90ms/step
>10591, dr[0.646,0.877], df[0.717,0.068], g[0.849,0.022]
1/1 [=====] - 0s 89ms/step
>10592, dr[0.703,0.554], df[0.652,0.052], g[0.899,0.026]
1/1 [=====] - 0s 83ms/step
>10593, dr[0.765,0.587], df[0.678,0.019], g[0.704,0.033]
1/1 [=====] - 0s 86ms/step
>10594, dr[0.668,0.567], df[0.714,0.040], g[0.790,0.032]
1/1 [=====] - 0s 84ms/step
>10595, dr[0.604,0.483], df[0.675,0.022], g[0.782,0.047]
1/1 [=====] - 0s 84ms/step
>10596, dr[0.601,0.487], df[0.653,0.089], g[0.790,0.019]
1/1 [=====] - 0s 86ms/step
>10597, dr[0.619,0.276], df[0.719,0.072], g[0.843,0.031]
1/1 [=====] - 0s 83ms/step
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>10598, dr[0.785,0.521], df[0.662,0.021], g[0.849,0.027]
1/1 [=====] - 0s 82ms/step
>10599, dr[0.659,0.331], df[0.716,0.037], g[0.826,0.029]
1/1 [=====] - 0s 88ms/step
>10600, dr[0.669,0.628], df[0.678,0.022], g[0.896,0.016]
1/1 [=====] - 0s 83ms/step
>10601, dr[0.714,0.722], df[0.693,0.102], g[0.842,0.035]
1/1 [=====] - 0s 83ms/step
>10602, dr[0.678,0.596], df[0.632,0.021], g[0.825,0.030]
1/1 [=====] - 0s 90ms/step
>10603, dr[0.626,0.455], df[0.687,0.014], g[0.838,0.021]
1/1 [=====] - 0s 88ms/step
>10604, dr[0.664,0.529], df[0.663,0.022], g[0.845,0.019]
1/1 [=====] - 0s 88ms/step
>10605, dr[0.636,0.394], df[0.640,0.017], g[0.770,0.038]
1/1 [=====] - 0s 91ms/step
>10606, dr[0.731,0.312], df[0.654,0.014], g[0.832,0.041]
1/1 [=====] - 0s 104ms/step
>10607, dr[0.700,0.374], df[0.798,0.015], g[0.748,0.012]
1/1 [=====] - 0s 82ms/step
>10608, dr[0.699,0.377], df[0.677,0.021], g[0.761,0.022]
1/1 [=====] - 0s 86ms/step
>10609, dr[0.644,0.410], df[0.763,0.019], g[0.760,0.013]
1/1 [=====] - 0s 90ms/step
>10610, dr[0.598,0.545], df[0.687,0.015], g[0.753,0.030]
1/1 [=====] - 0s 83ms/step
>10611, dr[0.700,0.814], df[0.677,0.032], g[0.844,0.021]
1/1 [=====] - 0s 84ms/step
>10612, dr[0.749,0.660], df[0.588,0.025], g[0.847,0.028]
1/1 [=====] - 0s 87ms/step
>10613, dr[0.715,0.415], df[0.771,0.019], g[0.779,0.022]
1/1 [=====] - 0s 83ms/step
>10614, dr[0.652,0.213], df[0.713,0.025], g[0.828,0.018]
1/1 [=====] - 0s 82ms/step
>10615, dr[0.614,0.295], df[0.692,0.078], g[0.726,0.037]
1/1 [=====] - 0s 88ms/step
>10616, dr[0.700,0.451], df[0.743,0.012], g[0.828,0.020]
1/1 [=====] - 0s 93ms/step
>10617, dr[0.721,0.592], df[0.760,0.027], g[0.843,0.016]
1/1 [=====] - 0s 84ms/step
>10618, dr[0.694,0.507], df[0.771,0.023], g[0.828,0.023]
1/1 [=====] - 0s 86ms/step
>10619, dr[0.698,0.296], df[0.723,0.033], g[0.844,0.026]
1/1 [=====] - 0s 82ms/step
>10620, dr[0.712,0.835], df[0.769,0.014], g[0.809,0.018]
1/1 [=====] - 0s 83ms/step
>10621, dr[0.683,0.756], df[0.602,0.021], g[0.836,0.019]
1/1 [=====] - 0s 87ms/step
>10622, dr[0.662,0.799], df[0.768,0.026], g[0.786,0.059]
1/1 [=====] - 0s 85ms/step
>10623, dr[0.608,0.348], df[0.725,0.029], g[0.848,0.027]
1/1 [=====] - 0s 84ms/step
>10624, dr[0.733,0.314], df[0.699,0.052], g[0.858,0.023]
1/1 [=====] - 0s 96ms/step
>10625, dr[0.618,0.717], df[0.822,0.040], g[0.860,0.054]
1/1 [=====] - 0s 83ms/step
>10626, dr[0.773,0.991], df[0.704,0.024], g[0.846,0.043]
1/1 [=====] - 0s 82ms/step
>10627, dr[0.716,0.380], df[0.706,0.010], g[0.813,0.026]
1/1 [=====] - 0s 88ms/step
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>10628, dr[0.713,0.627], df[0.676,0.027], g[0.809,0.029]
1/1 [=====] - 0s 82ms/step
>10629, dr[0.669,0.528], df[0.834,0.030], g[0.770,0.025]
1/1 [=====] - 0s 84ms/step
>10630, dr[0.646,0.358], df[0.711,0.019], g[0.813,0.030]
1/1 [=====] - 0s 88ms/step
>10631, dr[0.739,0.491], df[0.630,0.064], g[0.767,0.019]
1/1 [=====] - 0s 83ms/step
>10632, dr[0.716,0.367], df[0.652,0.030], g[0.838,0.028]
1/1 [=====] - 0s 85ms/step
>10633, dr[0.588,0.267], df[0.675,0.020], g[0.848,0.020]
1/1 [=====] - 0s 99ms/step
>10634, dr[0.710,0.733], df[0.724,0.021], g[0.821,0.050]
1/1 [=====] - 0s 81ms/step
>10635, dr[0.720,0.528], df[0.683,0.051], g[0.793,0.033]
1/1 [=====] - 0s 87ms/step
>10636, dr[0.614,0.463], df[0.749,0.063], g[0.839,0.019]
1/1 [=====] - 0s 87ms/step
>10637, dr[0.705,0.642], df[0.690,0.032], g[0.791,0.037]
1/1 [=====] - 0s 83ms/step
>10638, dr[0.652,0.540], df[0.750,0.060], g[0.880,0.023]
1/1 [=====] - 0s 84ms/step
>10639, dr[0.676,0.382], df[0.648,0.016], g[0.833,0.023]
1/1 [=====] - 0s 104ms/step
>10640, dr[0.705,0.819], df[0.648,0.025], g[0.796,0.019]
1/1 [=====] - 0s 84ms/step
>10641, dr[0.707,0.574], df[0.633,0.043], g[0.852,0.031]
1/1 [=====] - 0s 82ms/step
>10642, dr[0.670,0.372], df[0.708,0.011], g[0.857,0.045]
1/1 [=====] - 0s 87ms/step
>10643, dr[0.721,0.479], df[0.690,0.031], g[0.895,0.024]
1/1 [=====] - 0s 82ms/step
>10644, dr[0.708,0.328], df[0.796,0.020], g[0.887,0.026]
1/1 [=====] - 0s 82ms/step
>10645, dr[0.744,0.667], df[0.651,0.022], g[0.813,0.030]
1/1 [=====] - 0s 85ms/step
>10646, dr[0.591,0.355], df[0.704,0.017], g[0.782,0.038]
1/1 [=====] - 0s 83ms/step
>10647, dr[0.670,0.390], df[0.670,0.020], g[0.844,0.018]
1/1 [=====] - 0s 82ms/step
>10648, dr[0.646,0.459], df[0.684,0.034], g[0.825,0.020]
1/1 [=====] - 0s 93ms/step
>10649, dr[0.619,0.467], df[0.635,0.025], g[0.837,0.024]
1/1 [=====] - 0s 89ms/step
>10650, dr[0.759,0.359], df[0.767,0.039], g[0.807,0.039]
1/1 [=====] - 0s 96ms/step
>10651, dr[0.688,0.335], df[0.675,0.022], g[0.862,0.032]
1/1 [=====] - 0s 87ms/step
>10652, dr[0.614,0.534], df[0.758,0.024], g[0.834,0.040]
1/1 [=====] - 0s 84ms/step
>10653, dr[0.663,0.530], df[0.672,0.036], g[0.846,0.027]
1/1 [=====] - 0s 84ms/step
>10654, dr[0.741,0.827], df[0.727,0.028], g[0.800,0.036]
1/1 [=====] - 0s 83ms/step
>10655, dr[0.684,0.525], df[0.697,0.129], g[0.877,0.026]
1/1 [=====] - 0s 83ms/step
>10656, dr[0.700,0.719], df[0.729,0.026], g[0.793,0.026]
1/1 [=====] - 0s 84ms/step
>10657, dr[0.745,0.361], df[0.615,0.060], g[0.794,0.030]
1/1 [=====] - 0s 91ms/step
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>10658, dr[0.728,0.448], df[0.825,0.029], g[0.814,0.036]
1/1 [=====] - 0s 83ms/step
>10659, dr[0.610,0.784], df[0.748,0.039], g[0.748,0.050]
1/1 [=====] - 0s 84ms/step
>10660, dr[0.680,0.327], df[0.617,0.023], g[0.815,0.026]
1/1 [=====] - 0s 94ms/step
>10661, dr[0.563,0.520], df[0.688,0.015], g[0.867,0.030]
1/1 [=====] - 0s 114ms/step
>10662, dr[0.682,0.622], df[0.693,0.038], g[0.903,0.022]
1/1 [=====] - 0s 110ms/step
>10663, dr[0.723,0.322], df[0.719,0.022], g[0.820,0.025]
1/1 [=====] - 0s 104ms/step
>10664, dr[0.700,0.515], df[0.736,0.051], g[0.862,0.030]
1/1 [=====] - 0s 110ms/step
>10665, dr[0.643,0.445], df[0.702,0.072], g[0.873,0.040]
1/1 [=====] - 0s 105ms/step
>10666, dr[0.646,0.495], df[0.706,0.012], g[0.805,0.021]
1/1 [=====] - 0s 108ms/step
>10667, dr[0.694,0.554], df[0.640,0.018], g[0.920,0.049]
1/1 [=====] - 0s 117ms/step
>10668, dr[0.661,0.417], df[0.609,0.019], g[0.816,0.055]
1/1 [=====] - 0s 113ms/step
>10669, dr[0.658,0.692], df[0.575,0.027], g[0.858,0.027]
1/1 [=====] - 0s 189ms/step
>10670, dr[0.605,0.762], df[0.787,0.025], g[0.867,0.031]
1/1 [=====] - 0s 111ms/step
>10671, dr[0.799,0.403], df[0.735,0.028], g[0.813,0.027]
1/1 [=====] - 0s 82ms/step
>10672, dr[0.688,0.404], df[0.623,0.035], g[0.868,0.035]
1/1 [=====] - 0s 108ms/step
>10673, dr[0.634,0.502], df[0.697,0.027], g[0.873,0.020]
1/1 [=====] - 0s 113ms/step
>10674, dr[0.667,0.371], df[0.729,0.012], g[0.826,0.028]
1/1 [=====] - 0s 97ms/step
>10675, dr[0.733,0.348], df[0.655,0.037], g[0.840,0.028]
1/1 [=====] - 0s 88ms/step
>10676, dr[0.674,0.456], df[0.618,0.036], g[0.753,0.019]
1/1 [=====] - 0s 88ms/step
>10677, dr[0.751,0.354], df[0.735,0.024], g[0.881,0.024]
1/1 [=====] - 0s 89ms/step
>10678, dr[0.640,0.289], df[0.635,0.016], g[0.811,0.035]
1/1 [=====] - 0s 81ms/step
>10679, dr[0.731,0.638], df[0.716,0.086], g[0.776,0.024]
1/1 [=====] - 0s 83ms/step
>10680, dr[0.693,0.575], df[0.710,0.040], g[0.749,0.030]
1/1 [=====] - 0s 92ms/step
>10681, dr[0.656,0.748], df[0.743,0.021], g[0.757,0.019]
1/1 [=====] - 0s 82ms/step
>10682, dr[0.645,0.262], df[0.794,0.030], g[0.787,0.032]
1/1 [=====] - 0s 82ms/step
>10683, dr[0.654,0.596], df[0.675,0.024], g[0.852,0.035]
1/1 [=====] - 0s 91ms/step
>10684, dr[0.667,0.820], df[0.797,0.079], g[0.759,0.024]
1/1 [=====] - 0s 83ms/step
>10685, dr[0.796,0.349], df[0.721,0.020], g[0.825,0.037]
1/1 [=====] - 0s 82ms/step
>10686, dr[0.736,0.439], df[0.844,0.046], g[0.796,0.023]
1/1 [=====] - 0s 90ms/step
>10687, dr[0.742,0.370], df[0.734,0.032], g[0.929,0.034]
1/1 [=====] - 0s 90ms/step
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>10688, dr[0.770,0.367], df[0.688,0.014], g[0.818,0.020]
1/1 [=====] - 0s 83ms/step
>10689, dr[0.679,0.452], df[0.728,0.047], g[0.809,0.045]
1/1 [=====] - 0s 91ms/step
>10690, dr[0.707,0.625], df[0.684,0.017], g[0.767,0.028]
1/1 [=====] - 0s 93ms/step
>10691, dr[0.642,0.514], df[0.683,0.028], g[0.811,0.023]
1/1 [=====] - 0s 85ms/step
>10692, dr[0.754,0.490], df[0.711,0.014], g[0.724,0.031]
1/1 [=====] - 0s 93ms/step
>10693, dr[0.656,0.462], df[0.707,0.025], g[0.746,0.025]
1/1 [=====] - 0s 82ms/step
>10694, dr[0.644,0.229], df[0.732,0.054], g[0.793,0.022]
1/1 [=====] - 0s 81ms/step
>10695, dr[0.662,0.650], df[0.607,0.036], g[0.838,0.027]
1/1 [=====] - 0s 93ms/step
>10696, dr[0.684,0.304], df[0.696,0.013], g[0.816,0.029]
1/1 [=====] - 0s 84ms/step
>10697, dr[0.647,0.401], df[0.706,0.040], g[0.823,0.038]
1/1 [=====] - 0s 83ms/step
>10698, dr[0.816,0.640], df[0.733,0.048], g[0.801,0.026]
1/1 [=====] - 0s 95ms/step
>10699, dr[0.765,0.386], df[0.676,0.012], g[0.835,0.045]
1/1 [=====] - 0s 81ms/step
>10700, dr[0.613,0.345], df[0.687,0.032], g[0.876,0.024]
1/1 [=====] - 0s 88ms/step
>10701, dr[0.696,0.171], df[0.729,0.051], g[0.807,0.025]
1/1 [=====] - 0s 93ms/step
>10702, dr[0.641,0.457], df[0.773,0.021], g[0.854,0.044]
1/1 [=====] - 0s 85ms/step
>10703, dr[0.658,0.513], df[0.723,0.017], g[0.880,0.031]
1/1 [=====] - 0s 85ms/step
>10704, dr[0.752,0.506], df[0.622,0.042], g[0.828,0.038]
1/1 [=====] - 0s 95ms/step
>10705, dr[0.697,0.245], df[0.693,0.019], g[0.786,0.023]
1/1 [=====] - 0s 94ms/step
>10706, dr[0.647,0.418], df[0.672,0.014], g[0.788,0.024]
1/1 [=====] - 0s 99ms/step
>10707, dr[0.614,0.643], df[0.595,0.043], g[0.751,0.023]
1/1 [=====] - 0s 99ms/step
>10708, dr[0.629,0.309], df[0.690,0.069], g[0.880,0.030]
1/1 [=====] - 0s 89ms/step
>10709, dr[0.721,0.365], df[0.701,0.030], g[0.844,0.033]
1/1 [=====] - 0s 82ms/step
>10710, dr[0.665,0.711], df[0.669,0.030], g[0.785,0.032]
1/1 [=====] - 0s 85ms/step
>10711, dr[0.657,0.500], df[0.694,0.032], g[0.834,0.028]
1/1 [=====] - 0s 100ms/step
>10712, dr[0.644,0.691], df[0.701,0.022], g[0.803,0.047]
1/1 [=====] - 0s 85ms/step
>10713, dr[0.684,0.315], df[0.801,0.034], g[0.856,0.025]
1/1 [=====] - 0s 86ms/step
>10714, dr[0.711,0.283], df[0.733,0.035], g[0.879,0.029]
1/1 [=====] - 0s 82ms/step
>10715, dr[0.820,0.624], df[0.627,0.025], g[0.773,0.016]
1/1 [=====] - 0s 82ms/step
>10716, dr[0.669,0.579], df[0.797,0.059], g[0.804,0.014]
1/1 [=====] - 0s 82ms/step
>10717, dr[0.725,0.319], df[0.694,0.046], g[0.794,0.063]
1/1 [=====] - 0s 84ms/step
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>10718, dr[0.726,0.377], df[0.733,0.019], g[0.836,0.020]
1/1 [=====] - 0s 84ms/step
>10719, dr[0.709,0.738], df[0.711,0.017], g[0.863,0.037]
1/1 [=====] - 0s 86ms/step
>10720, dr[0.655,0.726], df[0.809,0.023], g[0.824,0.034]
1/1 [=====] - 0s 94ms/step
>10721, dr[0.714,0.310], df[0.714,0.093], g[0.814,0.046]
1/1 [=====] - 0s 85ms/step
>10722, dr[0.709,0.510], df[0.759,0.020], g[0.817,0.036]
1/1 [=====] - 0s 86ms/step
>10723, dr[0.738,0.340], df[0.695,0.025], g[0.803,0.024]
1/1 [=====] - 0s 82ms/step
>10724, dr[0.747,0.533], df[0.666,0.029], g[0.792,0.019]
1/1 [=====] - 0s 89ms/step
>10725, dr[0.803,0.335], df[0.678,0.037], g[0.785,0.022]
1/1 [=====] - 0s 82ms/step
>10726, dr[0.718,0.891], df[0.723,0.033], g[0.852,0.032]
1/1 [=====] - 0s 83ms/step
>10727, dr[0.646,0.363], df[0.769,0.054], g[0.754,0.027]
1/1 [=====] - 0s 89ms/step
>10728, dr[0.632,0.521], df[0.729,0.065], g[0.803,0.020]
1/1 [=====] - 0s 83ms/step
>10729, dr[0.688,0.366], df[0.687,0.040], g[0.777,0.022]
1/1 [=====] - 0s 89ms/step
>10730, dr[0.702,0.318], df[0.785,0.032], g[0.865,0.026]
1/1 [=====] - 0s 91ms/step
>10731, dr[0.621,0.338], df[0.665,0.018], g[0.915,0.021]
1/1 [=====] - 0s 83ms/step
>10732, dr[0.721,0.564], df[0.720,0.011], g[0.829,0.067]
1/1 [=====] - 0s 100ms/step
>10733, dr[0.694,0.506], df[0.727,0.021], g[0.772,0.023]
1/1 [=====] - 0s 111ms/step
>10734, dr[0.739,0.368], df[0.735,0.041], g[0.809,0.014]
1/1 [=====] - 0s 92ms/step
>10735, dr[0.689,0.319], df[0.688,0.040], g[0.837,0.029]
1/1 [=====] - 0s 118ms/step
>10736, dr[0.714,0.321], df[0.728,0.011], g[0.761,0.026]
1/1 [=====] - 0s 114ms/step
>10737, dr[0.595,0.211], df[0.621,0.036], g[0.768,0.025]
1/1 [=====] - 0s 119ms/step
>10738, dr[0.647,0.319], df[0.759,0.041], g[0.878,0.023]
1/1 [=====] - 0s 101ms/step
>10739, dr[0.674,0.744], df[0.681,0.015], g[0.790,0.020]
1/1 [=====] - 0s 102ms/step
>10740, dr[0.770,0.561], df[0.703,0.030], g[0.814,0.024]
1/1 [=====] - 0s 90ms/step
>10741, dr[0.711,0.354], df[0.755,0.043], g[0.786,0.041]
1/1 [=====] - 0s 90ms/step
>10742, dr[0.676,0.318], df[0.678,0.024], g[0.793,0.030]
1/1 [=====] - 0s 103ms/step
>10743, dr[0.685,0.589], df[0.691,0.025], g[0.781,0.030]
1/1 [=====] - 0s 86ms/step
>10744, dr[0.664,0.324], df[0.708,0.014], g[0.826,0.045]
1/1 [=====] - 0s 85ms/step
>10745, dr[0.770,0.402], df[0.832,0.026], g[0.839,0.029]
1/1 [=====] - 0s 92ms/step
>10746, dr[0.706,0.541], df[0.727,0.024], g[0.872,0.047]
1/1 [=====] - 0s 85ms/step
>10747, dr[0.623,0.613], df[0.616,0.037], g[0.860,0.020]
1/1 [=====] - 0s 97ms/step
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>10748, dr[0.746,0.678], df[0.748,0.023], g[0.771,0.029]
1/1 [=====] - 0s 95ms/step
>10749, dr[0.637,0.451], df[0.686,0.027], g[0.825,0.022]
1/1 [=====] - 0s 101ms/step
>10750, dr[0.666,0.327], df[0.692,0.016], g[0.815,0.014]
1/1 [=====] - 0s 100ms/step
>10751, dr[0.741,0.245], df[0.703,0.041], g[0.774,0.022]
1/1 [=====] - 0s 87ms/step
>10752, dr[0.632,0.414], df[0.661,0.052], g[0.910,0.087]
1/1 [=====] - 0s 85ms/step
>10753, dr[0.785,0.489], df[0.713,0.034], g[0.737,0.024]
1/1 [=====] - 0s 85ms/step
>10754, dr[0.670,0.585], df[0.775,0.025], g[0.775,0.026]
1/1 [=====] - 0s 82ms/step
>10755, dr[0.620,0.470], df[0.718,0.026], g[0.790,0.033]
1/1 [=====] - 0s 82ms/step
>10756, dr[0.698,0.240], df[0.688,0.015], g[0.870,0.016]
1/1 [=====] - 0s 84ms/step
>10757, dr[0.788,0.610], df[0.673,0.029], g[0.813,0.033]
1/1 [=====] - 0s 87ms/step
>10758, dr[0.608,0.295], df[0.729,0.034], g[0.772,0.031]
1/1 [=====] - 0s 102ms/step
>10759, dr[0.613,0.476], df[0.657,0.043], g[0.821,0.014]
1/1 [=====] - 0s 118ms/step
>10760, dr[0.705,0.305], df[0.738,0.017], g[0.718,0.019]
1/1 [=====] - 0s 123ms/step
>10761, dr[0.662,0.450], df[0.778,0.044], g[0.763,0.024]
1/1 [=====] - 0s 125ms/step
>10762, dr[0.616,0.444], df[0.723,0.031], g[0.779,0.029]
1/1 [=====] - 0s 124ms/step
>10763, dr[0.591,0.381], df[0.595,0.022], g[0.833,0.026]
1/1 [=====] - 0s 90ms/step
>10764, dr[0.704,0.361], df[0.758,0.090], g[0.802,0.031]
1/1 [=====] - 0s 87ms/step
>10765, dr[0.697,0.560], df[0.683,0.019], g[0.799,0.031]
1/1 [=====] - 0s 82ms/step
>10766, dr[0.662,0.630], df[0.671,0.013], g[0.732,0.036]
1/1 [=====] - 0s 82ms/step
>10767, dr[0.704,0.553], df[0.722,0.045], g[0.797,0.022]
1/1 [=====] - 0s 88ms/step
>10768, dr[0.722,0.204], df[0.671,0.026], g[0.859,0.014]
1/1 [=====] - 0s 93ms/step
>10769, dr[0.634,0.439], df[0.751,0.062], g[0.834,0.037]
1/1 [=====] - 0s 81ms/step
>10770, dr[0.647,0.570], df[0.659,0.024], g[0.765,0.013]
1/1 [=====] - 0s 90ms/step
>10771, dr[0.698,0.299], df[0.731,0.014], g[0.819,0.031]
1/1 [=====] - 0s 84ms/step
>10772, dr[0.801,0.568], df[0.669,0.016], g[0.762,0.035]
1/1 [=====] - 0s 83ms/step
>10773, dr[0.686,0.667], df[0.742,0.039], g[0.794,0.036]
1/1 [=====] - 0s 83ms/step
>10774, dr[0.625,0.620], df[0.710,0.014], g[0.794,0.038]
1/1 [=====] - 0s 90ms/step
>10775, dr[0.680,0.589], df[0.661,0.018], g[0.818,0.021]
1/1 [=====] - 0s 84ms/step
>10776, dr[0.826,0.513], df[0.807,0.029], g[0.861,0.038]
1/1 [=====] - 0s 82ms/step
>10777, dr[0.745,0.732], df[0.767,0.027], g[0.820,0.025]
1/1 [=====] - 0s 92ms/step
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>10778, dr[0.651,0.371], df[0.681,0.021], g[0.845,0.025]
1/1 [=====] - 0s 82ms/step
>10779, dr[0.632,0.499], df[0.654,0.024], g[0.820,0.020]
1/1 [=====] - 0s 83ms/step
>10780, dr[0.650,0.350], df[0.608,0.020], g[0.838,0.033]
1/1 [=====] - 0s 90ms/step
>10781, dr[0.673,0.364], df[0.603,0.021], g[0.841,0.023]
1/1 [=====] - 0s 84ms/step
>10782, dr[0.677,0.253], df[0.755,0.014], g[0.807,0.069]
1/1 [=====] - 0s 84ms/step
>10783, dr[0.676,0.708], df[0.706,0.052], g[0.830,0.029]
1/1 [=====] - 0s 96ms/step
>10784, dr[0.649,0.289], df[0.694,0.017], g[0.850,0.022]
1/1 [=====] - 0s 91ms/step
>10785, dr[0.739,0.432], df[0.653,0.021], g[0.772,0.029]
1/1 [=====] - 0s 88ms/step
>10786, dr[0.626,0.382], df[0.786,0.033], g[0.870,0.041]
1/1 [=====] - 0s 84ms/step
>10787, dr[0.729,0.743], df[0.693,0.021], g[0.790,0.039]
1/1 [=====] - 0s 83ms/step
>10788, dr[0.703,0.378], df[0.736,0.013], g[0.754,0.018]
1/1 [=====] - 0s 81ms/step
>10789, dr[0.700,0.350], df[0.702,0.045], g[0.858,0.047]
1/1 [=====] - 0s 87ms/step
>10790, dr[0.571,0.334], df[0.677,0.027], g[0.749,0.024]
1/1 [=====] - 0s 84ms/step
>10791, dr[0.621,0.583], df[0.690,0.010], g[0.857,0.037]
1/1 [=====] - 0s 80ms/step
>10792, dr[0.773,0.670], df[0.738,0.034], g[0.870,0.027]
1/1 [=====] - 0s 90ms/step
>10793, dr[0.602,0.800], df[0.745,0.014], g[0.847,0.032]
1/1 [=====] - 0s 82ms/step
>10794, dr[0.753,0.112], df[0.711,0.018], g[0.830,0.042]
1/1 [=====] - 0s 83ms/step
>10795, dr[0.740,0.221], df[0.709,0.023], g[0.762,0.019]
1/1 [=====] - 0s 89ms/step
>10796, dr[0.635,0.390], df[0.720,0.026], g[0.833,0.033]
1/1 [=====] - 0s 83ms/step
>10797, dr[0.689,0.603], df[0.656,0.038], g[0.815,0.039]
1/1 [=====] - 0s 82ms/step
>10798, dr[0.725,0.521], df[0.647,0.026], g[0.823,0.022]
1/1 [=====] - 0s 90ms/step
>10799, dr[0.611,0.643], df[0.791,0.048], g[0.819,0.021]
1/1 [=====] - 0s 83ms/step
>10800, dr[0.654,0.458], df[0.734,0.051], g[0.805,0.039]
1/1 [=====] - 0s 82ms/step
>10801, dr[0.707,0.450], df[0.654,0.032], g[0.799,0.038]
1/1 [=====] - 0s 84ms/step
>10802, dr[0.676,0.196], df[0.739,0.030], g[0.861,0.032]
1/1 [=====] - 0s 83ms/step
>10803, dr[0.661,0.359], df[0.708,0.016], g[0.916,0.024]
1/1 [=====] - 0s 86ms/step
>10804, dr[0.857,0.896], df[0.644,0.016], g[0.813,0.023]
1/1 [=====] - 0s 94ms/step
>10805, dr[0.766,0.611], df[0.694,0.024], g[0.797,0.024]
1/1 [=====] - 0s 88ms/step
>10806, dr[0.636,0.498], df[0.707,0.042], g[0.827,0.022]
1/1 [=====] - 0s 84ms/step
>10807, dr[0.644,0.311], df[0.670,0.034], g[0.869,0.025]
1/1 [=====] - 0s 83ms/step
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>10808, dr[0.715,0.697], df[0.575,0.013], g[0.808,0.027]
1/1 [=====] - 0s 87ms/step
>10809, dr[0.645,0.491], df[0.665,0.015], g[0.705,0.038]
1/1 [=====] - 0s 90ms/step
>10810, dr[0.622,0.360], df[0.731,0.019], g[0.750,0.040]
1/1 [=====] - 0s 84ms/step
>10811, dr[0.644,0.579], df[0.700,0.010], g[0.785,0.024]
1/1 [=====] - 0s 91ms/step
>10812, dr[0.685,0.282], df[0.602,0.029], g[0.755,0.021]
1/1 [=====] - 0s 85ms/step
>10813, dr[0.692,0.422], df[0.654,0.014], g[0.761,0.016]
1/1 [=====] - 0s 89ms/step
>10814, dr[0.645,0.275], df[0.799,0.028], g[0.741,0.028]
1/1 [=====] - 0s 90ms/step
>10815, dr[0.599,0.321], df[0.800,0.019], g[0.930,0.017]
1/1 [=====] - 0s 82ms/step
>10816, dr[0.709,0.569], df[0.699,0.015], g[0.800,0.017]
1/1 [=====] - 0s 83ms/step
>10817, dr[0.691,0.784], df[0.640,0.037], g[0.875,0.030]
1/1 [=====] - 0s 99ms/step
>10818, dr[0.691,0.423], df[0.708,0.025], g[0.845,0.028]
1/1 [=====] - 0s 87ms/step
>10819, dr[0.681,0.672], df[0.705,0.024], g[0.834,0.026]
1/1 [=====] - 0s 87ms/step
>10820, dr[0.730,0.449], df[0.653,0.021], g[0.844,0.024]
1/1 [=====] - 0s 90ms/step
>10821, dr[0.658,0.365], df[0.675,0.029], g[0.805,0.050]
1/1 [=====] - 0s 86ms/step
>10822, dr[0.621,0.355], df[0.683,0.021], g[0.808,0.025]
1/1 [=====] - 0s 104ms/step
>10823, dr[0.578,0.335], df[0.701,0.014], g[0.840,0.024]
1/1 [=====] - 0s 125ms/step
>10824, dr[0.761,0.484], df[0.752,0.017], g[0.784,0.029]
1/1 [=====] - 0s 81ms/step
>10825, dr[0.683,0.736], df[0.643,0.021], g[0.818,0.021]
1/1 [=====] - 0s 88ms/step
>10826, dr[0.627,0.250], df[0.556,0.015], g[0.786,0.027]
1/1 [=====] - 0s 86ms/step
>10827, dr[0.707,0.701], df[0.666,0.033], g[0.787,0.038]
1/1 [=====] - 0s 82ms/step
>10828, dr[0.651,0.373], df[0.715,0.050], g[0.765,0.039]
1/1 [=====] - 0s 84ms/step
>10829, dr[0.680,0.410], df[0.657,0.014], g[0.807,0.021]
1/1 [=====] - 0s 86ms/step
>10830, dr[0.748,0.480], df[0.613,0.027], g[0.740,0.031]
1/1 [=====] - 0s 84ms/step
>10831, dr[0.610,0.390], df[0.667,0.024], g[0.753,0.035]
1/1 [=====] - 0s 86ms/step
>10832, dr[0.758,0.361], df[0.763,0.014], g[0.721,0.033]
1/1 [=====] - 0s 87ms/step
>10833, dr[0.594,0.360], df[0.743,0.041], g[0.789,0.046]
1/1 [=====] - 0s 86ms/step
>10834, dr[0.725,0.455], df[0.781,0.037], g[0.794,0.036]
1/1 [=====] - 0s 87ms/step
>10835, dr[0.677,0.287], df[0.677,0.029], g[0.801,0.027]
1/1 [=====] - 0s 90ms/step
>10836, dr[0.653,0.507], df[0.694,0.031], g[0.748,0.032]
1/1 [=====] - 0s 115ms/step
>10837, dr[0.684,0.311], df[0.738,0.031], g[0.750,0.017]
1/1 [=====] - 0s 86ms/step
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>10838, dr[0.659,0.345], df[0.630,0.016], g[0.766,0.022]
1/1 [=====] - 0s 91ms/step
>10839, dr[0.645,0.348], df[0.738,0.014], g[0.799,0.064]
1/1 [=====] - 0s 82ms/step
>10840, dr[0.612,0.280], df[0.773,0.031], g[0.778,0.035]
1/1 [=====] - 0s 85ms/step
>10841, dr[0.738,0.733], df[0.637,0.031], g[0.779,0.034]
1/1 [=====] - 0s 85ms/step
>10842, dr[0.698,0.524], df[0.690,0.028], g[0.727,0.030]
1/1 [=====] - 0s 86ms/step
>10843, dr[0.674,0.366], df[0.687,0.048], g[0.780,0.022]
1/1 [=====] - 0s 83ms/step
>10844, dr[0.637,0.472], df[0.662,0.040], g[0.875,0.026]
1/1 [=====] - 0s 90ms/step
>10845, dr[0.618,0.233], df[0.656,0.015], g[0.790,0.030]
1/1 [=====] - 0s 83ms/step
>10846, dr[0.730,0.621], df[0.750,0.021], g[0.750,0.018]
1/1 [=====] - 0s 80ms/step
>10847, dr[0.592,0.586], df[0.698,0.026], g[0.827,0.024]
1/1 [=====] - 0s 96ms/step
>10848, dr[0.603,0.518], df[0.660,0.021], g[0.760,0.019]
1/1 [=====] - 0s 81ms/step
>10849, dr[0.573,0.314], df[0.623,0.024], g[0.822,0.057]
1/1 [=====] - 0s 82ms/step
>10850, dr[0.680,0.246], df[0.705,0.049], g[0.834,0.026]
1/1 [=====] - 0s 88ms/step
>10851, dr[0.732,0.711], df[0.766,0.062], g[0.828,0.023]
1/1 [=====] - 0s 83ms/step
>10852, dr[0.734,0.381], df[0.799,0.067], g[0.890,0.078]
1/1 [=====] - 0s 86ms/step
>10853, dr[0.697,0.443], df[0.636,0.021], g[0.836,0.041]
1/1 [=====] - 0s 82ms/step
>10854, dr[0.656,0.192], df[0.664,0.039], g[0.818,0.031]
1/1 [=====] - 0s 84ms/step
>10855, dr[0.671,0.492], df[0.713,0.038], g[0.800,0.028]
1/1 [=====] - 0s 82ms/step
>10856, dr[0.637,0.602], df[0.613,0.027], g[0.830,0.017]
1/1 [=====] - 0s 85ms/step
>10857, dr[0.669,0.386], df[0.671,0.026], g[0.841,0.030]
1/1 [=====] - 0s 85ms/step
>10858, dr[0.722,0.499], df[0.729,0.019], g[0.790,0.026]
1/1 [=====] - 0s 89ms/step
>10859, dr[0.668,0.414], df[0.701,0.128], g[0.722,0.075]
1/1 [=====] - 0s 82ms/step
>10860, dr[0.646,0.903], df[0.616,0.047], g[0.827,0.019]
1/1 [=====] - 0s 84ms/step
>10861, dr[0.647,0.418], df[0.680,0.028], g[0.846,0.028]
1/1 [=====] - 0s 83ms/step
>10862, dr[0.680,0.429], df[0.734,0.023], g[0.799,0.062]
1/1 [=====] - 0s 90ms/step
>10863, dr[0.665,0.252], df[0.640,0.020], g[0.734,0.051]
1/1 [=====] - 0s 83ms/step
>10864, dr[0.704,0.464], df[0.711,0.030], g[0.776,0.027]
1/1 [=====] - 0s 83ms/step
>10865, dr[0.654,0.329], df[0.674,0.028], g[0.760,0.019]
1/1 [=====] - 0s 82ms/step
>10866, dr[0.642,0.867], df[0.792,0.029], g[0.812,0.027]
1/1 [=====] - 0s 85ms/step
>10867, dr[0.668,0.546], df[0.803,0.059], g[0.824,0.031]
1/1 [=====] - 0s 80ms/step
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>10868, dr[0.720,0.598], df[0.799,0.020], g[0.822,0.034]
1/1 [=====] - 0s 86ms/step
>10869, dr[0.664,0.484], df[0.631,0.068], g[0.803,0.025]
1/1 [=====] - 0s 84ms/step
>10870, dr[0.760,0.248], df[0.752,0.018], g[0.812,0.073]
1/1 [=====] - 0s 82ms/step
>10871, dr[0.664,0.424], df[0.665,0.036], g[0.856,0.067]
1/1 [=====] - 0s 83ms/step
>10872, dr[0.646,0.605], df[0.625,0.035], g[0.825,0.024]
1/1 [=====] - 0s 82ms/step
>10873, dr[0.722,0.334], df[0.755,0.049], g[0.795,0.046]
1/1 [=====] - 0s 86ms/step
>10874, dr[0.743,0.400], df[0.630,0.024], g[0.846,0.078]
1/1 [=====] - 0s 88ms/step
>10875, dr[0.714,0.407], df[0.674,0.023], g[0.823,0.036]
1/1 [=====] - 0s 87ms/step
>10876, dr[0.612,0.518], df[0.699,0.033], g[0.818,0.032]
1/1 [=====] - 0s 88ms/step
>10877, dr[0.619,0.173], df[0.705,0.027], g[0.832,0.037]
1/1 [=====] - 0s 103ms/step
>10878, dr[0.654,0.623], df[0.709,0.027], g[0.812,0.017]
1/1 [=====] - 0s 90ms/step
>10879, dr[0.652,0.367], df[0.774,0.021], g[0.798,0.030]
1/1 [=====] - 0s 85ms/step
>10880, dr[0.662,0.272], df[0.676,0.018], g[0.812,0.048]
1/1 [=====] - 0s 93ms/step
>10881, dr[0.646,0.561], df[0.727,0.031], g[0.865,0.027]
1/1 [=====] - 0s 118ms/step
>10882, dr[0.679,0.479], df[0.709,0.021], g[0.811,0.060]
1/1 [=====] - 0s 98ms/step
>10883, dr[0.558,0.469], df[0.663,0.013], g[0.874,0.029]
1/1 [=====] - 0s 103ms/step
>10884, dr[0.620,0.746], df[0.665,0.016], g[0.818,0.024]
1/1 [=====] - 0s 84ms/step
>10885, dr[0.704,0.302], df[0.631,0.027], g[0.822,0.021]
1/1 [=====] - 0s 91ms/step
>10886, dr[0.718,0.372], df[0.761,0.016], g[0.880,0.023]
1/1 [=====] - 0s 82ms/step
>10887, dr[0.647,0.535], df[0.652,0.033], g[0.836,0.031]
1/1 [=====] - 0s 98ms/step
>10888, dr[0.632,0.265], df[0.748,0.029], g[0.903,0.029]
1/1 [=====] - 0s 115ms/step
>10889, dr[0.705,0.598], df[0.745,0.026], g[0.836,0.043]
1/1 [=====] - 0s 101ms/step
>10890, dr[0.659,0.313], df[0.601,0.020], g[0.851,0.033]
1/1 [=====] - 0s 96ms/step
>10891, dr[0.781,0.706], df[0.645,0.044], g[0.867,0.028]
1/1 [=====] - 0s 101ms/step
>10892, dr[0.724,0.426], df[0.674,0.028], g[0.822,0.016]
1/1 [=====] - 0s 90ms/step
>10893, dr[0.761,0.731], df[0.730,0.040], g[0.787,0.039]
1/1 [=====] - 0s 100ms/step
>10894, dr[0.638,0.225], df[0.708,0.036], g[0.758,0.034]
1/1 [=====] - 0s 90ms/step
>10895, dr[0.685,0.472], df[0.635,0.020], g[0.755,0.033]
1/1 [=====] - 0s 109ms/step
>10896, dr[0.686,0.367], df[0.689,0.024], g[0.793,0.034]
1/1 [=====] - 0s 91ms/step
>10897, dr[0.728,0.588], df[0.756,0.029], g[0.855,0.041]
1/1 [=====] - 0s 86ms/step
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```
>10898, dr[0.649,0.548], df[0.828,0.022], g[0.837,0.027]
1/1 [=====] - 0s 86ms/step
>10899, dr[0.749,0.163], df[0.650,0.025], g[0.814,0.025]
1/1 [=====] - 0s 95ms/step
>10900, dr[0.673,0.438], df[0.661,0.013], g[0.801,0.034]
1/1 [=====] - 0s 97ms/step
>10901, dr[0.761,0.621], df[0.660,0.042], g[0.786,0.033]
1/1 [=====] - 0s 87ms/step
>10902, dr[0.743,0.423], df[0.823,0.075], g[0.789,0.017]
1/1 [=====] - 0s 113ms/step
>10903, dr[0.611,0.298], df[0.628,0.028], g[0.857,0.012]
1/1 [=====] - 0s 106ms/step
>10904, dr[0.658,0.510], df[0.775,0.037], g[0.795,0.057]
1/1 [=====] - 0s 87ms/step
>10905, dr[0.715,0.302], df[0.667,0.018], g[0.826,0.039]
1/1 [=====] - 0s 105ms/step
>10906, dr[0.754,0.311], df[0.624,0.014], g[0.828,0.031]
1/1 [=====] - 0s 117ms/step
>10907, dr[0.654,0.331], df[0.702,0.037], g[0.811,0.040]
1/1 [=====] - 0s 84ms/step
>10908, dr[0.657,0.358], df[0.684,0.013], g[0.774,0.022]
1/1 [=====] - 0s 83ms/step
>10909, dr[0.723,0.565], df[0.697,0.033], g[0.820,0.041]
1/1 [=====] - 0s 106ms/step
>10910, dr[0.713,0.264], df[0.682,0.021], g[0.828,0.030]
1/1 [=====] - 0s 104ms/step
>10911, dr[0.714,0.413], df[0.808,0.039], g[0.818,0.034]
1/1 [=====] - 0s 94ms/step
>10912, dr[0.718,0.749], df[0.738,0.021], g[0.893,0.018]
1/1 [=====] - 0s 99ms/step
>10913, dr[0.676,0.282], df[0.776,0.011], g[0.812,0.054]
1/1 [=====] - 0s 102ms/step
>10914, dr[0.648,0.287], df[0.665,0.044], g[0.777,0.022]
1/1 [=====] - 0s 88ms/step
>10915, dr[0.639,0.284], df[0.634,0.026], g[0.804,0.013]
1/1 [=====] - 0s 95ms/step
>10916, dr[0.663,0.337], df[0.644,0.026], g[0.752,0.047]
1/1 [=====] - 0s 104ms/step
>10917, dr[0.747,0.261], df[0.826,0.036], g[0.788,0.031]
1/1 [=====] - 0s 117ms/step
>10918, dr[0.676,0.351], df[0.631,0.020], g[0.869,0.031]
1/1 [=====] - 0s 98ms/step
>10919, dr[0.611,0.415], df[0.673,0.009], g[0.764,0.036]
1/1 [=====] - 0s 99ms/step
>10920, dr[0.666,0.566], df[0.751,0.055], g[0.793,0.028]
1/1 [=====] - 0s 97ms/step
>10921, dr[0.743,0.453], df[0.801,0.059], g[0.812,0.029]
1/1 [=====] - 0s 104ms/step
>10922, dr[0.704,0.340], df[0.685,0.026], g[0.870,0.021]
1/1 [=====] - 0s 90ms/step
>10923, dr[0.693,0.369], df[0.701,0.021], g[0.823,0.025]
1/1 [=====] - 0s 88ms/step
>10924, dr[0.702,0.529], df[0.715,0.016], g[0.792,0.029]
1/1 [=====] - 0s 103ms/step
>10925, dr[0.743,0.578], df[0.732,0.020], g[0.832,0.022]
1/1 [=====] - 0s 94ms/step
>10926, dr[0.708,0.549], df[0.664,0.045], g[0.855,0.021]
1/1 [=====] - 0s 88ms/step
>10927, dr[0.695,0.470], df[0.680,0.045], g[0.816,0.042]
1/1 [=====] - 0s 91ms/step
```

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>10928, dr[0.759,0.755], df[0.738,0.023], g[0.815,0.037]
1/1 [=====] - 0s 105ms/step
>10929, dr[0.629,0.627], df[0.598,0.028], g[0.732,0.031]
1/1 [=====] - 0s 92ms/step
>10930, dr[0.572,0.418], df[0.687,0.023], g[0.739,0.016]
1/1 [=====] - 0s 89ms/step
>10931, dr[0.688,0.440], df[0.770,0.028], g[0.862,0.020]
1/1 [=====] - 0s 94ms/step
>10932, dr[0.622,0.434], df[0.736,0.015], g[0.817,0.019]
1/1 [=====] - 0s 95ms/step
>10933, dr[0.622,0.298], df[0.622,0.018], g[0.818,0.028]
1/1 [=====] - 0s 92ms/step
>10934, dr[0.629,0.471], df[0.656,0.093], g[0.901,0.031]
1/1 [=====] - 0s 89ms/step
>10935, dr[0.639,0.403], df[0.726,0.036], g[0.823,0.030]
1/1 [=====] - 0s 97ms/step
>10936, dr[0.661,0.309], df[0.671,0.022], g[0.773,0.025]
1/1 [=====] - 0s 97ms/step
>10937, dr[0.674,0.401], df[0.681,0.024], g[0.863,0.039]
1/1 [=====] - 0s 86ms/step
>10938, dr[0.772,0.641], df[0.701,0.056], g[0.809,0.034]
1/1 [=====] - 0s 98ms/step
>10939, dr[0.708,0.605], df[0.665,0.064], g[0.842,0.046]
1/1 [=====] - 0s 87ms/step
>10940, dr[0.667,0.183], df[0.770,0.032], g[0.880,0.023]
1/1 [=====] - 0s 89ms/step
>10941, dr[0.737,0.371], df[0.659,0.015], g[0.827,0.036]
1/1 [=====] - 0s 91ms/step
>10942, dr[0.667,0.370], df[0.806,0.046], g[0.870,0.049]
1/1 [=====] - 0s 100ms/step
>10943, dr[0.733,0.344], df[0.716,0.031], g[0.783,0.023]
1/1 [=====] - 0s 100ms/step
>10944, dr[0.665,0.757], df[0.653,0.034], g[0.856,0.037]
1/1 [=====] - 0s 93ms/step
>10945, dr[0.648,0.298], df[0.819,0.018], g[0.813,0.043]
1/1 [=====] - 0s 106ms/step
>10946, dr[0.665,0.606], df[0.746,0.022], g[0.884,0.051]
1/1 [=====] - 0s 128ms/step
>10947, dr[0.727,0.415], df[0.671,0.029], g[0.868,0.038]
1/1 [=====] - 0s 119ms/step
>10948, dr[0.725,0.272], df[0.694,0.032], g[0.832,0.035]
1/1 [=====] - 0s 103ms/step
>10949, dr[0.754,0.455], df[0.626,0.023], g[0.842,0.021]
1/1 [=====] - 0s 87ms/step
>10950, dr[0.756,0.294], df[0.758,0.032], g[0.855,0.022]
1/1 [=====] - 0s 89ms/step
>10951, dr[0.638,0.371], df[0.702,0.027], g[0.788,0.015]
1/1 [=====] - 0s 209ms/step
>10952, dr[0.698,0.535], df[0.740,0.019], g[0.823,0.022]
1/1 [=====] - 0s 103ms/step
>10953, dr[0.707,0.365], df[0.677,0.030], g[0.802,0.033]
1/1 [=====] - 0s 89ms/step
>10954, dr[0.749,0.472], df[0.686,0.028], g[0.776,0.045]
1/1 [=====] - 0s 133ms/step
>10955, dr[0.574,0.571], df[0.822,0.044], g[0.753,0.051]
1/1 [=====] - 0s 88ms/step
>10956, dr[0.709,0.308], df[0.722,0.136], g[0.877,0.016]
1/1 [=====] - 0s 90ms/step
>10957, dr[0.679,0.685], df[0.725,0.039], g[0.828,0.028]
1/1 [=====] - 0s 84ms/step
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>10958, dr[0.742,0.647], df[0.675,0.039], g[0.848,0.021]
1/1 [=====] - 0s 87ms/step
>10959, dr[0.788,0.745], df[0.711,0.028], g[0.813,0.028]
1/1 [=====] - 0s 95ms/step
>10960, dr[0.743,0.888], df[0.660,0.045], g[0.769,0.026]
1/1 [=====] - 0s 105ms/step
>10961, dr[0.732,0.294], df[0.714,0.017], g[0.787,0.022]
1/1 [=====] - 0s 84ms/step
>10962, dr[0.584,0.526], df[0.674,0.020], g[0.834,0.049]
1/1 [=====] - 0s 129ms/step
>10963, dr[0.710,0.517], df[0.707,0.038], g[0.837,0.018]
1/1 [=====] - 0s 84ms/step
>10964, dr[0.670,0.626], df[0.712,0.020], g[0.788,0.040]
1/1 [=====] - 0s 84ms/step
>10965, dr[0.687,0.563], df[0.766,0.014], g[0.753,0.044]
1/1 [=====] - 0s 84ms/step
>10966, dr[0.617,0.685], df[0.752,0.023], g[0.813,0.021]
1/1 [=====] - 0s 82ms/step
>10967, dr[0.660,0.735], df[0.616,0.010], g[0.978,0.018]
1/1 [=====] - 0s 85ms/step
>10968, dr[0.712,0.455], df[0.660,0.032], g[0.785,0.055]
1/1 [=====] - 0s 93ms/step
>10969, dr[0.637,0.484], df[0.616,0.031], g[0.792,0.054]
1/1 [=====] - 0s 148ms/step
>10970, dr[0.657,0.771], df[0.625,0.033], g[0.837,0.020]
1/1 [=====] - 0s 91ms/step
>10971, dr[0.821,0.348], df[0.764,0.047], g[0.801,0.039]
1/1 [=====] - 0s 88ms/step
>10972, dr[0.666,0.627], df[0.687,0.027], g[0.864,0.015]
1/1 [=====] - 0s 98ms/step
>10973, dr[0.646,0.393], df[0.711,0.020], g[0.852,0.038]
1/1 [=====] - 0s 87ms/step
>10974, dr[0.656,0.561], df[0.672,0.071], g[0.827,0.032]
1/1 [=====] - 0s 85ms/step
>10975, dr[0.655,0.670], df[0.749,0.034], g[0.801,0.025]
1/1 [=====] - 0s 88ms/step
>10976, dr[0.598,0.313], df[0.582,0.020], g[0.854,0.024]
1/1 [=====] - 0s 92ms/step
>10977, dr[0.771,0.395], df[0.671,0.053], g[0.807,0.019]
1/1 [=====] - 0s 87ms/step
>10978, dr[0.729,0.614], df[0.741,0.021], g[0.759,0.026]
1/1 [=====] - 0s 86ms/step
>10979, dr[0.766,0.524], df[0.737,0.031], g[0.817,0.032]
1/1 [=====] - 0s 86ms/step
>10980, dr[0.710,0.732], df[0.744,0.037], g[0.781,0.041]
1/1 [=====] - 0s 91ms/step
>10981, dr[0.644,0.346], df[0.753,0.023], g[0.808,0.038]
1/1 [=====] - 0s 84ms/step
>10982, dr[0.670,0.569], df[0.760,0.021], g[0.801,0.027]
1/1 [=====] - 0s 93ms/step
>10983, dr[0.654,0.457], df[0.692,0.031], g[0.799,0.030]
1/1 [=====] - 0s 87ms/step
>10984, dr[0.607,0.458], df[0.643,0.042], g[0.849,0.044]
1/1 [=====] - 0s 85ms/step
>10985, dr[0.659,0.629], df[0.614,0.019], g[0.746,0.033]
1/1 [=====] - 0s 90ms/step
>10986, dr[0.650,0.493], df[0.719,0.017], g[0.728,0.037]
1/1 [=====] - 0s 84ms/step
>10987, dr[0.736,0.463], df[0.714,0.033], g[0.832,0.034]
1/1 [=====] - 0s 86ms/step
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>10988, dr[0.680,0.388], df[0.818,0.044], g[0.809,0.016]
1/1 [=====] - 0s 94ms/step
>10989, dr[0.714,0.280], df[0.725,0.021], g[0.844,0.023]
1/1 [=====] - 0s 82ms/step
>10990, dr[0.586,0.724], df[0.633,0.028], g[0.831,0.035]
1/1 [=====] - 0s 86ms/step
>10991, dr[0.701,0.695], df[0.751,0.031], g[0.768,0.045]
1/1 [=====] - 0s 100ms/step
>10992, dr[0.747,0.574], df[0.685,0.037], g[0.789,0.052]
1/1 [=====] - 0s 86ms/step
>10993, dr[0.727,0.349], df[0.687,0.024], g[0.791,0.057]
1/1 [=====] - 0s 85ms/step
>10994, dr[0.682,0.413], df[0.764,0.040], g[0.802,0.031]
1/1 [=====] - 0s 90ms/step
>10995, dr[0.642,0.318], df[0.715,0.021], g[0.863,0.025]
1/1 [=====] - 0s 84ms/step
>10996, dr[0.673,0.347], df[0.724,0.035], g[0.795,0.025]
1/1 [=====] - 0s 89ms/step
>10997, dr[0.697,0.453], df[0.646,0.016], g[0.796,0.066]
1/1 [=====] - 0s 89ms/step
>10998, dr[0.656,0.372], df[0.645,0.008], g[0.814,0.014]
1/1 [=====] - 0s 83ms/step
>10999, dr[0.653,0.563], df[0.717,0.022], g[0.830,0.023]
1/1 [=====] - 0s 98ms/step
>11000, dr[0.567,0.185], df[0.727,0.019], g[0.859,0.045]
1/1 [=====] - 0s 87ms/step
>11001, dr[0.710,0.250], df[0.696,0.022], g[0.804,0.048]
1/1 [=====] - 0s 82ms/step
>11002, dr[0.623,0.708], df[0.674,0.046], g[0.862,0.022]
1/1 [=====] - 0s 88ms/step
>11003, dr[0.732,0.494], df[0.783,0.022], g[0.826,0.042]
1/1 [=====] - 0s 93ms/step
>11004, dr[0.670,0.270], df[0.784,0.047], g[0.863,0.033]
1/1 [=====] - 0s 84ms/step
>11005, dr[0.638,0.435], df[0.595,0.026], g[0.776,0.034]
1/1 [=====] - 0s 88ms/step
>11006, dr[0.796,0.547], df[0.660,0.023], g[0.819,0.044]
1/1 [=====] - 0s 96ms/step
>11007, dr[0.785,0.695], df[0.685,0.028], g[0.864,0.016]
1/1 [=====] - 0s 83ms/step
>11008, dr[0.739,0.301], df[0.696,0.034], g[0.904,0.030]
1/1 [=====] - 0s 87ms/step
>11009, dr[0.652,0.314], df[0.637,0.018], g[0.770,0.040]
1/1 [=====] - 0s 95ms/step
>11010, dr[0.612,0.358], df[0.701,0.020], g[0.842,0.014]
1/1 [=====] - 0s 84ms/step
>11011, dr[0.729,0.360], df[0.704,0.041], g[0.859,0.019]
1/1 [=====] - 0s 88ms/step
>11012, dr[0.740,0.734], df[0.691,0.020], g[0.784,0.037]
1/1 [=====] - 0s 88ms/step
>11013, dr[0.714,0.696], df[0.674,0.053], g[0.822,0.013]
1/1 [=====] - 0s 85ms/step
>11014, dr[0.615,0.382], df[0.789,0.031], g[0.754,0.034]
1/1 [=====] - 0s 81ms/step
>11015, dr[0.643,0.431], df[0.717,0.067], g[0.873,0.034]
1/1 [=====] - 0s 89ms/step
>11016, dr[0.661,0.501], df[0.585,0.060], g[0.759,0.048]
1/1 [=====] - 0s 87ms/step
>11017, dr[0.681,0.236], df[0.688,0.027], g[0.882,0.041]
1/1 [=====] - 0s 82ms/step
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>11018, dr[0.803,0.786], df[0.756,0.034], g[0.798,0.021]
1/1 [=====] - 0s 93ms/step
>11019, dr[0.782,0.327], df[0.731,0.011], g[0.787,0.030]
1/1 [=====] - 0s 84ms/step
>11020, dr[0.747,0.825], df[0.798,0.028], g[0.768,0.025]
1/1 [=====] - 0s 83ms/step
>11021, dr[0.698,0.511], df[0.716,0.031], g[0.754,0.061]
1/1 [=====] - 0s 91ms/step
>11022, dr[0.558,0.695], df[0.729,0.030], g[0.884,0.023]
1/1 [=====] - 0s 89ms/step
>11023, dr[0.723,0.555], df[0.598,0.038], g[0.836,0.025]
1/1 [=====] - 0s 84ms/step
>11024, dr[0.692,0.777], df[0.654,0.018], g[0.819,0.025]
1/1 [=====] - 0s 88ms/step
>11025, dr[0.662,0.279], df[0.833,0.039], g[0.785,0.021]
1/1 [=====] - 0s 84ms/step
>11026, dr[0.633,0.410], df[0.713,0.036], g[0.883,0.023]
1/1 [=====] - 0s 86ms/step
>11027, dr[0.738,0.739], df[0.668,0.025], g[0.820,0.023]
1/1 [=====] - 0s 90ms/step
>11028, dr[0.660,0.582], df[0.749,0.055], g[0.821,0.055]
1/1 [=====] - 0s 84ms/step
>11029, dr[0.665,0.254], df[0.714,0.022], g[0.822,0.021]
1/1 [=====] - 0s 89ms/step
>11030, dr[0.675,0.419], df[0.686,0.015], g[0.733,0.025]
1/1 [=====] - 0s 91ms/step
>11031, dr[0.718,0.387], df[0.692,0.037], g[0.816,0.029]
1/1 [=====] - 0s 84ms/step
>11032, dr[0.692,0.313], df[0.660,0.026], g[0.762,0.031]
1/1 [=====] - 0s 85ms/step
>11033, dr[0.686,0.708], df[0.694,0.015], g[0.770,0.019]
1/1 [=====] - 0s 91ms/step
>11034, dr[0.723,0.494], df[0.673,0.048], g[0.923,0.022]
1/1 [=====] - 0s 82ms/step
>11035, dr[0.624,0.749], df[0.771,0.034], g[0.839,0.021]
1/1 [=====] - 0s 91ms/step
>11036, dr[0.584,0.193], df[0.706,0.029], g[0.856,0.032]
1/1 [=====] - 0s 95ms/step
>11037, dr[0.737,0.439], df[0.647,0.012], g[0.819,0.013]
1/1 [=====] - 0s 90ms/step
>11038, dr[0.672,0.539], df[0.630,0.034], g[0.867,0.061]
1/1 [=====] - 0s 86ms/step
>11039, dr[0.669,0.314], df[0.699,0.029], g[0.809,0.040]
1/1 [=====] - 0s 93ms/step
>11040, dr[0.668,0.593], df[0.727,0.036], g[0.831,0.022]
1/1 [=====] - 0s 92ms/step
>11041, dr[0.655,0.679], df[0.642,0.017], g[0.767,0.027]
1/1 [=====] - 0s 87ms/step
>11042, dr[0.716,0.617], df[0.677,0.031], g[0.824,0.020]
1/1 [=====] - 0s 93ms/step
>11043, dr[0.732,0.848], df[0.690,0.028], g[0.775,0.023]
1/1 [=====] - 0s 85ms/step
>11044, dr[0.729,0.315], df[0.730,0.044], g[0.755,0.022]
1/1 [=====] - 0s 89ms/step
>11045, dr[0.611,0.562], df[0.690,0.031], g[0.839,0.023]
1/1 [=====] - 0s 97ms/step
>11046, dr[0.589,0.314], df[0.666,0.060], g[0.836,0.028]
1/1 [=====] - 0s 84ms/step
>11047, dr[0.776,0.534], df[0.726,0.032], g[0.800,0.021]
1/1 [=====] - 0s 84ms/step
```

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>11048, dr[0.772,0.898], df[0.745,0.019], g[0.824,0.023]
1/1 [=====] - 0s 95ms/step
>11049, dr[0.691,0.187], df[0.771,0.052], g[0.757,0.024]
1/1 [=====] - 0s 83ms/step
>11050, dr[0.595,0.371], df[0.691,0.022], g[0.818,0.024]
1/1 [=====] - 0s 86ms/step
>11051, dr[0.714,0.432], df[0.777,0.027], g[0.858,0.032]
1/1 [=====] - 0s 99ms/step
>11052, dr[0.632,0.930], df[0.754,0.028], g[0.817,0.102]
1/1 [=====] - 0s 89ms/step
>11053, dr[0.718,0.297], df[0.675,0.035], g[0.903,0.025]
1/1 [=====] - 0s 85ms/step
>11054, dr[0.714,0.426], df[0.718,0.023], g[0.820,0.018]
1/1 [=====] - 0s 91ms/step
>11055, dr[0.709,0.329], df[0.791,0.031], g[0.925,0.020]
1/1 [=====] - 0s 81ms/step
>11056, dr[0.688,0.871], df[0.697,0.034], g[0.824,0.016]
1/1 [=====] - 0s 86ms/step
>11057, dr[0.764,0.413], df[0.734,0.061], g[0.829,0.040]
1/1 [=====] - 0s 99ms/step
>11058, dr[0.727,0.466], df[0.703,0.030], g[0.756,0.027]
1/1 [=====] - 0s 86ms/step
>11059, dr[0.740,0.653], df[0.693,0.051], g[0.787,0.022]
1/1 [=====] - 0s 91ms/step
>11060, dr[0.636,0.311], df[0.694,0.029], g[0.815,0.034]
1/1 [=====] - 0s 91ms/step
>11061, dr[0.664,0.764], df[0.658,0.023], g[0.790,0.021]
1/1 [=====] - 0s 83ms/step
>11062, dr[0.658,0.624], df[0.640,0.013], g[0.788,0.048]
1/1 [=====] - 0s 89ms/step
>11063, dr[0.591,0.403], df[0.688,0.026], g[0.810,0.037]
1/1 [=====] - 0s 90ms/step
>11064, dr[0.794,0.431], df[0.688,0.036], g[0.802,0.024]
1/1 [=====] - 0s 82ms/step
>11065, dr[0.838,0.386], df[0.757,0.032], g[0.694,0.033]
1/1 [=====] - 0s 83ms/step
>11066, dr[0.629,0.830], df[0.832,0.016], g[0.725,0.033]
1/1 [=====] - 0s 91ms/step
>11067, dr[0.706,0.288], df[0.839,0.029], g[0.789,0.033]
1/1 [=====] - 0s 85ms/step
>11068, dr[0.682,0.528], df[0.738,0.024], g[0.842,0.037]
1/1 [=====] - 0s 84ms/step
>11069, dr[0.586,0.367], df[0.630,0.035], g[0.818,0.020]
1/1 [=====] - 0s 90ms/step
>11070, dr[0.711,0.497], df[0.677,0.038], g[0.913,0.026]
1/1 [=====] - 0s 121ms/step
>11071, dr[0.664,0.579], df[0.688,0.059], g[0.831,0.019]
1/1 [=====] - 0s 134ms/step
>11072, dr[0.708,0.522], df[0.758,0.016], g[0.841,0.015]
1/1 [=====] - 0s 112ms/step
>11073, dr[0.686,0.534], df[0.684,0.022], g[0.795,0.020]
1/1 [=====] - 0s 109ms/step
>11074, dr[0.717,0.346], df[0.667,0.022], g[0.792,0.058]
1/1 [=====] - 0s 108ms/step
>11075, dr[0.588,0.730], df[0.732,0.019], g[0.840,0.040]
1/1 [=====] - 0s 112ms/step
>11076, dr[0.670,0.644], df[0.796,0.060], g[0.897,0.021]
1/1 [=====] - 0s 110ms/step
>11077, dr[0.803,0.671], df[0.630,0.018], g[0.845,0.033]
1/1 [=====] - 0s 104ms/step
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>11078, dr[0.630,0.415], df[0.811,0.036], g[0.823,0.021]
1/1 [=====] - 0s 107ms/step
>11079, dr[0.661,0.644], df[0.689,0.081], g[0.742,0.016]
1/1 [=====] - 0s 107ms/step
>11080, dr[0.743,0.272], df[0.631,0.024], g[0.858,0.021]
1/1 [=====] - 0s 116ms/step
>11081, dr[0.653,0.689], df[0.760,0.044], g[0.850,0.024]
1/1 [=====] - 0s 111ms/step
>11082, dr[0.716,0.367], df[0.682,0.019], g[0.870,0.024]
1/1 [=====] - 0s 105ms/step
>11083, dr[0.765,0.276], df[0.681,0.036], g[0.816,0.018]
1/1 [=====] - 0s 110ms/step
>11084, dr[0.598,0.621], df[0.685,0.036], g[0.809,0.041]
1/1 [=====] - 0s 116ms/step
>11085, dr[0.682,0.162], df[0.747,0.052], g[0.852,0.015]
1/1 [=====] - 0s 109ms/step
>11086, dr[0.635,0.214], df[0.728,0.035], g[0.835,0.053]
1/1 [=====] - 0s 112ms/step
>11087, dr[0.769,0.383], df[0.650,0.012], g[0.828,0.037]
1/1 [=====] - 0s 90ms/step
>11088, dr[0.691,0.220], df[0.753,0.022], g[0.798,0.030]
1/1 [=====] - 0s 87ms/step
>11089, dr[0.724,0.456], df[0.665,0.021], g[0.853,0.023]
1/1 [=====] - 0s 96ms/step
>11090, dr[0.740,0.714], df[0.709,0.019], g[0.845,0.026]
1/1 [=====] - 0s 116ms/step
>11091, dr[0.741,0.647], df[0.716,0.010], g[0.815,0.029]
1/1 [=====] - 0s 87ms/step
>11092, dr[0.725,0.730], df[0.712,0.015], g[0.863,0.016]
1/1 [=====] - 0s 87ms/step
>11093, dr[0.719,0.519], df[0.798,0.018], g[0.776,0.030]
1/1 [=====] - 0s 89ms/step
>11094, dr[0.697,0.473], df[0.720,0.036], g[0.803,0.027]
1/1 [=====] - 0s 90ms/step
>11095, dr[0.617,0.690], df[0.694,0.017], g[0.759,0.056]
1/1 [=====] - 0s 86ms/step
>11096, dr[0.727,0.167], df[0.781,0.025], g[0.784,0.024]
1/1 [=====] - 0s 96ms/step
>11097, dr[0.600,0.310], df[0.731,0.047], g[0.811,0.030]
1/1 [=====] - 0s 83ms/step
>11098, dr[0.732,0.487], df[0.710,0.063], g[0.823,0.032]
1/1 [=====] - 0s 86ms/step
>11099, dr[0.667,0.432], df[0.714,0.029], g[0.863,0.034]
1/1 [=====] - 0s 91ms/step
>11100, dr[0.747,0.508], df[0.635,0.013], g[0.861,0.038]
1/1 [=====] - 0s 86ms/step
>11101, dr[0.758,0.393], df[0.681,0.017], g[0.777,0.027]
1/1 [=====] - 0s 82ms/step
>11102, dr[0.731,0.352], df[0.703,0.040], g[0.814,0.040]
1/1 [=====] - 0s 87ms/step
>11103, dr[0.693,0.182], df[0.702,0.032], g[0.830,0.042]
1/1 [=====] - 0s 83ms/step
>11104, dr[0.603,0.456], df[0.689,0.062], g[0.757,0.039]
1/1 [=====] - 0s 83ms/step
>11105, dr[0.623,0.480], df[0.705,0.020], g[0.779,0.017]
1/1 [=====] - 0s 90ms/step
>11106, dr[0.634,0.400], df[0.692,0.041], g[0.747,0.031]
1/1 [=====] - 0s 87ms/step
>11107, dr[0.655,0.422], df[0.675,0.031], g[0.819,0.038]
1/1 [=====] - 0s 93ms/step
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>11108, dr[0.623,0.545], df[0.735,0.019], g[0.866,0.036]
1/1 [=====] - 0s 85ms/step
>11109, dr[0.689,0.282], df[0.667,0.026], g[0.879,0.071]
1/1 [=====] - 0s 85ms/step
>11110, dr[0.759,0.462], df[0.777,0.013], g[0.772,0.053]
1/1 [=====] - 0s 86ms/step
>11111, dr[0.663,0.162], df[0.681,0.027], g[0.870,0.017]
1/1 [=====] - 0s 84ms/step
>11112, dr[0.676,0.499], df[0.717,0.013], g[0.785,0.023]
1/1 [=====] - 0s 85ms/step
>11113, dr[0.683,0.187], df[0.680,0.033], g[0.809,0.029]
1/1 [=====] - 0s 86ms/step
>11114, dr[0.647,0.560], df[0.703,0.054], g[0.797,0.021]
1/1 [=====] - 0s 84ms/step
>11115, dr[0.704,0.477], df[0.618,0.022], g[0.835,0.021]
1/1 [=====] - 0s 83ms/step
>11116, dr[0.695,0.664], df[0.666,0.022], g[0.806,0.040]
1/1 [=====] - 0s 84ms/step
>11117, dr[0.762,0.266], df[0.676,0.035], g[0.743,0.031]
1/1 [=====] - 0s 82ms/step
>11118, dr[0.620,0.228], df[0.731,0.029], g[0.747,0.038]
1/1 [=====] - 0s 88ms/step
>11119, dr[0.587,0.501], df[0.637,0.033], g[0.772,0.045]
1/1 [=====] - 0s 85ms/step
>11120, dr[0.680,0.456], df[0.695,0.021], g[0.887,0.027]
1/1 [=====] - 0s 84ms/step
>11121, dr[0.662,0.363], df[0.598,0.023], g[0.848,0.033]
1/1 [=====] - 0s 85ms/step
>11122, dr[0.689,0.296], df[0.729,0.020], g[0.786,0.029]
1/1 [=====] - 0s 86ms/step
>11123, dr[0.695,0.841], df[0.714,0.030], g[0.810,0.026]
1/1 [=====] - 0s 113ms/step
>11124, dr[0.666,0.252], df[0.704,0.019], g[0.855,0.040]
1/1 [=====] - 0s 118ms/step
>11125, dr[0.654,0.200], df[0.675,0.016], g[0.798,0.036]
1/1 [=====] - 0s 87ms/step
>11126, dr[0.674,0.469], df[0.616,0.103], g[0.876,0.027]
1/1 [=====] - 0s 84ms/step
>11127, dr[0.666,0.444], df[0.647,0.014], g[0.809,0.027]
1/1 [=====] - 0s 89ms/step
>11128, dr[0.714,0.552], df[0.867,0.019], g[0.845,0.053]
1/1 [=====] - 0s 89ms/step
>11129, dr[0.652,0.340], df[0.680,0.026], g[0.692,0.036]
1/1 [=====] - 0s 83ms/step
>11130, dr[0.728,0.352], df[0.752,0.015], g[0.775,0.036]
1/1 [=====] - 0s 85ms/step
>11131, dr[0.666,0.235], df[0.647,0.013], g[0.797,0.033]
1/1 [=====] - 0s 91ms/step
>11132, dr[0.628,0.462], df[0.616,0.035], g[0.782,0.107]
1/1 [=====] - 0s 84ms/step
>11133, dr[0.739,0.397], df[0.756,0.145], g[0.788,0.023]
1/1 [=====] - 0s 89ms/step
>11134, dr[0.638,0.305], df[0.716,0.012], g[0.765,0.031]
1/1 [=====] - 0s 95ms/step
>11135, dr[0.672,0.393], df[0.822,0.018], g[0.800,0.024]
1/1 [=====] - 0s 91ms/step
>11136, dr[0.777,0.355], df[0.834,0.016], g[0.801,0.017]
1/1 [=====] - 0s 87ms/step
>11137, dr[0.654,0.552], df[0.661,0.024], g[0.851,0.022]
1/1 [=====] - 0s 93ms/step
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>11138, dr[0.669,0.483], df[0.671,0.021], g[0.843,0.019]
1/1 [=====] - 0s 88ms/step
>11139, dr[0.696,0.855], df[0.750,0.014], g[0.789,0.014]
1/1 [=====] - 0s 86ms/step
>11140, dr[0.683,0.447], df[0.713,0.018], g[0.799,0.025]
1/1 [=====] - 0s 91ms/step
>11141, dr[0.653,0.831], df[0.669,0.041], g[0.883,0.036]
1/1 [=====] - 0s 84ms/step
>11142, dr[0.669,0.291], df[0.680,0.052], g[0.858,0.025]
1/1 [=====] - 0s 86ms/step
>11143, dr[0.556,0.180], df[0.638,0.012], g[0.776,0.021]
1/1 [=====] - 0s 94ms/step
>11144, dr[0.631,0.282], df[0.746,0.053], g[0.821,0.027]
1/1 [=====] - 0s 83ms/step
>11145, dr[0.772,0.324], df[0.630,0.016], g[0.880,0.024]
1/1 [=====] - 0s 84ms/step
>11146, dr[0.778,0.571], df[0.647,0.021], g[0.899,0.020]
1/1 [=====] - 0s 89ms/step
>11147, dr[0.677,0.355], df[0.732,0.027], g[0.779,0.035]
1/1 [=====] - 0s 82ms/step
>11148, dr[0.615,0.694], df[0.736,0.033], g[0.864,0.031]
1/1 [=====] - 0s 85ms/step
>11149, dr[0.615,0.419], df[0.722,0.045], g[0.811,0.048]
1/1 [=====] - 0s 97ms/step
>11150, dr[0.672,0.642], df[0.805,0.015], g[0.893,0.023]
1/1 [=====] - 0s 86ms/step
>11151, dr[0.730,0.327], df[0.674,0.038], g[0.875,0.044]
1/1 [=====] - 0s 88ms/step
>11152, dr[0.731,0.486], df[0.687,0.031], g[0.903,0.026]
1/1 [=====] - 0s 86ms/step
>11153, dr[0.713,0.516], df[0.725,0.040], g[0.782,0.038]
1/1 [=====] - 0s 84ms/step
>11154, dr[0.759,0.527], df[0.611,0.027], g[0.806,0.025]
1/1 [=====] - 0s 83ms/step
>11155, dr[0.585,0.265], df[0.706,0.021], g[0.794,0.023]
1/1 [=====] - 0s 120ms/step
>11156, dr[0.650,0.547], df[0.649,0.018], g[0.916,0.029]
1/1 [=====] - 0s 111ms/step
>11157, dr[0.637,0.355], df[0.696,0.041], g[0.796,0.106]
1/1 [=====] - 0s 100ms/step
>11158, dr[0.718,0.431], df[0.602,0.013], g[0.869,0.028]
1/1 [=====] - 0s 84ms/step
>11159, dr[0.699,0.486], df[0.705,0.022], g[0.806,0.039]
1/1 [=====] - 0s 86ms/step
>11160, dr[0.668,0.376], df[0.596,0.024], g[0.791,0.030]
1/1 [=====] - 0s 84ms/step
>11161, dr[0.636,0.556], df[0.626,0.029], g[0.863,0.023]
1/1 [=====] - 0s 89ms/step
>11162, dr[0.742,0.560], df[0.718,0.032], g[0.771,0.048]
1/1 [=====] - 0s 84ms/step
>11163, dr[0.743,0.472], df[0.721,0.010], g[0.855,0.025]
1/1 [=====] - 0s 89ms/step
>11164, dr[0.669,0.628], df[0.682,0.016], g[0.835,0.029]
1/1 [=====] - 0s 85ms/step
>11165, dr[0.677,0.692], df[0.643,0.020], g[0.816,0.026]
1/1 [=====] - 0s 83ms/step
>11166, dr[0.717,0.729], df[0.694,0.046], g[0.779,0.027]
1/1 [=====] - 0s 87ms/step
>11167, dr[0.700,0.928], df[0.723,0.013], g[0.799,0.020]
1/1 [=====] - 0s 90ms/step
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>11168, dr[0.547,0.564], df[0.756,0.069], g[0.899,0.027]
1/1 [=====] - 0s 83ms/step
>11169, dr[0.644,0.693], df[0.741,0.026], g[0.777,0.019]
1/1 [=====] - 0s 107ms/step
>11170, dr[0.757,0.488], df[0.681,0.021], g[0.819,0.047]
1/1 [=====] - 0s 116ms/step
>11171, dr[0.665,0.373], df[0.761,0.026], g[0.845,0.031]
1/1 [=====] - 0s 91ms/step
>11172, dr[0.679,0.347], df[0.639,0.022], g[0.850,0.036]
1/1 [=====] - 0s 104ms/step
>11173, dr[0.709,0.515], df[0.669,0.011], g[0.828,0.048]
1/1 [=====] - 0s 105ms/step
>11174, dr[0.782,1.028], df[0.741,0.021], g[0.801,0.020]
1/1 [=====] - 0s 89ms/step
>11175, dr[0.616,0.167], df[0.682,0.022], g[0.762,0.032]
1/1 [=====] - 0s 89ms/step
>11176, dr[0.629,0.477], df[0.625,0.017], g[0.876,0.038]
1/1 [=====] - 0s 96ms/step
>11177, dr[0.620,0.472], df[0.630,0.027], g[0.844,0.053]
1/1 [=====] - 0s 108ms/step
>11178, dr[0.662,0.347], df[0.783,0.019], g[0.889,0.037]
1/1 [=====] - 0s 89ms/step
>11179, dr[0.667,0.458], df[0.886,0.036], g[0.798,0.024]
1/1 [=====] - 0s 92ms/step
>11180, dr[0.599,0.573], df[0.655,0.017], g[0.863,0.028]
1/1 [=====] - 0s 88ms/step
>11181, dr[0.724,0.619], df[0.728,0.013], g[0.864,0.024]
1/1 [=====] - 0s 100ms/step
>11182, dr[0.739,0.590], df[0.598,0.020], g[0.822,0.021]
1/1 [=====] - 0s 98ms/step
>11183, dr[0.670,0.651], df[0.650,0.011], g[0.873,0.030]
1/1 [=====] - 0s 91ms/step
>11184, dr[0.641,0.224], df[0.794,0.035], g[0.904,0.032]
1/1 [=====] - 0s 101ms/step
>11185, dr[0.668,0.381], df[0.608,0.019], g[0.815,0.046]
1/1 [=====] - 0s 100ms/step
>11186, dr[0.695,0.423], df[0.704,0.036], g[0.835,0.029]
1/1 [=====] - 0s 95ms/step
>11187, dr[0.648,0.569], df[0.670,0.056], g[0.857,0.031]
1/1 [=====] - 0s 99ms/step
>11188, dr[0.626,0.377], df[0.662,0.059], g[0.811,0.018]
1/1 [=====] - 0s 100ms/step
>11189, dr[0.699,0.451], df[0.754,0.032], g[0.805,0.025]
1/1 [=====] - 0s 100ms/step
>11190, dr[0.569,0.339], df[0.707,0.032], g[0.817,0.021]
1/1 [=====] - 0s 96ms/step
>11191, dr[0.703,0.575], df[0.748,0.026], g[0.806,0.019]
1/1 [=====] - 0s 97ms/step
>11192, dr[0.619,0.722], df[0.647,0.016], g[0.836,0.028]
1/1 [=====] - 0s 106ms/step
>11193, dr[0.659,0.384], df[0.623,0.037], g[0.782,0.021]
1/1 [=====] - 0s 109ms/step
>11194, dr[0.745,0.774], df[0.705,0.012], g[0.803,0.028]
1/1 [=====] - 0s 91ms/step
>11195, dr[0.606,0.376], df[0.689,0.034], g[0.794,0.021]
1/1 [=====] - 0s 97ms/step
>11196, dr[0.739,0.565], df[0.653,0.029], g[0.838,0.040]
1/1 [=====] - 0s 97ms/step
>11197, dr[0.712,0.419], df[0.776,0.054], g[0.849,0.036]
1/1 [=====] - 0s 88ms/step
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>11198, dr[0.523,0.358], df[0.721,0.027], g[0.913,0.064]
1/1 [=====] - 0s 88ms/step
>11199, dr[0.763,0.359], df[0.675,0.036], g[0.825,0.045]
1/1 [=====] - 0s 96ms/step
>11200, dr[0.719,0.351], df[0.728,0.051], g[0.805,0.029]
1/1 [=====] - 0s 105ms/step
>11201, dr[0.714,0.619], df[0.669,0.021], g[0.831,0.030]
1/1 [=====] - 0s 95ms/step
>11202, dr[0.636,0.761], df[0.688,0.014], g[0.782,0.034]
1/1 [=====] - 0s 92ms/step
>11203, dr[0.705,0.355], df[0.738,0.025], g[0.815,0.020]
1/1 [=====] - 0s 95ms/step
>11204, dr[0.673,0.610], df[0.728,0.039], g[0.817,0.029]
1/1 [=====] - 0s 87ms/step
>11205, dr[0.695,0.429], df[0.678,0.058], g[0.858,0.048]
1/1 [=====] - 0s 98ms/step
>11206, dr[0.629,0.420], df[0.715,0.024], g[0.824,0.024]
1/1 [=====] - 0s 86ms/step
>11207, dr[0.647,0.386], df[0.691,0.018], g[0.818,0.036]
1/1 [=====] - 0s 92ms/step
>11208, dr[0.757,0.140], df[0.769,0.031], g[0.751,0.041]
1/1 [=====] - 0s 86ms/step
>11209, dr[0.614,0.508], df[0.703,0.049], g[0.834,0.041]
1/1 [=====] - 0s 87ms/step
>11210, dr[0.728,0.363], df[0.728,0.033], g[0.824,0.018]
1/1 [=====] - 0s 95ms/step
>11211, dr[0.695,0.276], df[0.644,0.033], g[0.809,0.062]
1/1 [=====] - 0s 83ms/step
>11212, dr[0.656,0.381], df[0.686,0.028], g[0.791,0.065]
1/1 [=====] - 0s 86ms/step
>11213, dr[0.728,0.338], df[0.646,0.015], g[0.776,0.025]
1/1 [=====] - 0s 96ms/step
>11214, dr[0.753,0.509], df[0.686,0.016], g[0.783,0.043]
1/1 [=====] - 0s 85ms/step
>11215, dr[0.709,0.286], df[0.760,0.095], g[0.787,0.051]
1/1 [=====] - 0s 84ms/step
>11216, dr[0.756,0.380], df[0.683,0.037], g[0.789,0.016]
1/1 [=====] - 0s 96ms/step
>11217, dr[0.757,0.509], df[0.662,0.025], g[0.719,0.024]
1/1 [=====] - 0s 85ms/step
>11218, dr[0.673,0.586], df[0.686,0.042], g[0.720,0.044]
1/1 [=====] - 0s 88ms/step
>11219, dr[0.546,0.440], df[0.768,0.026], g[0.727,0.057]
1/1 [=====] - 0s 87ms/step
>11220, dr[0.704,0.461], df[0.704,0.026], g[0.799,0.037]
1/1 [=====] - 0s 84ms/step
>11221, dr[0.669,0.358], df[0.711,0.030], g[0.824,0.055]
1/1 [=====] - 0s 84ms/step
>11222, dr[0.570,0.250], df[0.661,0.021], g[0.762,0.026]
1/1 [=====] - 0s 84ms/step
>11223, dr[0.634,0.275], df[0.663,0.045], g[0.789,0.032]
1/1 [=====] - 0s 85ms/step
>11224, dr[0.727,0.464], df[0.752,0.048], g[0.783,0.078]
1/1 [=====] - 0s 85ms/step
>11225, dr[0.707,1.027], df[0.660,0.026], g[0.775,0.018]
1/1 [=====] - 0s 91ms/step
>11226, dr[0.763,0.389], df[0.636,0.020], g[0.857,0.034]
1/1 [=====] - 0s 85ms/step
>11227, dr[0.623,0.300], df[0.717,0.055], g[0.747,0.045]
1/1 [=====] - 0s 86ms/step
```

```
>11228, dr[0.689,0.763], df[0.776,0.047], g[0.819,0.033]
1/1 [=====] - 0s 87ms/step
>11229, dr[0.681,0.426], df[0.732,0.052], g[0.853,0.046]
1/1 [=====] - 0s 100ms/step
>11230, dr[0.612,0.452], df[0.875,0.062], g[0.834,0.024]
1/1 [=====] - 0s 92ms/step
>11231, dr[0.640,0.350], df[0.624,0.028], g[0.845,0.021]
1/1 [=====] - 0s 89ms/step
>11232, dr[0.667,0.226], df[0.639,0.020], g[0.863,0.022]
1/1 [=====] - 0s 92ms/step
>11233, dr[0.705,0.718], df[0.653,0.037], g[0.899,0.029]
1/1 [=====] - 0s 85ms/step
>11234, dr[0.784,0.600], df[0.701,0.018], g[0.813,0.031]
1/1 [=====] - 0s 88ms/step
>11235, dr[0.689,0.309], df[0.732,0.028], g[0.831,0.025]
1/1 [=====] - 0s 95ms/step
>11236, dr[0.707,0.805], df[0.706,0.029], g[0.784,0.024]
1/1 [=====] - 0s 87ms/step
>11237, dr[0.697,0.436], df[0.727,0.073], g[0.750,0.041]
1/1 [=====] - 0s 86ms/step
>11238, dr[0.710,0.809], df[0.782,0.009], g[0.783,0.072]
1/1 [=====] - 0s 88ms/step
>11239, dr[0.726,0.624], df[0.717,0.038], g[0.801,0.025]
1/1 [=====] - 0s 88ms/step
>11240, dr[0.630,0.631], df[0.694,0.021], g[0.808,0.061]
1/1 [=====] - 0s 94ms/step
>11241, dr[0.723,0.289], df[0.633,0.030], g[0.788,0.038]
1/1 [=====] - 0s 84ms/step
>11242, dr[0.599,0.600], df[0.714,0.055], g[0.869,0.023]
1/1 [=====] - 0s 88ms/step
>11243, dr[0.588,0.427], df[0.701,0.028], g[0.810,0.027]
1/1 [=====] - 0s 87ms/step
>11244, dr[0.774,0.260], df[0.712,0.037], g[0.808,0.025]
4/4 [=====] - 0s 60ms/step

WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.

>Saved: generated_plot_11244.png and model_11244.h5
1/1 [=====] - 0s 98ms/step
>11245, dr[0.633,0.712], df[0.679,0.027], g[0.830,0.036]
1/1 [=====] - 0s 92ms/step
>11246, dr[0.576,0.595], df[0.643,0.045], g[0.844,0.037]
1/1 [=====] - 0s 103ms/step
>11247, dr[0.719,0.651], df[0.707,0.054], g[0.823,0.036]
1/1 [=====] - 0s 89ms/step
>11248, dr[0.674,0.664], df[0.649,0.021], g[0.880,0.036]
1/1 [=====] - 0s 95ms/step
>11249, dr[0.709,0.267], df[0.725,0.078], g[0.817,0.041]
1/1 [=====] - 0s 88ms/step
>11250, dr[0.705,0.424], df[0.756,0.025], g[0.821,0.038]
1/1 [=====] - 0s 86ms/step
>11251, dr[0.727,0.504], df[0.664,0.103], g[0.829,0.033]
1/1 [=====] - 0s 97ms/step
>11252, dr[0.792,0.568], df[0.655,0.030], g[0.837,0.025]
1/1 [=====] - 0s 89ms/step
>11253, dr[0.672,0.318], df[0.691,0.041], g[0.739,0.032]
1/1 [=====] - 0s 106ms/step
>11254, dr[0.646,0.563], df[0.888,0.033], g[0.791,0.022]
1/1 [=====] - 0s 101ms/step
>11255, dr[0.661,0.624], df[0.648,0.022], g[0.823,0.021]
1/1 [=====] - 0s 115ms/step
```

```
>11256, dr[0.633,0.343], df[0.645,0.029], g[0.811,0.068]
1/1 [=====] - 0s 112ms/step
>11257, dr[0.659,0.696], df[0.687,0.029], g[0.741,0.041]
1/1 [=====] - 0s 105ms/step
>11258, dr[0.645,0.561], df[0.715,0.030], g[0.801,0.014]
1/1 [=====] - 0s 114ms/step
>11259, dr[0.681,0.734], df[0.749,0.026], g[0.792,0.018]
1/1 [=====] - 0s 100ms/step
>11260, dr[0.639,0.276], df[0.659,0.014], g[0.851,0.037]
1/1 [=====] - 0s 92ms/step
>11261, dr[0.668,0.361], df[0.637,0.040], g[0.877,0.028]
1/1 [=====] - 0s 88ms/step
>11262, dr[0.749,0.472], df[0.577,0.049], g[0.832,0.036]
1/1 [=====] - 0s 87ms/step
>11263, dr[0.673,0.528], df[0.687,0.017], g[0.824,0.034]
1/1 [=====] - 0s 93ms/step
>11264, dr[0.712,0.423], df[0.722,0.045], g[0.849,0.060]
1/1 [=====] - 0s 102ms/step
>11265, dr[0.726,0.383], df[0.790,0.032], g[0.722,0.026]
1/1 [=====] - 0s 102ms/step
>11266, dr[0.515,0.557], df[0.804,0.041], g[0.814,0.044]
1/1 [=====] - 0s 88ms/step
>11267, dr[0.710,0.594], df[0.707,0.027], g[0.868,0.025]
1/1 [=====] - 0s 97ms/step
>11268, dr[0.733,0.387], df[0.636,0.018], g[0.910,0.023]
1/1 [=====] - 0s 108ms/step
>11269, dr[0.681,0.287], df[0.669,0.044], g[0.791,0.046]
1/1 [=====] - 0s 118ms/step
>11270, dr[0.630,0.358], df[0.698,0.033], g[0.866,0.026]
1/1 [=====] - 0s 96ms/step
>11271, dr[0.690,0.280], df[0.669,0.025], g[0.759,0.064]
1/1 [=====] - 0s 95ms/step
>11272, dr[0.628,0.661], df[0.651,0.041], g[0.759,0.043]
1/1 [=====] - 0s 105ms/step
>11273, dr[0.723,0.543], df[0.702,0.027], g[0.830,0.014]
1/1 [=====] - 0s 99ms/step
>11274, dr[0.707,0.211], df[0.703,0.048], g[0.842,0.023]
1/1 [=====] - 0s 92ms/step
>11275, dr[0.743,0.203], df[0.632,0.045], g[0.861,0.032]
1/1 [=====] - 0s 90ms/step
>11276, dr[0.694,0.786], df[0.795,0.032], g[0.843,0.022]
1/1 [=====] - 0s 117ms/step
>11277, dr[0.719,0.222], df[0.733,0.049], g[0.787,0.020]
1/1 [=====] - 0s 95ms/step
>11278, dr[0.646,0.738], df[0.694,0.018], g[0.783,0.027]
1/1 [=====] - 0s 105ms/step
>11279, dr[0.635,0.449], df[0.713,0.030], g[0.870,0.035]
1/1 [=====] - 0s 88ms/step
>11280, dr[0.608,0.547], df[0.744,0.023], g[0.879,0.077]
1/1 [=====] - 0s 97ms/step
>11281, dr[0.692,0.676], df[0.698,0.036], g[0.889,0.022]
1/1 [=====] - 0s 89ms/step
>11282, dr[0.637,0.669], df[0.589,0.029], g[0.852,0.017]
1/1 [=====] - 0s 94ms/step
>11283, dr[0.726,0.281], df[0.605,0.018], g[0.809,0.050]
1/1 [=====] - 0s 104ms/step
>11284, dr[0.615,0.767], df[0.730,0.083], g[0.802,0.032]
1/1 [=====] - 0s 90ms/step
>11285, dr[0.670,0.817], df[0.727,0.023], g[0.759,0.016]
1/1 [=====] - 0s 90ms/step
```

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>11286, dr[0.705,0.474], df[0.673,0.020], g[0.849,0.058]
1/1 [=====] - 0s 89ms/step
>11287, dr[0.752,0.397], df[0.794,0.052], g[0.861,0.019]
1/1 [=====] - 0s 97ms/step
>11288, dr[0.729,0.292], df[0.701,0.030], g[0.825,0.030]
1/1 [=====] - 0s 84ms/step
>11289, dr[0.674,0.610], df[0.752,0.078], g[0.836,0.032]
1/1 [=====] - 0s 84ms/step
>11290, dr[0.618,0.406], df[0.677,0.037], g[0.833,0.068]
1/1 [=====] - 0s 93ms/step
>11291, dr[0.750,0.557], df[0.612,0.017], g[0.848,0.024]
1/1 [=====] - 0s 89ms/step
>11292, dr[0.670,0.760], df[0.695,0.027], g[0.835,0.024]
1/1 [=====] - 0s 85ms/step
>11293, dr[0.629,0.774], df[0.758,0.027], g[0.762,0.030]
1/1 [=====] - 0s 92ms/step
>11294, dr[0.746,0.371], df[0.646,0.035], g[0.789,0.051]
1/1 [=====] - 0s 85ms/step
>11295, dr[0.730,0.628], df[0.583,0.031], g[0.811,0.016]
1/1 [=====] - 0s 85ms/step
>11296, dr[0.565,0.383], df[0.620,0.019], g[0.870,0.019]
1/1 [=====] - 0s 86ms/step
>11297, dr[0.680,0.479], df[0.838,0.029], g[0.869,0.041]
1/1 [=====] - 0s 90ms/step
>11298, dr[0.770,0.360], df[0.810,0.041], g[0.796,0.040]
1/1 [=====] - 0s 85ms/step
>11299, dr[0.799,0.661], df[0.675,0.022], g[0.847,0.025]
1/1 [=====] - 0s 89ms/step
>11300, dr[0.755,0.710], df[0.750,0.033], g[0.823,0.016]
1/1 [=====] - 0s 98ms/step
>11301, dr[0.701,0.353], df[0.739,0.028], g[0.838,0.028]
1/1 [=====] - 0s 85ms/step
>11302, dr[0.708,0.488], df[0.731,0.022], g[0.821,0.048]
1/1 [=====] - 0s 90ms/step
>11303, dr[0.665,0.423], df[0.738,0.030], g[0.799,0.043]
1/1 [=====] - 0s 121ms/step
>11304, dr[0.617,0.339], df[0.701,0.018], g[0.851,0.033]
1/1 [=====] - 0s 87ms/step
>11305, dr[0.725,0.536], df[0.668,0.040], g[0.746,0.022]
1/1 [=====] - 0s 103ms/step
>11306, dr[0.685,0.257], df[0.720,0.039], g[0.855,0.023]
1/1 [=====] - 0s 85ms/step
>11307, dr[0.652,0.634], df[0.732,0.021], g[0.824,0.028]
1/1 [=====] - 0s 91ms/step
>11308, dr[0.648,0.381], df[0.742,0.021], g[0.827,0.032]
1/1 [=====] - 0s 83ms/step
>11309, dr[0.745,0.150], df[0.612,0.029], g[0.801,0.039]
1/1 [=====] - 0s 89ms/step
>11310, dr[0.676,0.613], df[0.722,0.028], g[0.778,0.015]
1/1 [=====] - 0s 91ms/step
>11311, dr[0.665,0.406], df[0.607,0.012], g[0.829,0.028]
1/1 [=====] - 0s 86ms/step
>11312, dr[0.773,0.327], df[0.719,0.066], g[0.880,0.018]
1/1 [=====] - 0s 85ms/step
>11313, dr[0.643,0.566], df[0.676,0.020], g[0.778,0.029]
1/1 [=====] - 0s 88ms/step
>11314, dr[0.701,0.261], df[0.671,0.043], g[0.821,0.027]
1/1 [=====] - 0s 100ms/step
>11315, dr[0.691,0.712], df[0.651,0.023], g[0.799,0.031]
1/1 [=====] - 0s 85ms/step
```

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>11316, dr[0.652,0.295], df[0.683,0.021], g[0.854,0.041]
1/1 [=====] - 0s 85ms/step
>11317, dr[0.618,0.543], df[0.692,0.026], g[0.811,0.026]
1/1 [=====] - 0s 97ms/step
>11318, dr[0.705,0.453], df[0.735,0.016], g[0.825,0.031]
1/1 [=====] - 0s 106ms/step
>11319, dr[0.640,0.215], df[0.690,0.039], g[0.800,0.025]
1/1 [=====] - 0s 108ms/step
>11320, dr[0.675,0.351], df[0.615,0.039], g[0.704,0.036]
1/1 [=====] - 0s 139ms/step
>11321, dr[0.737,0.559], df[0.723,0.021], g[0.797,0.018]
1/1 [=====] - 0s 108ms/step
>11322, dr[0.576,0.591], df[0.646,0.035], g[0.830,0.036]
1/1 [=====] - 0s 118ms/step
>11323, dr[0.598,0.327], df[0.717,0.021], g[0.797,0.036]
1/1 [=====] - 0s 114ms/step
>11324, dr[0.609,0.337], df[0.729,0.023], g[0.867,0.043]
1/1 [=====] - 0s 87ms/step
>11325, dr[0.676,0.431], df[0.659,0.032], g[0.816,0.026]
1/1 [=====] - 0s 107ms/step
>11326, dr[0.673,0.348], df[0.607,0.022], g[0.787,0.016]
1/1 [=====] - 0s 106ms/step
>11327, dr[0.625,0.384], df[0.736,0.053], g[0.788,0.041]
1/1 [=====] - 0s 117ms/step
>11328, dr[0.652,0.274], df[0.673,0.105], g[0.815,0.029]
1/1 [=====] - 0s 109ms/step
>11329, dr[0.722,0.254], df[0.773,0.035], g[0.826,0.018]
1/1 [=====] - 0s 86ms/step
>11330, dr[0.631,0.616], df[0.756,0.071], g[0.790,0.025]
1/1 [=====] - 0s 88ms/step
>11331, dr[0.648,0.246], df[0.739,0.016], g[0.895,0.021]
1/1 [=====] - 0s 91ms/step
>11332, dr[0.608,0.644], df[0.631,0.042], g[0.867,0.026]
1/1 [=====] - 0s 91ms/step
>11333, dr[0.730,0.270], df[0.649,0.021], g[0.785,0.040]
1/1 [=====] - 0s 113ms/step
>11334, dr[0.790,0.287], df[0.598,0.019], g[0.789,0.019]
1/1 [=====] - 0s 105ms/step
>11335, dr[0.622,0.601], df[0.647,0.018], g[0.803,0.030]
1/1 [=====] - 0s 90ms/step
>11336, dr[0.686,0.344], df[0.664,0.021], g[0.861,0.020]
1/1 [=====] - 0s 99ms/step
>11337, dr[0.724,0.454], df[0.829,0.025], g[0.779,0.038]
1/1 [=====] - 0s 94ms/step
>11338, dr[0.692,0.378], df[0.660,0.087], g[0.789,0.042]
1/1 [=====] - 0s 94ms/step
>11339, dr[0.623,0.372], df[0.733,0.039], g[0.822,0.032]
1/1 [=====] - 0s 92ms/step
>11340, dr[0.629,0.417], df[0.656,0.026], g[0.855,0.042]
1/1 [=====] - 0s 92ms/step
>11341, dr[0.618,0.291], df[0.692,0.033], g[0.907,0.019]
1/1 [=====] - 0s 95ms/step
>11342, dr[0.706,0.152], df[0.698,0.052], g[0.832,0.031]
1/1 [=====] - 0s 97ms/step
>11343, dr[0.627,0.351], df[0.707,0.029], g[0.830,0.024]
1/1 [=====] - 0s 99ms/step
>11344, dr[0.733,0.188], df[0.735,0.023], g[0.804,0.031]
1/1 [=====] - 0s 98ms/step
>11345, dr[0.744,0.500], df[0.726,0.015], g[0.828,0.029]
1/1 [=====] - 0s 94ms/step
```

```
>11346, dr[0.802,0.665], df[0.626,0.024], g[0.810,0.025]
1/1 [=====] - 0s 91ms/step
>11347, dr[0.721,0.594], df[0.767,0.040], g[0.790,0.068]
1/1 [=====] - 0s 97ms/step
>11348, dr[0.643,0.350], df[0.758,0.097], g[0.835,0.039]
1/1 [=====] - 0s 96ms/step
>11349, dr[0.649,0.464], df[0.734,0.018], g[0.884,0.028]
1/1 [=====] - 0s 111ms/step
>11350, dr[0.714,0.671], df[0.661,0.017], g[0.847,0.029]
1/1 [=====] - 0s 100ms/step
>11351, dr[0.627,0.464], df[0.725,0.068], g[0.814,0.023]
1/1 [=====] - 0s 90ms/step
>11352, dr[0.771,0.490], df[0.754,0.023], g[0.802,0.029]
1/1 [=====] - 0s 86ms/step
>11353, dr[0.789,0.596], df[0.616,0.049], g[0.776,0.023]
1/1 [=====] - 0s 99ms/step
>11354, dr[0.705,0.216], df[0.674,0.026], g[0.871,0.028]
1/1 [=====] - 0s 86ms/step
>11355, dr[0.712,0.413], df[0.673,0.051], g[0.746,0.058]
1/1 [=====] - 0s 86ms/step
>11356, dr[0.638,0.463], df[0.705,0.012], g[0.829,0.023]
1/1 [=====] - 0s 93ms/step
>11357, dr[0.707,0.330], df[0.652,0.027], g[0.795,0.034]
1/1 [=====] - 0s 84ms/step
>11358, dr[0.662,0.455], df[0.733,0.023], g[0.794,0.021]
1/1 [=====] - 0s 87ms/step
>11359, dr[0.753,0.248], df[0.785,0.015], g[0.872,0.024]
1/1 [=====] - 0s 87ms/step
>11360, dr[0.697,0.329], df[0.727,0.021], g[0.808,0.012]
1/1 [=====] - 0s 85ms/step
>11361, dr[0.552,0.300], df[0.679,0.021], g[0.793,0.012]
1/1 [=====] - 0s 88ms/step
>11362, dr[0.794,0.569], df[0.757,0.027], g[0.855,0.032]
1/1 [=====] - 0s 86ms/step
>11363, dr[0.654,0.750], df[0.662,0.031], g[0.857,0.030]
1/1 [=====] - 0s 100ms/step
>11364, dr[0.717,0.514], df[0.691,0.043], g[0.804,0.022]
1/1 [=====] - 0s 86ms/step
>11365, dr[0.740,0.757], df[0.790,0.026], g[0.829,0.018]
1/1 [=====] - 0s 86ms/step
>11366, dr[0.757,0.547], df[0.673,0.036], g[0.755,0.025]
1/1 [=====] - 0s 97ms/step
>11367, dr[0.623,0.524], df[0.730,0.013], g[0.769,0.029]
1/1 [=====] - 0s 87ms/step
>11368, dr[0.621,0.525], df[0.684,0.022], g[0.790,0.032]
1/1 [=====] - 0s 85ms/step
>11369, dr[0.582,0.416], df[0.731,0.012], g[0.776,0.062]
1/1 [=====] - 0s 94ms/step
>11370, dr[0.676,0.346], df[0.718,0.023], g[0.834,0.027]
1/1 [=====] - 0s 85ms/step
>11371, dr[0.713,0.417], df[0.667,0.019], g[0.795,0.029]
1/1 [=====] - 0s 97ms/step
>11372, dr[0.676,0.936], df[0.687,0.046], g[0.858,0.022]
1/1 [=====] - 0s 93ms/step
>11373, dr[0.773,0.766], df[0.707,0.061], g[0.807,0.038]
1/1 [=====] - 0s 86ms/step
>11374, dr[0.763,0.436], df[0.812,0.043], g[0.753,0.023]
1/1 [=====] - 0s 88ms/step
>11375, dr[0.688,0.552], df[0.730,0.041], g[0.761,0.033]
1/1 [=====] - 0s 102ms/step
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>11376, dr[0.669,0.393], df[0.672,0.022], g[0.833,0.018]
1/1 [=====] - 0s 89ms/step
>11377, dr[0.682,0.285], df[0.797,0.020], g[0.839,0.028]
1/1 [=====] - 0s 88ms/step
>11378, dr[0.732,0.135], df[0.735,0.029], g[0.725,0.024]
1/1 [=====] - 0s 90ms/step
>11379, dr[0.637,0.562], df[0.667,0.021], g[0.766,0.032]
1/1 [=====] - 0s 88ms/step
>11380, dr[0.768,0.747], df[0.597,0.019], g[0.835,0.023]
1/1 [=====] - 0s 89ms/step
>11381, dr[0.571,0.552], df[0.675,0.013], g[0.785,0.026]
1/1 [=====] - 0s 85ms/step
>11382, dr[0.670,0.376], df[0.614,0.042], g[0.800,0.034]
1/1 [=====] - 0s 90ms/step
>11383, dr[0.679,0.453], df[0.742,0.047], g[0.766,0.054]
1/1 [=====] - 0s 90ms/step
>11384, dr[0.696,0.514], df[0.766,0.015], g[0.700,0.029]
1/1 [=====] - 0s 85ms/step
>11385, dr[0.728,0.971], df[0.730,0.048], g[0.802,0.040]
1/1 [=====] - 0s 94ms/step
>11386, dr[0.674,0.704], df[0.789,0.016], g[0.796,0.024]
1/1 [=====] - 0s 87ms/step
>11387, dr[0.668,0.412], df[0.713,0.047], g[0.834,0.022]
1/1 [=====] - 0s 85ms/step
>11388, dr[0.730,0.285], df[0.755,0.018], g[0.803,0.035]
1/1 [=====] - 0s 97ms/step
>11389, dr[0.701,0.658], df[0.676,0.092], g[0.772,0.050]
1/1 [=====] - 0s 84ms/step
>11390, dr[0.642,0.309], df[0.648,0.033], g[0.760,0.030]
1/1 [=====] - 0s 86ms/step
>11391, dr[0.611,0.607], df[0.664,0.027], g[0.833,0.027]
1/1 [=====] - 0s 100ms/step
>11392, dr[0.709,0.320], df[0.626,0.017], g[0.861,0.024]
1/1 [=====] - 0s 84ms/step
>11393, dr[0.653,0.427], df[0.720,0.041], g[0.880,0.020]
1/1 [=====] - 0s 103ms/step
>11394, dr[0.660,0.177], df[0.694,0.040], g[0.793,0.019]
1/1 [=====] - 0s 87ms/step
>11395, dr[0.672,0.581], df[0.669,0.030], g[0.778,0.014]
1/1 [=====] - 0s 83ms/step
>11396, dr[0.634,0.341], df[0.721,0.017], g[0.716,0.019]
1/1 [=====] - 0s 96ms/step
>11397, dr[0.709,0.439], df[0.731,0.016], g[0.824,0.027]
1/1 [=====] - 0s 102ms/step
>11398, dr[0.589,0.312], df[0.769,0.031], g[0.810,0.032]
1/1 [=====] - 0s 100ms/step
>11399, dr[0.700,0.330], df[0.723,0.030], g[0.733,0.026]
1/1 [=====] - 0s 94ms/step
>11400, dr[0.626,0.436], df[0.609,0.017], g[0.822,0.015]
1/1 [=====] - 0s 94ms/step
>11401, dr[0.751,0.602], df[0.663,0.013], g[0.875,0.037]
1/1 [=====] - 0s 99ms/step
>11402, dr[0.685,0.786], df[0.702,0.015], g[0.866,0.039]
1/1 [=====] - 0s 99ms/step
>11403, dr[0.675,0.563], df[0.703,0.031], g[0.820,0.030]
1/1 [=====] - 0s 90ms/step
>11404, dr[0.617,0.397], df[0.700,0.038], g[0.863,0.019]
1/1 [=====] - 0s 88ms/step
>11405, dr[0.627,0.622], df[0.610,0.060], g[0.773,0.045]
1/1 [=====] - 0s 106ms/step
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>11406, dr[0.620,0.498], df[0.732,0.025], g[0.811,0.018]
1/1 [=====] - 0s 94ms/step
>11407, dr[0.705,0.604], df[0.823,0.052], g[0.777,0.043]
1/1 [=====] - 0s 96ms/step
>11408, dr[0.710,0.381], df[0.727,0.022], g[0.830,0.034]
1/1 [=====] - 0s 89ms/step
>11409, dr[0.686,0.562], df[0.642,0.029], g[0.862,0.029]
1/1 [=====] - 0s 112ms/step
>11410, dr[0.634,0.384], df[0.616,0.046], g[0.794,0.037]
1/1 [=====] - 0s 113ms/step
>11411, dr[0.689,0.512], df[0.662,0.029], g[0.828,0.015]
1/1 [=====] - 0s 85ms/step
>11412, dr[0.642,0.539], df[0.658,0.028], g[0.818,0.046]
1/1 [=====] - 0s 86ms/step
>11413, dr[0.666,0.560], df[0.664,0.044], g[0.826,0.027]
1/1 [=====] - 0s 97ms/step
>11414, dr[0.706,0.136], df[0.670,0.044], g[0.748,0.034]
1/1 [=====] - 0s 88ms/step
>11415, dr[0.662,0.274], df[0.779,0.034], g[0.755,0.014]
1/1 [=====] - 0s 90ms/step
>11416, dr[0.617,0.472], df[0.741,0.024], g[0.800,0.018]
1/1 [=====] - 0s 88ms/step
>11417, dr[0.678,0.672], df[0.756,0.021], g[0.819,0.022]
1/1 [=====] - 0s 85ms/step
>11418, dr[0.691,0.455], df[0.700,0.028], g[0.834,0.028]
1/1 [=====] - 0s 85ms/step
>11419, dr[0.741,0.388], df[0.712,0.027], g[0.827,0.022]
1/1 [=====] - 0s 88ms/step
>11420, dr[0.651,0.372], df[0.799,0.027], g[0.737,0.025]
1/1 [=====] - 0s 90ms/step
>11421, dr[0.625,0.638], df[0.692,0.034], g[0.794,0.026]
1/1 [=====] - 0s 85ms/step
>11422, dr[0.639,0.274], df[0.732,0.078], g[0.764,0.064]
1/1 [=====] - 0s 101ms/step
>11423, dr[0.783,0.514], df[0.716,0.019], g[0.767,0.031]
1/1 [=====] - 0s 93ms/step
>11424, dr[0.755,0.469], df[0.722,0.054], g[0.842,0.020]
1/1 [=====] - 0s 87ms/step
>11425, dr[0.703,0.482], df[0.669,0.016], g[0.813,0.028]
1/1 [=====] - 0s 87ms/step
>11426, dr[0.655,0.289], df[0.773,0.033], g[0.815,0.026]
1/1 [=====] - 0s 91ms/step
>11427, dr[0.681,0.993], df[0.589,0.055], g[0.820,0.033]
1/1 [=====] - 0s 84ms/step
>11428, dr[0.763,0.789], df[0.825,0.023], g[0.758,0.020]
1/1 [=====] - 0s 91ms/step
>11429, dr[0.674,0.987], df[0.766,0.042], g[0.839,0.024]
1/1 [=====] - 0s 88ms/step
>11430, dr[0.742,0.255], df[0.638,0.033], g[0.849,0.040]
1/1 [=====] - 0s 87ms/step
>11431, dr[0.689,0.345], df[0.730,0.053], g[0.812,0.034]
1/1 [=====] - 0s 85ms/step
>11432, dr[0.702,0.224], df[0.700,0.026], g[0.813,0.030]
1/1 [=====] - 0s 95ms/step
>11433, dr[0.657,0.402], df[0.703,0.030], g[0.730,0.021]
1/1 [=====] - 0s 85ms/step
>11434, dr[0.601,0.495], df[0.664,0.028], g[0.848,0.019]
1/1 [=====] - 0s 89ms/step
>11435, dr[0.753,0.604], df[0.810,0.012], g[0.800,0.026]
1/1 [=====] - 0s 89ms/step
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>11436, dr[0.654,0.657], df[0.651,0.022], g[0.837,0.021]
1/1 [=====] - 0s 86ms/step
>11437, dr[0.740,0.650], df[0.774,0.020], g[0.781,0.049]
1/1 [=====] - 0s 86ms/step
>11438, dr[0.774,0.253], df[0.701,0.031], g[0.866,0.052]
1/1 [=====] - 0s 87ms/step
>11439, dr[0.666,0.350], df[0.666,0.029], g[0.855,0.024]
1/1 [=====] - 0s 99ms/step
>11440, dr[0.725,0.294], df[0.654,0.037], g[0.802,0.031]
1/1 [=====] - 0s 86ms/step
>11441, dr[0.708,0.609], df[0.727,0.027], g[0.702,0.028]
1/1 [=====] - 0s 85ms/step
>11442, dr[0.680,0.443], df[0.726,0.109], g[0.781,0.015]
1/1 [=====] - 0s 95ms/step
>11443, dr[0.619,0.733], df[0.694,0.047], g[0.782,0.020]
1/1 [=====] - 0s 86ms/step
>11444, dr[0.688,0.719], df[0.719,0.016], g[0.789,0.034]
1/1 [=====] - 0s 87ms/step
>11445, dr[0.670,0.616], df[0.709,0.015], g[0.816,0.024]
1/1 [=====] - 0s 96ms/step
>11446, dr[0.609,0.541], df[0.730,0.029], g[0.831,0.029]
1/1 [=====] - 0s 86ms/step
>11447, dr[0.603,0.507], df[0.597,0.022], g[0.782,0.015]
1/1 [=====] - 0s 84ms/step
>11448, dr[0.686,0.283], df[0.671,0.015], g[0.837,0.044]
1/1 [=====] - 0s 88ms/step
>11449, dr[0.697,0.456], df[0.679,0.025], g[0.817,0.041]
1/1 [=====] - 0s 85ms/step
>11450, dr[0.645,0.267], df[0.747,0.035], g[0.828,0.026]
1/1 [=====] - 0s 86ms/step
>11451, dr[0.698,0.472], df[0.702,0.022], g[0.832,0.025]
1/1 [=====] - 0s 88ms/step
>11452, dr[0.672,0.307], df[0.640,0.021], g[0.849,0.032]
1/1 [=====] - 0s 86ms/step
>11453, dr[0.718,0.906], df[0.706,0.024], g[0.745,0.044]
1/1 [=====] - 0s 88ms/step
>11454, dr[0.705,0.485], df[0.731,0.017], g[0.783,0.064]
1/1 [=====] - 0s 90ms/step
>11455, dr[0.764,0.820], df[0.668,0.028], g[0.838,0.019]
1/1 [=====] - 0s 83ms/step
>11456, dr[0.691,0.602], df[0.738,0.062], g[0.732,0.025]
1/1 [=====] - 0s 88ms/step
>11457, dr[0.601,0.406], df[0.802,0.020], g[0.890,0.024]
1/1 [=====] - 0s 86ms/step
>11458, dr[0.599,0.473], df[0.720,0.021], g[0.868,0.038]
1/1 [=====] - 0s 87ms/step
>11459, dr[0.774,0.533], df[0.760,0.047], g[0.849,0.028]
1/1 [=====] - 0s 86ms/step
>11460, dr[0.634,0.545], df[0.716,0.021], g[0.800,0.037]
1/1 [=====] - 0s 85ms/step
>11461, dr[0.745,0.483], df[0.695,0.022], g[0.856,0.040]
1/1 [=====] - 0s 86ms/step
>11462, dr[0.717,0.758], df[0.671,0.026], g[0.833,0.032]
1/1 [=====] - 0s 85ms/step
>11463, dr[0.626,0.507], df[0.742,0.018], g[0.830,0.040]
1/1 [=====] - 0s 84ms/step
>11464, dr[0.667,0.392], df[0.686,0.036], g[0.876,0.027]
1/1 [=====] - 0s 96ms/step
>11465, dr[0.720,0.265], df[0.739,0.042], g[0.878,0.047]
1/1 [=====] - 0s 85ms/step
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>11466, dr[0.675,0.499], df[0.715,0.041], g[0.800,0.025]
1/1 [=====] - 0s 85ms/step
>11467, dr[0.807,0.392], df[0.748,0.025], g[0.800,0.031]
1/1 [=====] - 0s 110ms/step
>11468, dr[0.785,0.447], df[0.647,0.019], g[0.790,0.021]
1/1 [=====] - 0s 86ms/step
>11469, dr[0.722,0.370], df[0.705,0.025], g[0.814,0.028]
1/1 [=====] - 0s 93ms/step
>11470, dr[0.664,0.326], df[0.716,0.036], g[0.852,0.025]
1/1 [=====] - 0s 90ms/step
>11471, dr[0.713,0.582], df[0.673,0.017], g[0.842,0.058]
1/1 [=====] - 0s 86ms/step
>11472, dr[0.555,0.534], df[0.649,0.035], g[0.816,0.025]
1/1 [=====] - 0s 87ms/step
>11473, dr[0.589,0.353], df[0.651,0.036], g[0.849,0.027]
1/1 [=====] - 0s 88ms/step
>11474, dr[0.683,0.512], df[0.681,0.020], g[0.845,0.028]
1/1 [=====] - 0s 88ms/step
>11475, dr[0.702,0.250], df[0.702,0.028], g[0.789,0.034]
1/1 [=====] - 0s 85ms/step
>11476, dr[0.628,0.516], df[0.670,0.017], g[0.809,0.038]
1/1 [=====] - 0s 92ms/step
>11477, dr[0.684,0.255], df[0.685,0.023], g[0.796,0.040]
1/1 [=====] - 0s 90ms/step
>11478, dr[0.615,0.321], df[0.631,0.017], g[0.846,0.045]
1/1 [=====] - 0s 89ms/step
>11479, dr[0.689,0.716], df[0.609,0.021], g[0.865,0.018]
1/1 [=====] - 0s 101ms/step
>11480, dr[0.660,0.457], df[0.773,0.053], g[0.862,0.016]
1/1 [=====] - 0s 95ms/step
>11481, dr[0.704,0.397], df[0.695,0.022], g[0.846,0.035]
1/1 [=====] - 0s 95ms/step
>11482, dr[0.804,0.314], df[0.711,0.015], g[0.831,0.024]
1/1 [=====] - 0s 88ms/step
>11483, dr[0.728,0.299], df[0.658,0.015], g[0.789,0.021]
1/1 [=====] - 0s 91ms/step
>11484, dr[0.732,0.318], df[0.695,0.024], g[0.905,0.028]
1/1 [=====] - 0s 83ms/step
>11485, dr[0.645,0.550], df[0.684,0.016], g[0.822,0.039]
1/1 [=====] - 0s 88ms/step
>11486, dr[0.735,0.202], df[0.713,0.019], g[0.824,0.028]
1/1 [=====] - 0s 88ms/step
>11487, dr[0.682,0.467], df[0.783,0.020], g[0.707,0.017]
1/1 [=====] - 0s 85ms/step
>11488, dr[0.534,0.431], df[0.691,0.020], g[0.759,0.019]
1/1 [=====] - 0s 88ms/step
>11489, dr[0.642,0.283], df[0.658,0.058], g[0.836,0.016]
1/1 [=====] - 0s 90ms/step
>11490, dr[0.767,0.632], df[0.619,0.014], g[0.738,0.038]
1/1 [=====] - 0s 84ms/step
>11491, dr[0.668,0.672], df[0.698,0.014], g[0.745,0.017]
1/1 [=====] - 0s 94ms/step
>11492, dr[0.661,0.467], df[0.689,0.019], g[0.806,0.037]
1/1 [=====] - 0s 97ms/step
>11493, dr[0.687,0.447], df[0.677,0.014], g[0.755,0.030]
1/1 [=====] - 0s 94ms/step
>11494, dr[0.699,0.481], df[0.694,0.008], g[0.771,0.025]
1/1 [=====] - 0s 90ms/step
>11495, dr[0.668,0.557], df[0.753,0.017], g[0.738,0.036]
1/1 [=====] - 0s 84ms/step
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>11496, dr[0.656,0.489], df[0.778,0.013], g[0.731,0.016]
1/1 [=====] - 0s 95ms/step
>11497, dr[0.658,0.568], df[0.694,0.026], g[0.802,0.027]
1/1 [=====] - 0s 86ms/step
>11498, dr[0.659,0.459], df[0.721,0.020], g[0.807,0.049]
1/1 [=====] - 0s 109ms/step
>11499, dr[0.650,0.611], df[0.774,0.020], g[0.828,0.015]
1/1 [=====] - 0s 109ms/step
>11500, dr[0.627,0.278], df[0.718,0.029], g[0.767,0.018]
1/1 [=====] - 0s 126ms/step
>11501, dr[0.678,0.290], df[0.717,0.036], g[0.826,0.046]
1/1 [=====] - 0s 108ms/step
>11502, dr[0.694,0.298], df[0.783,0.028], g[0.858,0.014]
1/1 [=====] - 0s 105ms/step
>11503, dr[0.670,0.426], df[0.600,0.031], g[0.843,0.022]
1/1 [=====] - 0s 110ms/step
>11504, dr[0.645,0.304], df[0.642,0.020], g[0.778,0.025]
1/1 [=====] - 0s 125ms/step
>11505, dr[0.676,0.394], df[0.804,0.012], g[0.797,0.019]
1/1 [=====] - 0s 123ms/step
>11506, dr[0.686,0.577], df[0.674,0.013], g[0.855,0.027]
1/1 [=====] - 0s 115ms/step
>11507, dr[0.636,0.562], df[0.684,0.017], g[0.799,0.028]
1/1 [=====] - 0s 118ms/step
>11508, dr[0.675,0.506], df[0.671,0.018], g[0.837,0.014]
1/1 [=====] - 0s 91ms/step
>11509, dr[0.622,0.420], df[0.728,0.024], g[0.845,0.025]
1/1 [=====] - 0s 87ms/step
>11510, dr[0.694,0.733], df[0.651,0.032], g[0.858,0.029]
1/1 [=====] - 0s 93ms/step
>11511, dr[0.742,0.437], df[0.759,0.063], g[0.834,0.049]
1/1 [=====] - 0s 89ms/step
>11512, dr[0.718,0.387], df[0.756,0.042], g[0.763,0.039]
1/1 [=====] - 0s 86ms/step
>11513, dr[0.760,0.629], df[0.700,0.026], g[0.810,0.063]
1/1 [=====] - 0s 85ms/step
>11514, dr[0.667,0.459], df[0.688,0.027], g[0.786,0.035]
1/1 [=====] - 0s 93ms/step
>11515, dr[0.714,0.241], df[0.691,0.016], g[0.750,0.016]
1/1 [=====] - 0s 89ms/step
>11516, dr[0.664,0.270], df[0.642,0.044], g[0.780,0.022]
1/1 [=====] - 0s 87ms/step
>11517, dr[0.589,0.503], df[0.717,0.016], g[0.822,0.044]
1/1 [=====] - 0s 97ms/step
>11518, dr[0.694,0.402], df[0.750,0.030], g[0.814,0.040]
1/1 [=====] - 0s 85ms/step
>11519, dr[0.717,0.423], df[0.721,0.095], g[0.781,0.040]
1/1 [=====] - 0s 114ms/step
>11520, dr[0.729,0.200], df[0.808,0.032], g[0.797,0.028]
1/1 [=====] - 0s 110ms/step
>11521, dr[0.689,0.331], df[0.678,0.017], g[0.886,0.012]
1/1 [=====] - 0s 97ms/step
>11522, dr[0.626,0.217], df[0.783,0.031], g[0.853,0.038]
1/1 [=====] - 0s 86ms/step
>11523, dr[0.753,0.663], df[0.609,0.018], g[0.845,0.016]
1/1 [=====] - 0s 89ms/step
>11524, dr[0.714,0.577], df[0.713,0.020], g[0.851,0.022]
1/1 [=====] - 0s 86ms/step
>11525, dr[0.725,0.633], df[0.848,0.045], g[0.789,0.016]
1/1 [=====] - 0s 88ms/step
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>11526, dr[0.657,0.657], df[0.673,0.029], g[0.825,0.052]
1/1 [=====] - 0s 84ms/step
>11527, dr[0.730,0.441], df[0.745,0.026], g[0.871,0.025]
1/1 [=====] - 0s 91ms/step
>11528, dr[0.666,0.647], df[0.648,0.045], g[0.815,0.046]
1/1 [=====] - 0s 85ms/step
>11529, dr[0.718,0.445], df[0.807,0.014], g[0.844,0.023]
1/1 [=====] - 0s 103ms/step
>11530, dr[0.741,0.376], df[0.654,0.018], g[0.797,0.026]
1/1 [=====] - 0s 84ms/step
>11531, dr[0.688,0.385], df[0.695,0.039], g[0.792,0.057]
1/1 [=====] - 0s 89ms/step
>11532, dr[0.718,0.417], df[0.688,0.025], g[0.818,0.030]
1/1 [=====] - 0s 86ms/step
>11533, dr[0.678,0.529], df[0.753,0.035], g[0.818,0.027]
1/1 [=====] - 0s 84ms/step
>11534, dr[0.705,0.447], df[0.750,0.030], g[0.827,0.039]
1/1 [=====] - 0s 95ms/step
>11535, dr[0.632,0.473], df[0.696,0.027], g[0.850,0.018]
1/1 [=====] - 0s 88ms/step
>11536, dr[0.819,0.396], df[0.742,0.031], g[0.874,0.029]
1/1 [=====] - 0s 90ms/step
>11537, dr[0.713,0.325], df[0.683,0.050], g[0.747,0.035]
1/1 [=====] - 0s 94ms/step
>11538, dr[0.701,0.310], df[0.610,0.069], g[0.873,0.020]
1/1 [=====] - 0s 94ms/step
>11539, dr[0.725,0.482], df[0.735,0.038], g[0.779,0.032]
1/1 [=====] - 0s 101ms/step
>11540, dr[0.685,0.307], df[0.727,0.018], g[0.747,0.030]
1/1 [=====] - 0s 86ms/step
>11541, dr[0.660,0.245], df[0.669,0.025], g[0.766,0.056]
1/1 [=====] - 0s 91ms/step
>11542, dr[0.782,0.370], df[0.646,0.018], g[0.792,0.029]
1/1 [=====] - 0s 84ms/step
>11543, dr[0.742,0.347], df[0.719,0.052], g[0.750,0.024]
1/1 [=====] - 0s 87ms/step
>11544, dr[0.642,0.805], df[0.783,0.018], g[0.764,0.046]
1/1 [=====] - 0s 89ms/step
>11545, dr[0.686,0.441], df[0.765,0.036], g[0.846,0.016]
1/1 [=====] - 0s 85ms/step
>11546, dr[0.733,0.497], df[0.607,0.054], g[0.758,0.016]
1/1 [=====] - 0s 92ms/step
>11547, dr[0.678,0.355], df[0.703,0.100], g[0.815,0.024]
1/1 [=====] - 0s 89ms/step
>11548, dr[0.664,0.305], df[0.706,0.019], g[0.731,0.017]
1/1 [=====] - 0s 83ms/step
>11549, dr[0.770,0.818], df[0.738,0.039], g[0.814,0.040]
1/1 [=====] - 0s 87ms/step
>11550, dr[0.686,0.531], df[0.798,0.029], g[0.798,0.023]
1/1 [=====] - 0s 93ms/step
>11551, dr[0.543,0.585], df[0.672,0.039], g[0.808,0.022]
1/1 [=====] - 0s 85ms/step
>11552, dr[0.640,0.393], df[0.695,0.055], g[0.785,0.026]
1/1 [=====] - 0s 84ms/step
>11553, dr[0.670,0.356], df[0.753,0.025], g[0.866,0.038]
1/1 [=====] - 0s 92ms/step
>11554, dr[0.563,0.454], df[0.644,0.030], g[0.815,0.029]
1/1 [=====] - 0s 84ms/step
>11555, dr[0.865,0.261], df[0.716,0.053], g[0.851,0.018]
1/1 [=====] - 0s 86ms/step
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>11556, dr[0.641,0.495], df[0.721,0.026], g[0.851,0.037]
1/1 [=====] - 0s 91ms/step
>11557, dr[0.616,0.273], df[0.646,0.012], g[0.829,0.037]
1/1 [=====] - 0s 85ms/step
>11558, dr[0.740,0.424], df[0.615,0.020], g[0.795,0.027]
1/1 [=====] - 0s 95ms/step
>11559, dr[0.609,0.402], df[0.675,0.027], g[0.717,0.019]
1/1 [=====] - 0s 87ms/step
>11560, dr[0.605,0.267], df[0.729,0.024], g[0.798,0.018]
1/1 [=====] - 0s 85ms/step
>11561, dr[0.726,0.682], df[0.740,0.043], g[0.895,0.033]
1/1 [=====] - 0s 90ms/step
>11562, dr[0.716,0.275], df[0.769,0.012], g[0.853,0.016]
1/1 [=====] - 0s 88ms/step
>11563, dr[0.686,0.818], df[0.662,0.015], g[0.763,0.024]
1/1 [=====] - 0s 86ms/step
>11564, dr[0.739,0.513], df[0.673,0.014], g[0.765,0.025]
1/1 [=====] - 0s 84ms/step
>11565, dr[0.641,0.148], df[0.656,0.019], g[0.779,0.019]
1/1 [=====] - 0s 89ms/step
>11566, dr[0.600,0.442], df[0.720,0.013], g[0.786,0.023]
1/1 [=====] - 0s 85ms/step
>11567, dr[0.661,0.420], df[0.660,0.018], g[0.751,0.053]
1/1 [=====] - 0s 85ms/step
>11568, dr[0.735,0.540], df[0.675,0.016], g[0.738,0.023]
1/1 [=====] - 0s 90ms/step
>11569, dr[0.602,0.388], df[0.681,0.012], g[0.811,0.030]
1/1 [=====] - 0s 91ms/step
>11570, dr[0.731,0.472], df[0.744,0.030], g[0.788,0.026]
1/1 [=====] - 0s 84ms/step
>11571, dr[0.737,0.372], df[0.778,0.032], g[0.753,0.035]
1/1 [=====] - 0s 90ms/step
>11572, dr[0.718,0.606], df[0.780,0.012], g[0.786,0.022]
1/1 [=====] - 0s 83ms/step
>11573, dr[0.632,0.496], df[0.725,0.029], g[0.789,0.045]
1/1 [=====] - 0s 86ms/step
>11574, dr[0.681,0.499], df[0.751,0.024], g[0.796,0.021]
1/1 [=====] - 0s 86ms/step
>11575, dr[0.689,0.180], df[0.684,0.011], g[0.813,0.025]
1/1 [=====] - 0s 86ms/step
>11576, dr[0.712,0.859], df[0.731,0.034], g[0.797,0.021]
1/1 [=====] - 0s 81ms/step
>11577, dr[0.720,0.344], df[0.685,0.023], g[0.748,0.030]
1/1 [=====] - 0s 97ms/step
>11578, dr[0.706,0.336], df[0.637,0.015], g[0.829,0.027]
1/1 [=====] - 0s 93ms/step
>11579, dr[0.697,0.477], df[0.740,0.012], g[0.797,0.022]
1/1 [=====] - 0s 85ms/step
>11580, dr[0.627,0.874], df[0.776,0.029], g[0.767,0.025]
1/1 [=====] - 0s 90ms/step
>11581, dr[0.707,0.463], df[0.735,0.030], g[0.762,0.023]
1/1 [=====] - 0s 92ms/step
>11582, dr[0.603,0.275], df[0.635,0.067], g[0.856,0.033]
1/1 [=====] - 0s 84ms/step
>11583, dr[0.639,0.566], df[0.725,0.021], g[0.863,0.029]
1/1 [=====] - 0s 92ms/step
>11584, dr[0.734,0.271], df[0.598,0.016], g[0.809,0.030]
1/1 [=====] - 0s 90ms/step
>11585, dr[0.718,0.406], df[0.720,0.031], g[0.802,0.045]
1/1 [=====] - 0s 85ms/step
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>11586, dr[0.626,0.848], df[0.674,0.016], g[0.757,0.043]
1/1 [=====] - 0s 88ms/step
>11587, dr[0.601,0.409], df[0.776,0.031], g[0.815,0.032]
1/1 [=====] - 0s 89ms/step
>11588, dr[0.709,0.639], df[0.634,0.036], g[0.840,0.023]
1/1 [=====] - 0s 84ms/step
>11589, dr[0.683,0.403], df[0.639,0.026], g[0.837,0.018]
1/1 [=====] - 0s 90ms/step
>11590, dr[0.646,0.592], df[0.665,0.026], g[0.811,0.018]
1/1 [=====] - 0s 86ms/step
>11591, dr[0.670,0.270], df[0.769,0.010], g[0.854,0.021]
1/1 [=====] - 0s 85ms/step
>11592, dr[0.658,0.185], df[0.660,0.011], g[0.807,0.016]
1/1 [=====] - 0s 84ms/step
>11593, dr[0.658,0.616], df[0.755,0.017], g[0.845,0.025]
1/1 [=====] - 0s 85ms/step
>11594, dr[0.639,0.316], df[0.664,0.033], g[0.821,0.022]
1/1 [=====] - 0s 89ms/step
>11595, dr[0.573,0.374], df[0.664,0.018], g[0.921,0.025]
1/1 [=====] - 0s 89ms/step
>11596, dr[0.775,0.362], df[0.648,0.011], g[0.822,0.019]
1/1 [=====] - 0s 84ms/step
>11597, dr[0.715,0.465], df[0.698,0.026], g[0.862,0.028]
1/1 [=====] - 0s 99ms/step
>11598, dr[0.582,0.198], df[0.693,0.033], g[0.819,0.040]
1/1 [=====] - 0s 87ms/step
>11599, dr[0.680,0.530], df[0.713,0.030], g[0.849,0.014]
1/1 [=====] - 0s 86ms/step
>11600, dr[0.694,0.289], df[0.591,0.017], g[0.861,0.052]
1/1 [=====] - 0s 94ms/step
>11601, dr[0.640,0.372], df[0.718,0.019], g[0.799,0.046]
1/1 [=====] - 0s 86ms/step
>11602, dr[0.689,0.548], df[0.655,0.032], g[0.818,0.049]
1/1 [=====] - 0s 84ms/step
>11603, dr[0.706,0.622], df[0.704,0.012], g[0.813,0.029]
1/1 [=====] - 0s 90ms/step
>11604, dr[0.796,0.686], df[0.714,0.019], g[0.739,0.026]
1/1 [=====] - 0s 85ms/step
>11605, dr[0.704,0.425], df[0.705,0.017], g[0.791,0.031]
1/1 [=====] - 0s 88ms/step
>11606, dr[0.710,0.331], df[0.826,0.024], g[0.903,0.043]
1/1 [=====] - 0s 87ms/step
>11607, dr[0.764,0.636], df[0.742,0.018], g[0.779,0.036]
1/1 [=====] - 0s 86ms/step
>11608, dr[0.674,0.283], df[0.671,0.014], g[0.826,0.016]
1/1 [=====] - 0s 87ms/step
>11609, dr[0.767,0.605], df[0.737,0.097], g[0.737,0.030]
1/1 [=====] - 0s 89ms/step
>11610, dr[0.642,0.355], df[0.714,0.014], g[0.785,0.031]
1/1 [=====] - 0s 83ms/step
>11611, dr[0.703,0.465], df[0.712,0.041], g[0.798,0.032]
1/1 [=====] - 0s 92ms/step
>11612, dr[0.715,0.484], df[0.702,0.023], g[0.830,0.023]
1/1 [=====] - 0s 87ms/step
>11613, dr[0.654,0.577], df[0.752,0.043], g[0.833,0.018]
1/1 [=====] - 0s 84ms/step
>11614, dr[0.632,0.696], df[0.765,0.032], g[0.808,0.031]
1/1 [=====] - 0s 86ms/step
>11615, dr[0.607,0.345], df[0.687,0.026], g[0.894,0.019]
1/1 [=====] - 0s 93ms/step
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>11616, dr[0.790,0.565], df[0.728,0.019], g[0.834,0.050]
1/1 [=====] - 0s 85ms/step
>11617, dr[0.684,0.404], df[0.668,0.041], g[0.822,0.020]
1/1 [=====] - 0s 88ms/step
>11618, dr[0.709,0.506], df[0.791,0.029], g[0.814,0.037]
1/1 [=====] - 0s 87ms/step
>11619, dr[0.703,0.498], df[0.750,0.014], g[0.773,0.030]
1/1 [=====] - 0s 91ms/step
>11620, dr[0.669,0.388], df[0.694,0.011], g[0.866,0.031]
1/1 [=====] - 0s 85ms/step
>11621, dr[0.698,0.373], df[0.835,0.010], g[0.835,0.024]
1/1 [=====] - 0s 85ms/step
>11622, dr[0.744,0.663], df[0.789,0.021], g[0.732,0.048]
1/1 [=====] - 0s 94ms/step
>11623, dr[0.702,0.580], df[0.600,0.012], g[0.781,0.028]
1/1 [=====] - 0s 87ms/step
>11624, dr[0.743,0.485], df[0.678,0.045], g[0.823,0.064]
1/1 [=====] - 0s 85ms/step
>11625, dr[0.636,0.550], df[0.706,0.027], g[0.845,0.028]
1/1 [=====] - 0s 100ms/step
>11626, dr[0.715,0.427], df[0.793,0.037], g[0.856,0.064]
1/1 [=====] - 0s 84ms/step
>11627, dr[0.696,0.602], df[0.632,0.017], g[0.791,0.015]
1/1 [=====] - 0s 87ms/step
>11628, dr[0.655,0.505], df[0.647,0.035], g[0.800,0.042]
1/1 [=====] - 0s 100ms/step
>11629, dr[0.744,0.455], df[0.741,0.013], g[0.793,0.037]
1/1 [=====] - 0s 85ms/step
>11630, dr[0.657,0.221], df[0.684,0.022], g[0.800,0.034]
1/1 [=====] - 0s 85ms/step
>11631, dr[0.668,0.446], df[0.735,0.027], g[0.830,0.033]
1/1 [=====] - 0s 93ms/step
>11632, dr[0.668,0.460], df[0.702,0.027], g[0.824,0.036]
1/1 [=====] - 0s 87ms/step
>11633, dr[0.652,0.340], df[0.713,0.026], g[0.779,0.033]
1/1 [=====] - 0s 84ms/step
>11634, dr[0.708,0.236], df[0.732,0.020], g[0.860,0.025]
1/1 [=====] - 0s 88ms/step
>11635, dr[0.677,0.568], df[0.663,0.043], g[0.872,0.018]
1/1 [=====] - 0s 83ms/step
>11636, dr[0.699,0.362], df[0.679,0.036], g[0.748,0.022]
1/1 [=====] - 0s 89ms/step
>11637, dr[0.627,0.506], df[0.737,0.016], g[0.835,0.022]
1/1 [=====] - 0s 92ms/step
>11638, dr[0.725,0.909], df[0.667,0.017], g[0.809,0.038]
1/1 [=====] - 0s 131ms/step
>11639, dr[0.621,0.738], df[0.752,0.018], g[0.791,0.022]
1/1 [=====] - 0s 84ms/step
>11640, dr[0.693,0.437], df[0.589,0.028], g[0.826,0.021]
1/1 [=====] - 0s 86ms/step
>11641, dr[0.784,0.788], df[0.685,0.022], g[0.842,0.022]
1/1 [=====] - 0s 101ms/step
>11642, dr[0.735,0.688], df[0.664,0.051], g[0.788,0.018]
1/1 [=====] - 0s 90ms/step
>11643, dr[0.689,0.551], df[0.672,0.029], g[0.797,0.058]
1/1 [=====] - 0s 87ms/step
>11644, dr[0.669,0.663], df[0.712,0.027], g[0.802,0.025]
1/1 [=====] - 0s 88ms/step
>11645, dr[0.625,0.674], df[0.695,0.019], g[0.741,0.017]
1/1 [=====] - 0s 94ms/step
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>11646, dr[0.634,0.368], df[0.742,0.014], g[0.774,0.076]
1/1 [=====] - 0s 84ms/step
>11647, dr[0.681,0.719], df[0.732,0.020], g[0.727,0.025]
1/1 [=====] - 0s 85ms/step
>11648, dr[0.608,0.381], df[0.695,0.029], g[0.772,0.018]
1/1 [=====] - 0s 94ms/step
>11649, dr[0.619,0.812], df[0.702,0.037], g[0.838,0.029]
1/1 [=====] - 0s 86ms/step
>11650, dr[0.651,0.417], df[0.744,0.026], g[0.729,0.033]
1/1 [=====] - 0s 85ms/step
>11651, dr[0.729,0.446], df[0.713,0.019], g[0.735,0.045]
1/1 [=====] - 0s 100ms/step
>11652, dr[0.745,0.212], df[0.783,0.050], g[0.805,0.015]
1/1 [=====] - 0s 84ms/step
>11653, dr[0.685,0.463], df[0.663,0.021], g[0.807,0.037]
1/1 [=====] - 0s 88ms/step
>11654, dr[0.614,0.591], df[0.772,0.074], g[0.787,0.035]
1/1 [=====] - 0s 93ms/step
>11655, dr[0.655,0.375], df[0.588,0.028], g[0.827,0.023]
1/1 [=====] - 0s 87ms/step
>11656, dr[0.761,0.289], df[0.709,0.035], g[0.750,0.030]
1/1 [=====] - 0s 87ms/step
>11657, dr[0.630,0.402], df[0.806,0.030], g[0.782,0.016]
1/1 [=====] - 0s 91ms/step
>11658, dr[0.698,1.075], df[0.657,0.017], g[0.818,0.036]
1/1 [=====] - 0s 91ms/step
>11659, dr[0.689,0.483], df[0.743,0.026], g[0.759,0.047]
1/1 [=====] - 0s 86ms/step
>11660, dr[0.710,0.828], df[0.771,0.058], g[0.799,0.028]
1/1 [=====] - 0s 88ms/step
>11661, dr[0.771,0.405], df[0.775,0.050], g[0.698,0.032]
1/1 [=====] - 0s 99ms/step
>11662, dr[0.733,0.498], df[0.733,0.039], g[0.801,0.034]
1/1 [=====] - 0s 89ms/step
>11663, dr[0.689,0.570], df[0.716,0.037], g[0.810,0.044]
1/1 [=====] - 0s 90ms/step
>11664, dr[0.689,0.458], df[0.794,0.051], g[0.797,0.042]
1/1 [=====] - 0s 94ms/step
>11665, dr[0.717,0.577], df[0.696,0.045], g[0.812,0.023]
1/1 [=====] - 0s 89ms/step
>11666, dr[0.702,0.451], df[0.751,0.027], g[0.844,0.018]
1/1 [=====] - 0s 88ms/step
>11667, dr[0.579,0.383], df[0.687,0.037], g[0.781,0.030]
1/1 [=====] - 0s 87ms/step
>11668, dr[0.682,0.933], df[0.714,0.027], g[0.870,0.029]
1/1 [=====] - 0s 84ms/step
>11669, dr[0.605,0.207], df[0.601,0.017], g[0.807,0.026]
1/1 [=====] - 0s 85ms/step
>11670, dr[0.704,0.514], df[0.694,0.030], g[0.778,0.032]
1/1 [=====] - 0s 94ms/step
>11671, dr[0.749,0.520], df[0.642,0.033], g[0.784,0.053]
1/1 [=====] - 0s 88ms/step
>11672, dr[0.659,0.449], df[0.770,0.024], g[0.804,0.023]
1/1 [=====] - 0s 87ms/step
>11673, dr[0.662,0.423], df[0.758,0.030], g[0.884,0.026]
1/1 [=====] - 0s 86ms/step
>11674, dr[0.667,0.349], df[0.661,0.022], g[0.804,0.012]
1/1 [=====] - 0s 91ms/step
>11675, dr[0.694,0.411], df[0.682,0.022], g[0.800,0.042]
1/1 [=====] - 0s 88ms/step
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>11676, dr[0.679,0.333], df[0.721,0.019], g[0.829,0.016]
1/1 [=====] - 0s 87ms/step
>11677, dr[0.741,0.470], df[0.699,0.028], g[0.841,0.022]
1/1 [=====] - 0s 96ms/step
>11678, dr[0.695,0.577], df[0.802,0.023], g[0.797,0.033]
1/1 [=====] - 0s 107ms/step
>11679, dr[0.697,1.025], df[0.715,0.038], g[0.810,0.032]
1/1 [=====] - 0s 86ms/step
>11680, dr[0.724,0.449], df[0.716,0.024], g[0.843,0.023]
1/1 [=====] - 0s 94ms/step
>11681, dr[0.679,0.194], df[0.705,0.061], g[0.838,0.024]
1/1 [=====] - 0s 88ms/step
>11682, dr[0.735,0.319], df[0.724,0.030], g[0.800,0.019]
1/1 [=====] - 0s 106ms/step
>11683, dr[0.709,0.468], df[0.756,0.014], g[0.755,0.016]
1/1 [=====] - 0s 106ms/step
>11684, dr[0.651,0.384], df[0.772,0.038], g[0.841,0.029]
1/1 [=====] - 0s 124ms/step
>11685, dr[0.711,0.430], df[0.792,0.028], g[0.879,0.026]
1/1 [=====] - 0s 109ms/step
>11686, dr[0.698,0.360], df[0.655,0.014], g[0.850,0.021]
1/1 [=====] - 0s 122ms/step
>11687, dr[0.700,0.410], df[0.644,0.019], g[0.803,0.029]
1/1 [=====] - 0s 117ms/step
>11688, dr[0.790,0.720], df[0.759,0.036], g[0.793,0.041]
1/1 [=====] - 0s 112ms/step
>11689, dr[0.657,0.375], df[0.667,0.039], g[0.821,0.035]
1/1 [=====] - 0s 122ms/step
>11690, dr[0.685,0.561], df[0.755,0.035], g[0.845,0.022]
1/1 [=====] - 0s 106ms/step
>11691, dr[0.639,0.496], df[0.639,0.037], g[0.808,0.038]
1/1 [=====] - 0s 94ms/step
>11692, dr[0.691,0.453], df[0.724,0.047], g[0.833,0.039]
1/1 [=====] - 0s 100ms/step
>11693, dr[0.744,0.620], df[0.690,0.031], g[0.844,0.061]
1/1 [=====] - 0s 90ms/step
>11694, dr[0.712,0.417], df[0.656,0.029], g[0.826,0.033]
1/1 [=====] - 0s 87ms/step
>11695, dr[0.662,0.267], df[0.637,0.029], g[0.888,0.030]
1/1 [=====] - 0s 87ms/step
>11696, dr[0.681,0.511], df[0.712,0.076], g[0.866,0.018]
1/1 [=====] - 0s 85ms/step
>11697, dr[0.669,0.587], df[0.727,0.015], g[0.819,0.018]
1/1 [=====] - 0s 87ms/step
>11698, dr[0.693,0.498], df[0.648,0.033], g[0.817,0.057]
1/1 [=====] - 0s 84ms/step
>11699, dr[0.659,0.465], df[0.697,0.014], g[0.836,0.072]
1/1 [=====] - 0s 91ms/step
>11700, dr[0.662,0.567], df[0.651,0.014], g[0.764,0.039]
1/1 [=====] - 0s 93ms/step
>11701, dr[0.609,0.306], df[0.703,0.011], g[0.815,0.019]
1/1 [=====] - 0s 106ms/step
>11702, dr[0.638,0.444], df[0.738,0.031], g[0.798,0.020]
1/1 [=====] - 0s 116ms/step
>11703, dr[0.597,0.402], df[0.791,0.017], g[0.818,0.023]
1/1 [=====] - 0s 88ms/step
>11704, dr[0.663,0.395], df[0.694,0.023], g[0.854,0.025]
1/1 [=====] - 0s 86ms/step
>11705, dr[0.688,0.822], df[0.776,0.105], g[0.846,0.035]
1/1 [=====] - 0s 89ms/step
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>11706, dr[0.656,0.580], df[0.641,0.033], g[0.909,0.017]
1/1 [=====] - 0s 100ms/step
>11707, dr[0.750,0.684], df[0.713,0.023], g[0.806,0.029]
1/1 [=====] - 0s 100ms/step
>11708, dr[0.721,0.453], df[0.702,0.052], g[0.809,0.028]
1/1 [=====] - 0s 84ms/step
>11709, dr[0.792,0.458], df[0.691,0.029], g[0.841,0.024]
1/1 [=====] - 0s 97ms/step
>11710, dr[0.648,0.534], df[0.703,0.021], g[0.817,0.024]
1/1 [=====] - 0s 106ms/step
>11711, dr[0.702,0.633], df[0.814,0.044], g[0.815,0.034]
1/1 [=====] - 0s 118ms/step
>11712, dr[0.741,0.411], df[0.645,0.021], g[0.803,0.061]
1/1 [=====] - 0s 105ms/step
>11713, dr[0.674,0.208], df[0.637,0.022], g[0.845,0.014]
1/1 [=====] - 0s 102ms/step
>11714, dr[0.736,0.443], df[0.755,0.042], g[0.854,0.032]
1/1 [=====] - 0s 104ms/step
>11715, dr[0.702,0.572], df[0.750,0.015], g[0.853,0.016]
1/1 [=====] - 0s 87ms/step
>11716, dr[0.770,0.367], df[0.715,0.019], g[0.858,0.025]
1/1 [=====] - 0s 86ms/step
>11717, dr[0.634,0.280], df[0.626,0.031], g[0.871,0.021]
1/1 [=====] - 0s 91ms/step
>11718, dr[0.645,0.441], df[0.638,0.049], g[0.807,0.026]
1/1 [=====] - 0s 85ms/step
>11719, dr[0.598,0.547], df[0.788,0.021], g[0.785,0.014]
1/1 [=====] - 0s 87ms/step
>11720, dr[0.722,0.540], df[0.698,0.019], g[0.706,0.026]
1/1 [=====] - 0s 93ms/step
>11721, dr[0.721,0.441], df[0.732,0.037], g[0.819,0.052]
1/1 [=====] - 0s 85ms/step
>11722, dr[0.694,0.321], df[0.667,0.018], g[0.786,0.022]
1/1 [=====] - 0s 85ms/step
>11723, dr[0.696,0.590], df[0.734,0.015], g[0.735,0.018]
1/1 [=====] - 0s 93ms/step
>11724, dr[0.717,0.521], df[0.706,0.065], g[0.766,0.041]
1/1 [=====] - 0s 88ms/step
>11725, dr[0.640,0.486], df[0.693,0.011], g[0.790,0.031]
1/1 [=====] - 0s 89ms/step
>11726, dr[0.622,0.410], df[0.689,0.021], g[0.800,0.024]
1/1 [=====] - 0s 87ms/step
>11727, dr[0.664,0.574], df[0.712,0.069], g[0.820,0.039]
1/1 [=====] - 0s 92ms/step
>11728, dr[0.765,0.442], df[0.710,0.011], g[0.834,0.032]
1/1 [=====] - 0s 85ms/step
>11729, dr[0.632,0.683], df[0.607,0.011], g[0.746,0.026]
1/1 [=====] - 0s 89ms/step
>11730, dr[0.710,0.446], df[0.696,0.018], g[0.874,0.028]
1/1 [=====] - 0s 90ms/step
>11731, dr[0.609,0.810], df[0.782,0.012], g[0.828,0.027]
1/1 [=====] - 0s 99ms/step
>11732, dr[0.721,0.420], df[0.695,0.026], g[0.767,0.023]
1/1 [=====] - 0s 94ms/step
>11733, dr[0.598,0.649], df[0.654,0.030], g[0.839,0.015]
1/1 [=====] - 0s 88ms/step
>11734, dr[0.737,0.816], df[0.733,0.079], g[0.872,0.024]
1/1 [=====] - 0s 99ms/step
>11735, dr[0.636,0.371], df[0.681,0.013], g[0.847,0.046]
1/1 [=====] - 0s 95ms/step
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>11736, dr[0.714,0.407], df[0.681,0.019], g[0.787,0.034]
1/1 [=====] - 0s 86ms/step
>11737, dr[0.668,0.290], df[0.676,0.024], g[0.747,0.054]
1/1 [=====] - 0s 88ms/step
>11738, dr[0.593,0.229], df[0.697,0.014], g[0.799,0.046]
1/1 [=====] - 0s 106ms/step
>11739, dr[0.613,0.748], df[0.662,0.018], g[0.825,0.024]
1/1 [=====] - 0s 104ms/step
>11740, dr[0.741,0.524], df[0.668,0.040], g[0.810,0.017]
1/1 [=====] - 0s 86ms/step
>11741, dr[0.752,0.756], df[0.679,0.020], g[0.767,0.024]
1/1 [=====] - 0s 95ms/step
>11742, dr[0.582,0.682], df[0.685,0.038], g[0.802,0.030]
1/1 [=====] - 0s 86ms/step
>11743, dr[0.718,0.533], df[0.753,0.032], g[0.778,0.123]
1/1 [=====] - 0s 86ms/step
>11744, dr[0.679,0.348], df[0.661,0.024], g[0.812,0.025]
1/1 [=====] - 0s 89ms/step
>11745, dr[0.726,0.265], df[0.765,0.032], g[0.782,0.033]
1/1 [=====] - 0s 85ms/step
>11746, dr[0.729,0.314], df[0.659,0.032], g[0.806,0.023]
1/1 [=====] - 0s 87ms/step
>11747, dr[0.717,0.612], df[0.573,0.049], g[0.811,0.017]
1/1 [=====] - 0s 90ms/step
>11748, dr[0.750,0.302], df[0.705,0.011], g[0.800,0.017]
1/1 [=====] - 0s 128ms/step
>11749, dr[0.678,1.115], df[0.720,0.014], g[0.839,0.030]
1/1 [=====] - 0s 123ms/step
>11750, dr[0.605,0.499], df[0.613,0.022], g[0.829,0.020]
1/1 [=====] - 0s 98ms/step
>11751, dr[0.713,0.895], df[0.860,0.024], g[0.709,0.022]
1/1 [=====] - 0s 105ms/step
>11752, dr[0.590,0.353], df[0.724,0.021], g[0.694,0.032]
1/1 [=====] - 0s 104ms/step
>11753, dr[0.664,0.436], df[0.638,0.029], g[0.753,0.027]
1/1 [=====] - 0s 116ms/step
>11754, dr[0.700,0.567], df[0.722,0.024], g[0.801,0.026]
1/1 [=====] - 0s 102ms/step
>11755, dr[0.595,0.435], df[0.715,0.043], g[0.813,0.016]
1/1 [=====] - 0s 114ms/step
>11756, dr[0.669,0.501], df[0.679,0.037], g[0.846,0.035]
1/1 [=====] - 0s 125ms/step
>11757, dr[0.663,0.495], df[0.695,0.045], g[0.781,0.034]
1/1 [=====] - 0s 116ms/step
>11758, dr[0.636,0.758], df[0.663,0.027], g[0.734,0.024]
1/1 [=====] - 0s 96ms/step
>11759, dr[0.695,0.761], df[0.786,0.029], g[0.773,0.051]
1/1 [=====] - 0s 114ms/step
>11760, dr[0.667,0.625], df[0.718,0.029], g[0.795,0.019]
1/1 [=====] - 0s 108ms/step
>11761, dr[0.671,0.600], df[0.833,0.026], g[0.796,0.042]
1/1 [=====] - 0s 99ms/step
>11762, dr[0.765,0.898], df[0.619,0.023], g[0.844,0.038]
1/1 [=====] - 0s 109ms/step
>11763, dr[0.691,0.368], df[0.708,0.010], g[0.923,0.030]
1/1 [=====] - 0s 93ms/step
>11764, dr[0.765,0.631], df[0.808,0.041], g[0.819,0.120]
1/1 [=====] - 0s 110ms/step
>11765, dr[0.734,0.368], df[0.659,0.015], g[0.846,0.020]
1/1 [=====] - 0s 111ms/step
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>11766, dr[0.738,0.314], df[0.670,0.026], g[0.783,0.024]
1/1 [=====] - 0s 98ms/step
>11767, dr[0.707,0.378], df[0.689,0.030], g[0.820,0.047]
1/1 [=====] - 0s 103ms/step
>11768, dr[0.705,0.388], df[0.782,0.017], g[0.842,0.021]
1/1 [=====] - 0s 102ms/step
>11769, dr[0.725,0.523], df[0.694,0.025], g[0.824,0.040]
1/1 [=====] - 0s 107ms/step
>11770, dr[0.595,0.365], df[0.707,0.038], g[0.853,0.022]
1/1 [=====] - 0s 97ms/step
>11771, dr[0.766,0.406], df[0.643,0.031], g[0.788,0.038]
1/1 [=====] - 0s 92ms/step
>11772, dr[0.697,0.418], df[0.776,0.036], g[0.775,0.019]
1/1 [=====] - 0s 93ms/step
>11773, dr[0.679,0.546], df[0.654,0.030], g[0.842,0.046]
1/1 [=====] - 0s 93ms/step
>11774, dr[0.680,0.477], df[0.748,0.016], g[0.774,0.014]
1/1 [=====] - 0s 99ms/step
>11775, dr[0.669,0.173], df[0.659,0.038], g[0.762,0.017]
1/1 [=====] - 0s 103ms/step
>11776, dr[0.653,0.620], df[0.797,0.021], g[0.779,0.024]
1/1 [=====] - 0s 89ms/step
>11777, dr[0.735,0.460], df[0.713,0.018], g[0.740,0.037]
1/1 [=====] - 0s 93ms/step
>11778, dr[0.738,0.161], df[0.726,0.017], g[0.857,0.018]
1/1 [=====] - 0s 93ms/step
>11779, dr[0.694,0.222], df[0.758,0.052], g[0.817,0.030]
1/1 [=====] - 0s 93ms/step
>11780, dr[0.711,0.588], df[0.732,0.040], g[0.859,0.022]
1/1 [=====] - 0s 124ms/step
>11781, dr[0.652,0.696], df[0.642,0.012], g[0.812,0.054]
1/1 [=====] - 0s 91ms/step
>11782, dr[0.720,0.276], df[0.688,0.016], g[0.759,0.030]
1/1 [=====] - 0s 90ms/step
>11783, dr[0.622,0.439], df[0.710,0.013], g[0.853,0.023]
1/1 [=====] - 0s 94ms/step
>11784, dr[0.694,0.671], df[0.729,0.031], g[0.782,0.040]
1/1 [=====] - 0s 116ms/step
>11785, dr[0.683,0.661], df[0.789,0.029], g[0.824,0.035]
1/1 [=====] - 0s 131ms/step
>11786, dr[0.652,0.336], df[0.648,0.025], g[0.804,0.028]
1/1 [=====] - 0s 117ms/step
>11787, dr[0.673,0.602], df[0.626,0.029], g[0.793,0.018]
1/1 [=====] - 0s 118ms/step
>11788, dr[0.734,0.644], df[0.673,0.024], g[0.797,0.013]
1/1 [=====] - 0s 119ms/step
>11789, dr[0.760,0.289], df[0.687,0.018], g[0.762,0.021]
1/1 [=====] - 0s 101ms/step
>11790, dr[0.555,0.636], df[0.763,0.035], g[0.825,0.025]
1/1 [=====] - 0s 94ms/step
>11791, dr[0.645,0.938], df[0.679,0.032], g[0.767,0.046]
1/1 [=====] - 0s 99ms/step
>11792, dr[0.711,0.482], df[0.624,0.027], g[0.753,0.044]
1/1 [=====] - 0s 95ms/step
>11793, dr[0.694,0.852], df[0.661,0.031], g[0.760,0.030]
1/1 [=====] - 0s 103ms/step
>11794, dr[0.707,0.346], df[0.718,0.024], g[0.805,0.027]
1/1 [=====] - 0s 96ms/step
>11795, dr[0.686,0.614], df[0.732,0.028], g[0.774,0.017]
1/1 [=====] - 0s 104ms/step
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>11796, dr[0.679,0.323], df[0.739,0.041], g[0.807,0.028]
1/1 [=====] - 0s 95ms/step
>11797, dr[0.649,0.403], df[0.685,0.034], g[0.879,0.016]
1/1 [=====] - 0s 90ms/step
>11798, dr[0.777,0.562], df[0.776,0.025], g[0.794,0.036]
1/1 [=====] - 0s 91ms/step
>11799, dr[0.702,0.336], df[0.669,0.036], g[0.765,0.030]
1/1 [=====] - 0s 107ms/step
>11800, dr[0.587,0.424], df[0.701,0.046], g[0.837,0.021]
1/1 [=====] - 0s 91ms/step
>11801, dr[0.747,0.720], df[0.672,0.045], g[0.825,0.032]
1/1 [=====] - 0s 90ms/step
>11802, dr[0.792,0.393], df[0.665,0.027], g[0.765,0.023]
1/1 [=====] - 0s 103ms/step
>11803, dr[0.781,0.439], df[0.815,0.021], g[0.803,0.035]
1/1 [=====] - 0s 104ms/step
>11804, dr[0.626,0.417], df[0.890,0.043], g[0.801,0.026]
1/1 [=====] - 0s 86ms/step
>11805, dr[0.755,0.282], df[0.776,0.023], g[0.833,0.031]
1/1 [=====] - 0s 87ms/step
>11806, dr[0.665,0.307], df[0.681,0.030], g[0.816,0.026]
1/1 [=====] - 0s 104ms/step
>11807, dr[0.684,0.424], df[0.690,0.038], g[0.825,0.036]
1/1 [=====] - 0s 87ms/step
>11808, dr[0.697,0.628], df[0.697,0.028], g[0.758,0.018]
1/1 [=====] - 0s 90ms/step
>11809, dr[0.671,0.387], df[0.706,0.024], g[0.804,0.026]
1/1 [=====] - 0s 87ms/step
>11810, dr[0.619,0.390], df[0.635,0.042], g[0.766,0.022]
1/1 [=====] - 0s 86ms/step
>11811, dr[0.671,0.373], df[0.716,0.024], g[0.841,0.035]
1/1 [=====] - 0s 90ms/step
>11812, dr[0.670,0.537], df[0.753,0.035], g[0.741,0.037]
1/1 [=====] - 0s 89ms/step
>11813, dr[0.707,0.547], df[0.722,0.035], g[0.818,0.027]
1/1 [=====] - 0s 91ms/step
>11814, dr[0.659,0.355], df[0.713,0.020], g[0.754,0.024]
1/1 [=====] - 0s 86ms/step
>11815, dr[0.744,0.745], df[0.723,0.013], g[0.834,0.016]
1/1 [=====] - 0s 86ms/step
>11816, dr[0.645,0.773], df[0.675,0.022], g[0.807,0.014]
1/1 [=====] - 0s 94ms/step
>11817, dr[0.700,0.354], df[0.669,0.034], g[0.763,0.059]
1/1 [=====] - 0s 86ms/step
>11818, dr[0.713,0.355], df[0.677,0.039], g[0.855,0.026]
1/1 [=====] - 0s 89ms/step
>11819, dr[0.573,0.451], df[0.654,0.018], g[0.823,0.027]
1/1 [=====] - 0s 93ms/step
>11820, dr[0.646,0.581], df[0.701,0.057], g[0.877,0.020]
1/1 [=====] - 0s 88ms/step
>11821, dr[0.774,0.386], df[0.634,0.016], g[0.807,0.026]
1/1 [=====] - 0s 87ms/step
>11822, dr[0.660,0.294], df[0.716,0.018], g[0.824,0.036]
1/1 [=====] - 0s 90ms/step
>11823, dr[0.717,0.470], df[0.681,0.067], g[0.832,0.029]
1/1 [=====] - 0s 85ms/step
>11824, dr[0.672,0.575], df[0.634,0.021], g[0.808,0.028]
1/1 [=====] - 0s 90ms/step
>11825, dr[0.686,0.851], df[0.658,0.024], g[0.797,0.012]
1/1 [=====] - 0s 86ms/step
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>11826, dr[0.642,0.264], df[0.676,0.022], g[0.785,0.031]
1/1 [=====] - 0s 95ms/step
>11827, dr[0.671,0.270], df[0.684,0.036], g[0.801,0.017]
1/1 [=====] - 0s 85ms/step
>11828, dr[0.635,0.517], df[0.701,0.017], g[0.806,0.024]
1/1 [=====] - 0s 108ms/step
>11829, dr[0.652,0.660], df[0.684,0.026], g[0.755,0.025]
1/1 [=====] - 0s 93ms/step
>11830, dr[0.612,0.388], df[0.671,0.016], g[0.758,0.018]
1/1 [=====] - 0s 90ms/step
>11831, dr[0.616,0.289], df[0.684,0.068], g[0.813,0.029]
1/1 [=====] - 0s 86ms/step
>11832, dr[0.742,0.264], df[0.729,0.009], g[0.798,0.032]
1/1 [=====] - 0s 88ms/step
>11833, dr[0.711,0.485], df[0.675,0.046], g[0.789,0.023]
1/1 [=====] - 0s 96ms/step
>11834, dr[0.717,0.670], df[0.717,0.017], g[0.844,0.029]
1/1 [=====] - 0s 86ms/step
>11835, dr[0.646,0.451], df[0.725,0.018], g[0.867,0.020]
1/1 [=====] - 0s 88ms/step
>11836, dr[0.698,0.539], df[0.630,0.015], g[0.762,0.017]
1/1 [=====] - 0s 90ms/step
>11837, dr[0.707,0.587], df[0.675,0.039], g[0.805,0.023]
1/1 [=====] - 0s 91ms/step
>11838, dr[0.619,0.559], df[0.726,0.029], g[0.747,0.021]
1/1 [=====] - 0s 86ms/step
>11839, dr[0.711,0.369], df[0.784,0.019], g[0.821,0.020]
1/1 [=====] - 0s 99ms/step
>11840, dr[0.687,0.323], df[0.786,0.016], g[0.764,0.023]
1/1 [=====] - 0s 112ms/step
>11841, dr[0.694,0.480], df[0.690,0.045], g[0.790,0.028]
1/1 [=====] - 0s 93ms/step
>11842, dr[0.685,0.525], df[0.722,0.039], g[0.799,0.023]
1/1 [=====] - 0s 115ms/step
>11843, dr[0.664,0.340], df[0.660,0.008], g[0.812,0.036]
1/1 [=====] - 0s 107ms/step
>11844, dr[0.668,0.508], df[0.673,0.023], g[0.791,0.033]
1/1 [=====] - 0s 94ms/step
>11845, dr[0.732,0.333], df[0.685,0.018], g[0.760,0.030]
1/1 [=====] - 0s 93ms/step
>11846, dr[0.650,0.549], df[0.791,0.038], g[0.779,0.021]
1/1 [=====] - 0s 90ms/step
>11847, dr[0.628,0.703], df[0.650,0.032], g[0.754,0.031]
1/1 [=====] - 0s 87ms/step
>11848, dr[0.697,0.249], df[0.732,0.037], g[0.782,0.033]
1/1 [=====] - 0s 95ms/step
>11849, dr[0.601,0.333], df[0.795,0.017], g[0.830,0.028]
1/1 [=====] - 0s 85ms/step
>11850, dr[0.710,0.855], df[0.729,0.024], g[0.843,0.050]
1/1 [=====] - 0s 86ms/step
>11851, dr[0.734,0.387], df[0.737,0.036], g[0.692,0.024]
1/1 [=====] - 0s 87ms/step
>11852, dr[0.686,0.352], df[0.726,0.027], g[0.750,0.021]
1/1 [=====] - 0s 85ms/step
>11853, dr[0.677,0.351], df[0.680,0.036], g[0.806,0.021]
1/1 [=====] - 0s 85ms/step
>11854, dr[0.801,0.709], df[0.597,0.018], g[0.821,0.021]
1/1 [=====] - 0s 92ms/step
>11855, dr[0.607,0.570], df[0.756,0.040], g[0.783,0.044]
1/1 [=====] - 0s 88ms/step
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>11856, dr[0.652,0.545], df[0.702,0.015], g[0.796,0.031]
1/1 [=====] - 0s 85ms/step
>11857, dr[0.645,0.267], df[0.737,0.024], g[0.823,0.036]
1/1 [=====] - 0s 92ms/step
>11858, dr[0.657,0.702], df[0.708,0.032], g[0.802,0.019]
1/1 [=====] - 0s 85ms/step
>11859, dr[0.825,0.227], df[0.637,0.015], g[0.743,0.031]
1/1 [=====] - 0s 87ms/step
>11860, dr[0.698,0.429], df[0.769,0.019], g[0.949,0.034]
1/1 [=====] - 0s 94ms/step
>11861, dr[0.710,0.292], df[0.715,0.055], g[0.816,0.044]
1/1 [=====] - 0s 87ms/step
>11862, dr[0.632,0.548], df[0.751,0.057], g[0.827,0.015]
1/1 [=====] - 0s 91ms/step
>11863, dr[0.706,0.189], df[0.771,0.036], g[0.842,0.025]
1/1 [=====] - 0s 86ms/step
>11864, dr[0.660,0.494], df[0.600,0.035], g[0.824,0.052]
1/1 [=====] - 0s 92ms/step
>11865, dr[0.673,0.443], df[0.640,0.037], g[0.776,0.019]
1/1 [=====] - 0s 89ms/step
>11866, dr[0.710,0.451], df[0.661,0.047], g[0.758,0.018]
1/1 [=====] - 0s 89ms/step
>11867, dr[0.639,0.288], df[0.706,0.022], g[0.760,0.036]
1/1 [=====] - 0s 94ms/step
>11868, dr[0.728,0.398], df[0.719,0.058], g[0.824,0.018]
1/1 [=====] - 0s 88ms/step
>11869, dr[0.664,0.365], df[0.671,0.030], g[0.779,0.022]
1/1 [=====] - 0s 86ms/step
>11870, dr[0.645,0.235], df[0.697,0.014], g[0.802,0.021]
1/1 [=====] - 0s 89ms/step
>11871, dr[0.667,0.708], df[0.726,0.037], g[0.814,0.032]
1/1 [=====] - 0s 96ms/step
>11872, dr[0.680,0.356], df[0.686,0.120], g[0.799,0.027]
1/1 [=====] - 0s 85ms/step
>11873, dr[0.657,0.645], df[0.693,0.023], g[0.803,0.019]
1/1 [=====] - 0s 84ms/step
>11874, dr[0.638,0.465], df[0.775,0.028], g[0.841,0.033]
1/1 [=====] - 0s 103ms/step
>11875, dr[0.555,0.651], df[0.720,0.017], g[0.812,0.062]
1/1 [=====] - 0s 88ms/step
>11876, dr[0.578,0.339], df[0.659,0.030], g[0.798,0.030]
1/1 [=====] - 0s 84ms/step
>11877, dr[0.639,0.353], df[0.656,0.028], g[0.859,0.018]
1/1 [=====] - 0s 92ms/step
>11878, dr[0.780,0.734], df[0.647,0.023], g[0.864,0.017]
1/1 [=====] - 0s 86ms/step
>11879, dr[0.692,0.589], df[0.640,0.033], g[0.892,0.017]
1/1 [=====] - 0s 85ms/step
>11880, dr[0.816,0.620], df[0.814,0.021], g[0.829,0.098]
1/1 [=====] - 0s 88ms/step
>11881, dr[0.628,0.375], df[0.772,0.028], g[0.698,0.045]
1/1 [=====] - 0s 94ms/step
>11882, dr[0.708,0.483], df[0.647,0.017], g[0.862,0.033]
1/1 [=====] - 0s 86ms/step
>11883, dr[0.687,0.501], df[0.622,0.022], g[0.812,0.022]
1/1 [=====] - 0s 87ms/step
>11884, dr[0.742,0.227], df[0.694,0.021], g[0.776,0.015]
1/1 [=====] - 0s 98ms/step
>11885, dr[0.598,0.298], df[0.759,0.019], g[0.859,0.030]
1/1 [=====] - 0s 90ms/step
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>11886, dr[0.857,0.523], df[0.700,0.021], g[0.829,0.023]
1/1 [=====] - 0s 89ms/step
>11887, dr[0.602,0.313], df[0.765,0.027], g[0.931,0.029]
1/1 [=====] - 0s 96ms/step
>11888, dr[0.706,0.616], df[0.701,0.016], g[0.762,0.012]
1/1 [=====] - 0s 87ms/step
>11889, dr[0.730,0.714], df[0.728,0.030], g[0.740,0.050]
1/1 [=====] - 0s 86ms/step
>11890, dr[0.627,0.598], df[0.727,0.046], g[0.899,0.018]
1/1 [=====] - 0s 87ms/step
>11891, dr[0.774,0.326], df[0.773,0.036], g[0.738,0.031]
1/1 [=====] - 0s 88ms/step
>11892, dr[0.723,0.304], df[0.765,0.023], g[0.800,0.033]
1/1 [=====] - 0s 88ms/step
>11893, dr[0.641,0.840], df[0.637,0.026], g[0.826,0.019]
1/1 [=====] - 0s 87ms/step
>11894, dr[0.747,0.802], df[0.737,0.026], g[0.770,0.034]
1/1 [=====] - 0s 94ms/step
>11895, dr[0.701,0.358], df[0.734,0.043], g[0.824,0.037]
1/1 [=====] - 0s 89ms/step
>11896, dr[0.732,0.461], df[0.715,0.042], g[0.894,0.024]
1/1 [=====] - 0s 89ms/step
>11897, dr[0.694,0.618], df[0.717,0.014], g[0.780,0.048]
1/1 [=====] - 0s 91ms/step
>11898, dr[0.711,0.416], df[0.617,0.038], g[0.815,0.030]
1/1 [=====] - 0s 104ms/step
>11899, dr[0.681,0.539], df[0.781,0.017], g[0.830,0.041]
1/1 [=====] - 0s 85ms/step
>11900, dr[0.696,0.688], df[0.649,0.027], g[0.792,0.024]
1/1 [=====] - 0s 87ms/step
>11901, dr[0.754,0.216], df[0.604,0.024], g[0.788,0.087]
1/1 [=====] - 0s 93ms/step
>11902, dr[0.604,0.330], df[0.692,0.018], g[0.823,0.031]
1/1 [=====] - 0s 85ms/step
>11903, dr[0.708,0.945], df[0.753,0.030], g[0.747,0.037]
1/1 [=====] - 0s 85ms/step
>11904, dr[0.650,0.632], df[0.779,0.020], g[0.824,0.026]
1/1 [=====] - 0s 94ms/step
>11905, dr[0.708,0.561], df[0.750,0.050], g[0.791,0.032]
1/1 [=====] - 0s 90ms/step
>11906, dr[0.659,0.417], df[0.727,0.024], g[0.724,0.019]
1/1 [=====] - 0s 87ms/step
>11907, dr[0.711,0.408], df[0.771,0.022], g[0.764,0.032]
1/1 [=====] - 0s 92ms/step
>11908, dr[0.747,0.448], df[0.749,0.026], g[0.722,0.047]
1/1 [=====] - 0s 88ms/step
>11909, dr[0.745,0.282], df[0.723,0.047], g[0.812,0.026]
1/1 [=====] - 0s 87ms/step
>11910, dr[0.728,0.415], df[0.749,0.017], g[0.786,0.024]
1/1 [=====] - 0s 93ms/step
>11911, dr[0.630,0.512], df[0.696,0.006], g[0.818,0.043]
1/1 [=====] - 0s 98ms/step
>11912, dr[0.615,0.627], df[0.723,0.061], g[0.882,0.031]
1/1 [=====] - 0s 90ms/step
>11913, dr[0.671,0.334], df[0.727,0.026], g[0.789,0.044]
1/1 [=====] - 0s 107ms/step
>11914, dr[0.670,0.466], df[0.571,0.024], g[0.859,0.016]
1/1 [=====] - 0s 87ms/step
>11915, dr[0.598,0.416], df[0.626,0.057], g[0.827,0.022]
1/1 [=====] - 0s 84ms/step
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>11916, dr[0.678,0.514], df[0.785,0.036], g[0.761,0.021]
1/1 [=====] - 0s 86ms/step
>11917, dr[0.710,0.714], df[0.677,0.041], g[0.786,0.022]
1/1 [=====] - 0s 84ms/step
>11918, dr[0.718,0.688], df[0.657,0.020], g[0.857,0.031]
1/1 [=====] - 0s 89ms/step
>11919, dr[0.695,0.583], df[0.719,0.037], g[0.866,0.033]
1/1 [=====] - 0s 87ms/step
>11920, dr[0.679,0.500], df[0.716,0.016], g[0.790,0.044]
1/1 [=====] - 0s 89ms/step
>11921, dr[0.699,0.253], df[0.700,0.026], g[0.862,0.017]
1/1 [=====] - 0s 98ms/step
>11922, dr[0.734,0.507], df[0.714,0.021], g[0.746,0.023]
1/1 [=====] - 0s 90ms/step
>11923, dr[0.691,0.598], df[0.695,0.022], g[0.853,0.022]
1/1 [=====] - 0s 86ms/step
>11924, dr[0.672,0.421], df[0.712,0.026], g[0.798,0.023]
1/1 [=====] - 0s 89ms/step
>11925, dr[0.705,0.347], df[0.656,0.013], g[0.889,0.028]
1/1 [=====] - 0s 86ms/step
>11926, dr[0.678,0.249], df[0.713,0.038], g[0.803,0.033]
1/1 [=====] - 0s 90ms/step
>11927, dr[0.733,0.395], df[0.694,0.020], g[0.853,0.022]
1/1 [=====] - 0s 89ms/step
>11928, dr[0.639,0.186], df[0.723,0.023], g[0.776,0.039]
1/1 [=====] - 0s 121ms/step
>11929, dr[0.732,0.392], df[0.619,0.016], g[0.719,0.021]
1/1 [=====] - 0s 91ms/step
>11930, dr[0.640,0.361], df[0.695,0.020], g[0.716,0.047]
1/1 [=====] - 0s 87ms/step
>11931, dr[0.715,0.906], df[0.685,0.014], g[0.779,0.032]
1/1 [=====] - 0s 94ms/step
>11932, dr[0.770,0.617], df[0.747,0.049], g[0.763,0.020]
1/1 [=====] - 0s 91ms/step
>11933, dr[0.584,0.414], df[0.662,0.016], g[0.836,0.046]
1/1 [=====] - 0s 86ms/step
>11934, dr[0.664,0.429], df[0.814,0.022], g[0.758,0.019]
1/1 [=====] - 0s 86ms/step
>11935, dr[0.550,0.390], df[0.792,0.046], g[0.840,0.053]
1/1 [=====] - 0s 96ms/step
>11936, dr[0.675,0.880], df[0.820,0.059], g[0.832,0.081]
1/1 [=====] - 0s 87ms/step
>11937, dr[0.681,0.501], df[0.533,0.035], g[0.831,0.012]
1/1 [=====] - 0s 85ms/step
>11938, dr[0.731,0.712], df[0.748,0.034], g[0.907,0.020]
1/1 [=====] - 0s 94ms/step
>11939, dr[0.710,0.377], df[0.615,0.027], g[0.785,0.019]
1/1 [=====] - 0s 87ms/step
>11940, dr[0.705,0.280], df[0.748,0.049], g[0.771,0.025]
1/1 [=====] - 0s 87ms/step
>11941, dr[0.720,0.668], df[0.727,0.015], g[0.752,0.031]
1/1 [=====] - 0s 87ms/step
>11942, dr[0.630,0.310], df[0.705,0.028], g[0.775,0.028]
1/1 [=====] - 0s 119ms/step
>11943, dr[0.708,0.589], df[0.743,0.045], g[0.745,0.027]
1/1 [=====] - 0s 108ms/step
>11944, dr[0.717,0.280], df[0.695,0.026], g[0.774,0.081]
1/1 [=====] - 0s 118ms/step
>11945, dr[0.652,0.380], df[0.756,0.020], g[0.823,0.043]
1/1 [=====] - 0s 108ms/step
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>11946, dr[0.757,0.206], df[0.696,0.018], g[0.864,0.028]
1/1 [=====] - 0s 107ms/step
>11947, dr[0.645,0.366], df[0.719,0.011], g[0.839,0.023]
1/1 [=====] - 0s 114ms/step
>11948, dr[0.684,0.386], df[0.714,0.034], g[0.843,0.017]
1/1 [=====] - 0s 174ms/step
>11949, dr[0.736,0.435], df[0.740,0.044], g[0.849,0.018]
1/1 [=====] - 0s 121ms/step
>11950, dr[0.710,0.322], df[0.610,0.031], g[0.782,0.018]
1/1 [=====] - 0s 115ms/step
>11951, dr[0.759,0.553], df[0.750,0.038], g[0.782,0.039]
1/1 [=====] - 0s 92ms/step
>11952, dr[0.680,0.649], df[0.666,0.023], g[0.741,0.038]
1/1 [=====] - 0s 90ms/step
>11953, dr[0.657,0.411], df[0.724,0.023], g[0.766,0.027]
1/1 [=====] - 0s 98ms/step
>11954, dr[0.721,0.178], df[0.719,0.038], g[0.723,0.021]
1/1 [=====] - 0s 97ms/step
>11955, dr[0.657,0.379], df[0.675,0.036], g[0.771,0.031]
1/1 [=====] - 0s 90ms/step
>11956, dr[0.648,0.512], df[0.742,0.017], g[0.803,0.039]
1/1 [=====] - 0s 87ms/step
>11957, dr[0.650,0.656], df[0.733,0.032], g[0.751,0.020]
1/1 [=====] - 0s 88ms/step
>11958, dr[0.740,0.202], df[0.675,0.026], g[0.779,0.022]
1/1 [=====] - 0s 86ms/step
>11959, dr[0.764,0.348], df[0.704,0.042], g[0.750,0.029]
1/1 [=====] - 0s 89ms/step
>11960, dr[0.775,0.295], df[0.621,0.052], g[0.755,0.016]
1/1 [=====] - 0s 88ms/step
>11961, dr[0.660,0.436], df[0.785,0.026], g[0.782,0.021]
1/1 [=====] - 0s 102ms/step
>11962, dr[0.590,0.411], df[0.782,0.021], g[0.794,0.034]
1/1 [=====] - 0s 87ms/step
>11963, dr[0.720,0.578], df[0.753,0.017], g[0.775,0.040]
1/1 [=====] - 0s 88ms/step
>11964, dr[0.715,0.619], df[0.744,0.030], g[0.760,0.040]
1/1 [=====] - 0s 95ms/step
>11965, dr[0.738,0.323], df[0.734,0.042], g[0.807,0.034]
1/1 [=====] - 0s 90ms/step
>11966, dr[0.690,0.513], df[0.657,0.026], g[0.798,0.033]
1/1 [=====] - 0s 85ms/step
>11967, dr[0.697,0.762], df[0.719,0.029], g[0.791,0.022]
1/1 [=====] - 0s 90ms/step
>11968, dr[0.641,0.233], df[0.797,0.026], g[0.820,0.025]
1/1 [=====] - 0s 93ms/step
>11969, dr[0.703,0.495], df[0.629,0.020], g[0.804,0.025]
1/1 [=====] - 0s 95ms/step
>11970, dr[0.743,0.195], df[0.672,0.030], g[0.792,0.014]
1/1 [=====] - 0s 99ms/step
>11971, dr[0.728,0.569], df[0.635,0.028], g[0.824,0.019]
1/1 [=====] - 0s 89ms/step
>11972, dr[0.704,0.614], df[0.739,0.027], g[0.745,0.050]
1/1 [=====] - 0s 90ms/step
>11973, dr[0.731,0.224], df[0.762,0.026], g[0.801,0.058]
1/1 [=====] - 0s 88ms/step
>11974, dr[0.645,0.619], df[0.717,0.015], g[0.876,0.048]
1/1 [=====] - 0s 91ms/step
>11975, dr[0.684,0.578], df[0.723,0.013], g[0.804,0.028]
1/1 [=====] - 0s 98ms/step
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>11976, dr[0.640,0.445], df[0.612,0.025], g[0.787,0.028]
1/1 [=====] - 0s 87ms/step
>11977, dr[0.702,0.344], df[0.816,0.028], g[0.862,0.020]
1/1 [=====] - 0s 89ms/step
>11978, dr[0.678,0.273], df[0.656,0.047], g[0.895,0.029]
1/1 [=====] - 0s 96ms/step
>11979, dr[0.729,0.577], df[0.697,0.062], g[0.821,0.022]
1/1 [=====] - 0s 86ms/step
>11980, dr[0.698,0.395], df[0.763,0.022], g[0.756,0.028]
1/1 [=====] - 0s 87ms/step
>11981, dr[0.653,0.736], df[0.762,0.016], g[0.825,0.032]
1/1 [=====] - 0s 94ms/step
>11982, dr[0.659,0.405], df[0.673,0.024], g[0.862,0.026]
1/1 [=====] - 0s 98ms/step
>11983, dr[0.682,0.672], df[0.672,0.021], g[0.813,0.021]
1/1 [=====] - 0s 89ms/step
>11984, dr[0.720,0.510], df[0.814,0.015], g[0.866,0.024]
1/1 [=====] - 0s 90ms/step
>11985, dr[0.752,0.357], df[0.692,0.033], g[0.832,0.036]
1/1 [=====] - 0s 99ms/step
>11986, dr[0.698,0.533], df[0.654,0.029], g[0.811,0.027]
1/1 [=====] - 0s 91ms/step
>11987, dr[0.751,0.732], df[0.766,0.036], g[0.806,0.038]
1/1 [=====] - 0s 88ms/step
>11988, dr[0.623,0.876], df[0.724,0.037], g[0.846,0.019]
1/1 [=====] - 0s 91ms/step
>11989, dr[0.720,0.499], df[0.694,0.022], g[0.815,0.033]
1/1 [=====] - 0s 93ms/step
>11990, dr[0.671,0.156], df[0.664,0.023], g[0.803,0.034]
1/1 [=====] - 0s 87ms/step
>11991, dr[0.787,0.553], df[0.630,0.018], g[0.855,0.030]
1/1 [=====] - 0s 96ms/step
>11992, dr[0.647,0.585], df[0.756,0.038], g[0.767,0.027]
1/1 [=====] - 0s 106ms/step
>11993, dr[0.788,0.901], df[0.678,0.023], g[0.743,0.040]
1/1 [=====] - 0s 120ms/step
>11994, dr[0.720,0.566], df[0.636,0.022], g[0.753,0.019]
1/1 [=====] - 0s 119ms/step
>11995, dr[0.586,0.399], df[0.810,0.065], g[0.755,0.029]
1/1 [=====] - 0s 101ms/step
>11996, dr[0.579,0.486], df[0.706,0.022], g[0.799,0.024]
1/1 [=====] - 0s 94ms/step
>11997, dr[0.671,0.565], df[0.774,0.014], g[0.812,0.019]
1/1 [=====] - 0s 96ms/step
>11998, dr[0.675,0.533], df[0.757,0.032], g[0.791,0.032]
1/1 [=====] - 0s 109ms/step
>11999, dr[0.693,0.507], df[0.696,0.021], g[0.729,0.033]
1/1 [=====] - 0s 98ms/step
>12000, dr[0.705,0.769], df[0.657,0.034], g[0.799,0.052]
1/1 [=====] - 0s 94ms/step
>12001, dr[0.685,0.513], df[0.651,0.030], g[0.828,0.013]
1/1 [=====] - 0s 103ms/step
>12002, dr[0.673,0.332], df[0.705,0.046], g[0.764,0.023]
1/1 [=====] - 0s 113ms/step
>12003, dr[0.710,0.309], df[0.654,0.013], g[0.768,0.029]
1/1 [=====] - 0s 102ms/step
>12004, dr[0.720,0.507], df[0.766,0.029], g[0.804,0.027]
1/1 [=====] - 0s 106ms/step
>12005, dr[0.692,0.869], df[0.736,0.040], g[0.696,0.035]
1/1 [=====] - 0s 111ms/step
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>12006, dr[0.704,0.101], df[0.690,0.031], g[0.836,0.041]
1/1 [=====] - 0s 101ms/step
>12007, dr[0.702,0.543], df[0.727,0.051], g[0.762,0.019]
1/1 [=====] - 0s 124ms/step
>12008, dr[0.639,0.440], df[0.668,0.034], g[0.796,0.030]
1/1 [=====] - 0s 113ms/step
>12009, dr[0.764,0.442], df[0.684,0.019], g[0.785,0.074]
1/1 [=====] - 0s 95ms/step
>12010, dr[0.646,0.403], df[0.739,0.032], g[0.876,0.021]
1/1 [=====] - 0s 97ms/step
>12011, dr[0.679,0.420], df[0.696,0.021], g[0.746,0.028]
1/1 [=====] - 0s 113ms/step
>12012, dr[0.688,0.414], df[0.620,0.018], g[0.849,0.018]
1/1 [=====] - 0s 107ms/step
>12013, dr[0.773,0.425], df[0.735,0.018], g[0.848,0.023]
1/1 [=====] - 0s 92ms/step
>12014, dr[0.736,0.529], df[0.730,0.018], g[0.762,0.017]
1/1 [=====] - 0s 95ms/step
>12015, dr[0.719,0.569], df[0.740,0.038], g[0.788,0.031]
1/1 [=====] - 0s 98ms/step
>12016, dr[0.702,0.669], df[0.663,0.024], g[0.803,0.025]
1/1 [=====] - 0s 94ms/step
>12017, dr[0.594,0.444], df[0.833,0.028], g[0.838,0.044]
1/1 [=====] - 0s 89ms/step
>12018, dr[0.669,0.494], df[0.764,0.022], g[0.813,0.024]
1/1 [=====] - 0s 85ms/step
>12019, dr[0.648,0.488], df[0.678,0.022], g[0.792,0.037]
1/1 [=====] - 0s 102ms/step
>12020, dr[0.670,0.551], df[0.780,0.015], g[0.824,0.066]
1/1 [=====] - 0s 90ms/step
>12021, dr[0.662,0.404], df[0.665,0.015], g[0.896,0.033]
1/1 [=====] - 0s 133ms/step
>12022, dr[0.744,0.441], df[0.767,0.015], g[0.806,0.031]
1/1 [=====] - 0s 93ms/step
>12023, dr[0.646,0.515], df[0.641,0.019], g[0.812,0.025]
1/1 [=====] - 0s 104ms/step
>12024, dr[0.746,0.444], df[0.696,0.027], g[0.870,0.015]
1/1 [=====] - 0s 85ms/step
>12025, dr[0.817,0.360], df[0.700,0.022], g[0.822,0.024]
1/1 [=====] - 0s 92ms/step
>12026, dr[0.739,0.435], df[0.682,0.017], g[0.831,0.023]
1/1 [=====] - 0s 90ms/step
>12027, dr[0.666,0.541], df[0.725,0.053], g[0.734,0.017]
1/1 [=====] - 0s 97ms/step
>12028, dr[0.656,0.449], df[0.788,0.016], g[0.780,0.028]
1/1 [=====] - 0s 89ms/step
>12029, dr[0.678,0.458], df[0.695,0.013], g[0.748,0.019]
1/1 [=====] - 0s 86ms/step
>12030, dr[0.709,0.608], df[0.688,0.026], g[0.754,0.028]
1/1 [=====] - 0s 101ms/step
>12031, dr[0.714,0.457], df[0.691,0.018], g[0.791,0.022]
1/1 [=====] - 0s 91ms/step
>12032, dr[0.630,0.334], df[0.653,0.023], g[0.839,0.016]
1/1 [=====] - 0s 92ms/step
>12033, dr[0.645,0.587], df[0.736,0.022], g[0.784,0.034]
1/1 [=====] - 0s 89ms/step
>12034, dr[0.655,0.467], df[0.748,0.014], g[0.821,0.017]
1/1 [=====] - 0s 85ms/step
>12035, dr[0.654,0.627], df[0.698,0.021], g[0.762,0.015]
1/1 [=====] - 0s 86ms/step
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>12036, dr[0.593,0.570], df[0.643,0.030], g[0.718,0.031]
1/1 [=====] - 0s 91ms/step
>12037, dr[0.711,0.390], df[0.733,0.020], g[0.841,0.017]
1/1 [=====] - 0s 96ms/step
>12038, dr[0.716,0.497], df[0.700,0.020], g[0.784,0.021]
1/1 [=====] - 0s 87ms/step
>12039, dr[0.682,0.324], df[0.712,0.067], g[0.790,0.012]
1/1 [=====] - 0s 90ms/step
>12040, dr[0.681,0.541], df[0.687,0.030], g[0.847,0.029]
1/1 [=====] - 0s 95ms/step
>12041, dr[0.672,0.813], df[0.678,0.021], g[0.725,0.020]
1/1 [=====] - 0s 90ms/step
>12042, dr[0.690,0.418], df[0.689,0.047], g[0.817,0.022]
1/1 [=====] - 0s 86ms/step
>12043, dr[0.626,0.269], df[0.780,0.015], g[0.809,0.023]
1/1 [=====] - 0s 92ms/step
>12044, dr[0.726,0.433], df[0.717,0.035], g[0.789,0.050]
1/1 [=====] - 0s 89ms/step
>12045, dr[0.681,0.610], df[0.721,0.041], g[0.805,0.022]
1/1 [=====] - 0s 88ms/step
>12046, dr[0.707,0.507], df[0.729,0.024], g[0.792,0.027]
1/1 [=====] - 0s 92ms/step
>12047, dr[0.689,0.488], df[0.689,0.024], g[0.768,0.021]
1/1 [=====] - 0s 102ms/step
>12048, dr[0.702,0.537], df[0.736,0.038], g[0.768,0.025]
1/1 [=====] - 0s 94ms/step
>12049, dr[0.685,0.622], df[0.667,0.010], g[0.811,0.030]
1/1 [=====] - 0s 91ms/step
>12050, dr[0.617,0.334], df[0.613,0.026], g[0.798,0.031]
1/1 [=====] - 0s 91ms/step
>12051, dr[0.682,0.197], df[0.719,0.039], g[0.837,0.024]
1/1 [=====] - 0s 88ms/step
>12052, dr[0.716,0.478], df[0.692,0.019], g[0.776,0.028]
1/1 [=====] - 0s 86ms/step
>12053, dr[0.658,0.379], df[0.752,0.029], g[0.753,0.041]
1/1 [=====] - 0s 96ms/step
>12054, dr[0.736,0.547], df[0.681,0.017], g[0.766,0.029]
1/1 [=====] - 0s 97ms/step
>12055, dr[0.676,0.591], df[0.795,0.032], g[0.734,0.024]
1/1 [=====] - 0s 87ms/step
>12056, dr[0.673,0.495], df[0.671,0.021], g[0.838,0.030]
1/1 [=====] - 0s 86ms/step
>12057, dr[0.681,0.342], df[0.691,0.034], g[0.771,0.044]
1/1 [=====] - 0s 92ms/step
>12058, dr[0.640,0.303], df[0.625,0.023], g[0.735,0.039]
1/1 [=====] - 0s 89ms/step
>12059, dr[0.590,0.616], df[0.686,0.032], g[0.845,0.021]
1/1 [=====] - 0s 88ms/step
>12060, dr[0.675,0.452], df[0.683,0.032], g[0.757,0.027]
1/1 [=====] - 0s 87ms/step
>12061, dr[0.672,0.565], df[0.742,0.019], g[0.795,0.043]
1/1 [=====] - 0s 103ms/step
>12062, dr[0.692,0.291], df[0.743,0.026], g[0.788,0.048]
1/1 [=====] - 0s 90ms/step
>12063, dr[0.715,0.540], df[0.712,0.020], g[0.757,0.027]
1/1 [=====] - 0s 90ms/step
>12064, dr[0.743,0.363], df[0.788,0.020], g[0.819,0.024]
1/1 [=====] - 0s 102ms/step
>12065, dr[0.699,0.627], df[0.642,0.037], g[0.806,0.038]
1/1 [=====] - 0s 88ms/step
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>12066, dr[0.606,0.338], df[0.697,0.026], g[0.789,0.031]
1/1 [=====] - 0s 89ms/step
>12067, dr[0.673,0.179], df[0.730,0.019], g[0.808,0.038]
1/1 [=====] - 0s 92ms/step
>12068, dr[0.625,0.345], df[0.738,0.018], g[0.835,0.018]
1/1 [=====] - 0s 113ms/step
>12069, dr[0.734,0.337], df[0.652,0.022], g[0.777,0.062]
1/1 [=====] - 0s 109ms/step
>12070, dr[0.705,0.372], df[0.683,0.028], g[0.785,0.040]
1/1 [=====] - 0s 113ms/step
>12071, dr[0.645,0.518], df[0.703,0.033], g[0.745,0.034]
1/1 [=====] - 0s 112ms/step
>12072, dr[0.712,0.629], df[0.698,0.032], g[0.832,0.037]
1/1 [=====] - 0s 113ms/step
>12073, dr[0.691,0.317], df[0.666,0.034], g[0.762,0.030]
1/1 [=====] - 0s 126ms/step
>12074, dr[0.629,0.335], df[0.715,0.035], g[0.787,0.018]
1/1 [=====] - 0s 100ms/step
>12075, dr[0.607,0.407], df[0.693,0.024], g[0.826,0.027]
1/1 [=====] - 0s 104ms/step
>12076, dr[0.687,0.209], df[0.671,0.017], g[0.809,0.024]
1/1 [=====] - 0s 121ms/step
>12077, dr[0.722,0.657], df[0.758,0.019], g[0.806,0.020]
1/1 [=====] - 0s 93ms/step
>12078, dr[0.669,0.453], df[0.726,0.020], g[0.780,0.024]
1/1 [=====] - 0s 91ms/step
>12079, dr[0.673,0.722], df[0.713,0.024], g[0.799,0.030]
1/1 [=====] - 0s 103ms/step
>12080, dr[0.681,0.279], df[0.694,0.026], g[0.810,0.028]
1/1 [=====] - 0s 93ms/step
>12081, dr[0.714,0.348], df[0.646,0.044], g[0.815,0.028]
1/1 [=====] - 0s 89ms/step
>12082, dr[0.714,0.624], df[0.682,0.015], g[0.807,0.022]
1/1 [=====] - 0s 93ms/step
>12083, dr[0.707,0.648], df[0.734,0.049], g[0.774,0.015]
1/1 [=====] - 0s 104ms/step
>12084, dr[0.678,0.526], df[0.796,0.026], g[0.773,0.037]
1/1 [=====] - 0s 88ms/step
>12085, dr[0.613,0.407], df[0.676,0.059], g[0.714,0.070]
1/1 [=====] - 0s 88ms/step
>12086, dr[0.712,0.400], df[0.690,0.051], g[0.816,0.033]
1/1 [=====] - 0s 91ms/step
>12087, dr[0.663,0.407], df[0.668,0.020], g[0.827,0.024]
1/1 [=====] - 0s 88ms/step
>12088, dr[0.758,0.425], df[0.671,0.025], g[0.785,0.026]
1/1 [=====] - 0s 87ms/step
>12089, dr[0.767,0.394], df[0.722,0.018], g[0.804,0.022]
1/1 [=====] - 0s 91ms/step
>12090, dr[0.585,0.619], df[0.738,0.042], g[0.830,0.025]
1/1 [=====] - 0s 98ms/step
>12091, dr[0.739,0.703], df[0.722,0.029], g[0.816,0.031]
1/1 [=====] - 0s 92ms/step
>12092, dr[0.656,0.535], df[0.774,0.023], g[0.836,0.017]
1/1 [=====] - 0s 88ms/step
>12093, dr[0.652,0.846], df[0.693,0.020], g[0.789,0.020]
1/1 [=====] - 0s 91ms/step
>12094, dr[0.769,0.359], df[0.636,0.022], g[0.781,0.018]
1/1 [=====] - 0s 129ms/step
>12095, dr[0.652,0.448], df[0.754,0.055], g[0.798,0.034]
1/1 [=====] - 0s 105ms/step
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>12096, dr[0.638,0.610], df[0.588,0.036], g[0.815,0.039]
1/1 [=====] - 0s 86ms/step
>12097, dr[0.721,0.499], df[0.667,0.022], g[0.728,0.030]
1/1 [=====] - 0s 101ms/step
>12098, dr[0.660,0.240], df[0.670,0.027], g[0.753,0.045]
1/1 [=====] - 0s 88ms/step
>12099, dr[0.701,0.433], df[0.701,0.023], g[0.720,0.042]
1/1 [=====] - 0s 87ms/step
>12100, dr[0.728,0.416], df[0.759,0.030], g[0.740,0.025]
1/1 [=====] - 0s 92ms/step
>12101, dr[0.674,0.627], df[0.703,0.027], g[0.803,0.026]
1/1 [=====] - 0s 88ms/step
>12102, dr[0.661,0.380], df[0.693,0.012], g[0.710,0.030]
1/1 [=====] - 0s 96ms/step
>12103, dr[0.697,0.440], df[0.722,0.061], g[0.850,0.065]
1/1 [=====] - 0s 87ms/step
>12104, dr[0.683,0.446], df[0.743,0.036], g[0.832,0.033]
1/1 [=====] - 0s 88ms/step
>12105, dr[0.699,0.552], df[0.735,0.039], g[0.814,0.068]
1/1 [=====] - 0s 100ms/step
>12106, dr[0.641,0.398], df[0.722,0.014], g[0.707,0.024]
1/1 [=====] - 0s 87ms/step
>12107, dr[0.777,0.772], df[0.782,0.034], g[0.773,0.038]
1/1 [=====] - 0s 87ms/step
>12108, dr[0.709,0.345], df[0.792,0.029], g[0.775,0.038]
1/1 [=====] - 0s 90ms/step
>12109, dr[0.748,0.423], df[0.747,0.023], g[0.768,0.045]
1/1 [=====] - 0s 94ms/step
>12110, dr[0.749,0.621], df[0.664,0.028], g[0.860,0.029]
1/1 [=====] - 0s 91ms/step
>12111, dr[0.689,0.599], df[0.716,0.039], g[0.817,0.027]
1/1 [=====] - 0s 88ms/step
>12112, dr[0.620,0.331], df[0.750,0.016], g[0.815,0.030]
1/1 [=====] - 0s 104ms/step
>12113, dr[0.753,0.643], df[0.596,0.025], g[0.757,0.019]
1/1 [=====] - 0s 89ms/step
>12114, dr[0.616,0.748], df[0.733,0.021], g[0.753,0.029]
1/1 [=====] - 0s 91ms/step
>12115, dr[0.687,0.389], df[0.714,0.033], g[0.788,0.023]
1/1 [=====] - 0s 91ms/step
>12116, dr[0.737,0.790], df[0.675,0.031], g[0.740,0.047]
1/1 [=====] - 0s 96ms/step
>12117, dr[0.695,0.564], df[0.648,0.027], g[0.765,0.024]
1/1 [=====] - 0s 88ms/step
>12118, dr[0.703,0.493], df[0.783,0.019], g[0.807,0.021]
1/1 [=====] - 0s 91ms/step
>12119, dr[0.581,0.393], df[0.668,0.012], g[0.771,0.059]
1/1 [=====] - 0s 107ms/step
>12120, dr[0.710,0.277], df[0.691,0.095], g[0.778,0.019]
1/1 [=====] - 0s 99ms/step
>12121, dr[0.681,0.452], df[0.699,0.022], g[0.805,0.023]
1/1 [=====] - 0s 104ms/step
>12122, dr[0.683,0.339], df[0.629,0.039], g[0.776,0.027]
1/1 [=====] - 0s 93ms/step
>12123, dr[0.643,0.615], df[0.661,0.033], g[0.833,0.025]
1/1 [=====] - 0s 104ms/step
>12124, dr[0.724,0.348], df[0.694,0.021], g[0.746,0.018]
1/1 [=====] - 0s 87ms/step
>12125, dr[0.631,0.570], df[0.804,0.028], g[0.801,0.028]
1/1 [=====] - 0s 88ms/step
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>12126, dr[0.644,0.517], df[0.649,0.025], g[0.809,0.023]
1/1 [=====] - 0s 94ms/step
>12127, dr[0.713,0.552], df[0.736,0.038], g[0.827,0.037]
1/1 [=====] - 0s 92ms/step
>12128, dr[0.759,0.331], df[0.778,0.039], g[0.788,0.018]
1/1 [=====] - 0s 87ms/step
>12129, dr[0.663,0.414], df[0.692,0.024], g[0.830,0.019]
1/1 [=====] - 0s 106ms/step
>12130, dr[0.624,0.403], df[0.618,0.042], g[0.806,0.030]
1/1 [=====] - 0s 96ms/step
>12131, dr[0.738,0.181], df[0.688,0.025], g[0.832,0.038]
1/1 [=====] - 0s 96ms/step
>12132, dr[0.673,0.632], df[0.655,0.027], g[0.733,0.027]
1/1 [=====] - 0s 86ms/step
>12133, dr[0.637,0.322], df[0.714,0.051], g[0.746,0.016]
1/1 [=====] - 0s 87ms/step
>12134, dr[0.669,0.772], df[0.737,0.018], g[0.846,0.027]
1/1 [=====] - 0s 94ms/step
>12135, dr[0.701,0.812], df[0.657,0.029], g[0.748,0.036]
1/1 [=====] - 0s 87ms/step
>12136, dr[0.685,0.426], df[0.749,0.027], g[0.791,0.039]
1/1 [=====] - 0s 89ms/step
>12137, dr[0.740,0.689], df[0.744,0.053], g[0.775,0.041]
1/1 [=====] - 0s 97ms/step
>12138, dr[0.695,0.435], df[0.692,0.025], g[0.819,0.026]
1/1 [=====] - 0s 92ms/step
>12139, dr[0.647,0.310], df[0.637,0.036], g[0.787,0.045]
1/1 [=====] - 0s 88ms/step
>12140, dr[0.713,0.559], df[0.627,0.055], g[0.759,0.018]
1/1 [=====] - 0s 92ms/step
>12141, dr[0.647,0.391], df[0.662,0.061], g[0.739,0.020]
1/1 [=====] - 0s 85ms/step
>12142, dr[0.636,0.238], df[0.707,0.025], g[0.752,0.028]
1/1 [=====] - 0s 85ms/step
>12143, dr[0.656,0.451], df[0.631,0.030], g[0.782,0.018]
1/1 [=====] - 0s 95ms/step
>12144, dr[0.692,0.537], df[0.643,0.058], g[0.757,0.026]
1/1 [=====] - 0s 98ms/step
>12145, dr[0.653,0.579], df[0.758,0.027], g[0.810,0.022]
1/1 [=====] - 0s 91ms/step
>12146, dr[0.599,0.329], df[0.697,0.024], g[0.810,0.050]
1/1 [=====] - 0s 85ms/step
>12147, dr[0.712,0.326], df[0.698,0.027], g[0.812,0.035]
1/1 [=====] - 0s 91ms/step
>12148, dr[0.678,0.815], df[0.675,0.023], g[0.803,0.033]
1/1 [=====] - 0s 89ms/step
>12149, dr[0.597,0.271], df[0.662,0.025], g[0.762,0.018]
1/1 [=====] - 0s 95ms/step
>12150, dr[0.655,0.773], df[0.668,0.034], g[0.786,0.027]
1/1 [=====] - 0s 93ms/step
>12151, dr[0.605,0.372], df[0.683,0.020], g[0.802,0.023]
1/1 [=====] - 0s 98ms/step
>12152, dr[0.737,0.323], df[0.665,0.016], g[0.862,0.025]
1/1 [=====] - 0s 87ms/step
>12153, dr[0.639,0.221], df[0.718,0.025], g[0.732,0.019]
1/1 [=====] - 0s 88ms/step
>12154, dr[0.669,0.500], df[0.681,0.019], g[0.849,0.026]
1/1 [=====] - 0s 92ms/step
>12155, dr[0.648,0.560], df[0.767,0.046], g[0.802,0.056]
1/1 [=====] - 0s 87ms/step
```

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>12156, dr[0.694,0.604], df[0.734,0.019], g[0.825,0.017]
1/1 [=====] - 0s 90ms/step
>12157, dr[0.632,0.206], df[0.665,0.015], g[0.789,0.013]
1/1 [=====] - 0s 116ms/step
>12158, dr[0.692,0.285], df[0.613,0.045], g[0.783,0.024]
1/1 [=====] - 0s 102ms/step
>12159, dr[0.679,0.582], df[0.695,0.035], g[0.805,0.031]
1/1 [=====] - 0s 88ms/step
>12160, dr[0.731,0.375], df[0.744,0.033], g[0.808,0.027]
1/1 [=====] - 0s 89ms/step
>12161, dr[0.707,0.342], df[0.701,0.046], g[0.818,0.026]
1/1 [=====] - 0s 90ms/step
>12162, dr[0.686,0.236], df[0.742,0.021], g[0.809,0.018]
1/1 [=====] - 0s 103ms/step
>12163, dr[0.682,0.470], df[0.733,0.030], g[0.791,0.026]
1/1 [=====] - 0s 88ms/step
>12164, dr[0.726,0.566], df[0.741,0.030], g[0.804,0.020]
1/1 [=====] - 0s 88ms/step
>12165, dr[0.701,0.538], df[0.662,0.025], g[0.797,0.037]
1/1 [=====] - 0s 92ms/step
>12166, dr[0.681,0.382], df[0.649,0.046], g[0.745,0.021]
1/1 [=====] - 0s 90ms/step
>12167, dr[0.628,0.791], df[0.821,0.034], g[0.846,0.028]
1/1 [=====] - 0s 90ms/step
>12168, dr[0.683,0.457], df[0.704,0.016], g[0.854,0.041]
1/1 [=====] - 0s 90ms/step
>12169, dr[0.782,0.278], df[0.675,0.016], g[0.772,0.016]
1/1 [=====] - 0s 96ms/step
>12170, dr[0.659,0.470], df[0.725,0.065], g[0.828,0.029]
1/1 [=====] - 0s 88ms/step
>12171, dr[0.713,0.357], df[0.772,0.015], g[0.806,0.043]
1/1 [=====] - 0s 107ms/step
>12172, dr[0.742,0.611], df[0.765,0.021], g[0.754,0.030]
1/1 [=====] - 0s 93ms/step
>12173, dr[0.701,0.397], df[0.784,0.021], g[0.781,0.022]
1/1 [=====] - 0s 90ms/step
>12174, dr[0.696,0.513], df[0.697,0.044], g[0.812,0.036]
1/1 [=====] - 0s 88ms/step
>12175, dr[0.654,0.389], df[0.730,0.017], g[0.809,0.033]
1/1 [=====] - 0s 108ms/step
>12176, dr[0.682,0.422], df[0.764,0.030], g[0.811,0.030]
1/1 [=====] - 0s 93ms/step
>12177, dr[0.721,0.326], df[0.706,0.022], g[0.877,0.030]
1/1 [=====] - 0s 95ms/step
>12178, dr[0.721,0.264], df[0.662,0.011], g[0.837,0.017]
1/1 [=====] - 0s 88ms/step
>12179, dr[0.776,0.523], df[0.653,0.041], g[0.798,0.020]
1/1 [=====] - 0s 90ms/step
>12180, dr[0.635,0.310], df[0.763,0.033], g[0.841,0.028]
1/1 [=====] - 0s 105ms/step
>12181, dr[0.733,0.192], df[0.703,0.062], g[0.816,0.030]
4/4 [=====] - 0s 56ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_12181.png and model_12181.h5
1/1 [=====] - 0s 97ms/step
>12182, dr[0.793,0.652], df[0.808,0.023], g[0.827,0.044]
1/1 [=====] - 0s 109ms/step
>12183, dr[0.728,0.456], df[0.710,0.025], g[0.777,0.031]
1/1 [=====] - 0s 95ms/step
```

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>12184, dr[0.621,0.324], df[0.710,0.023], g[0.766,0.025]
1/1 [=====] - 0s 129ms/step
>12185, dr[0.673,0.499], df[0.690,0.035], g[0.824,0.029]
1/1 [=====] - 0s 99ms/step
>12186, dr[0.732,0.429], df[0.748,0.049], g[0.751,0.021]
1/1 [=====] - 0s 97ms/step
>12187, dr[0.685,0.432], df[0.739,0.010], g[0.788,0.016]
1/1 [=====] - 0s 93ms/step
>12188, dr[0.692,0.613], df[0.711,0.009], g[0.776,0.017]
1/1 [=====] - 0s 92ms/step
>12189, dr[0.686,0.417], df[0.741,0.016], g[0.773,0.024]
1/1 [=====] - 0s 90ms/step
>12190, dr[0.650,0.405], df[0.664,0.032], g[0.774,0.034]
1/1 [=====] - 0s 103ms/step
>12191, dr[0.706,0.393], df[0.745,0.028], g[0.791,0.021]
1/1 [=====] - 0s 88ms/step
>12192, dr[0.690,0.335], df[0.807,0.028], g[0.787,0.020]
1/1 [=====] - 0s 96ms/step
>12193, dr[0.642,0.573], df[0.700,0.018], g[0.842,0.023]
1/1 [=====] - 0s 89ms/step
>12194, dr[0.703,0.534], df[0.743,0.062], g[0.837,0.031]
1/1 [=====] - 0s 86ms/step
>12195, dr[0.678,0.294], df[0.614,0.023], g[0.882,0.025]
1/1 [=====] - 0s 88ms/step
>12196, dr[0.692,0.388], df[0.709,0.028], g[0.826,0.037]
1/1 [=====] - 0s 86ms/step
>12197, dr[0.671,0.595], df[0.624,0.040], g[0.780,0.039]
1/1 [=====] - 0s 97ms/step
>12198, dr[0.695,0.676], df[0.647,0.023], g[0.866,0.034]
1/1 [=====] - 0s 94ms/step
>12199, dr[0.636,0.604], df[0.756,0.026], g[0.746,0.047]
1/1 [=====] - 0s 87ms/step
>12200, dr[0.696,0.768], df[0.707,0.026], g[0.870,0.027]
1/1 [=====] - 0s 92ms/step
>12201, dr[0.714,0.429], df[0.819,0.018], g[0.804,0.024]
1/1 [=====] - 0s 89ms/step
>12202, dr[0.686,0.642], df[0.673,0.015], g[0.865,0.021]
1/1 [=====] - 0s 88ms/step
>12203, dr[0.726,0.396], df[0.676,0.026], g[0.802,0.021]
1/1 [=====] - 0s 109ms/step
>12204, dr[0.647,0.198], df[0.694,0.031], g[0.838,0.024]
1/1 [=====] - 0s 95ms/step
>12205, dr[0.744,0.335], df[0.682,0.015], g[0.819,0.027]
1/1 [=====] - 0s 90ms/step
>12206, dr[0.772,0.509], df[0.666,0.021], g[0.824,0.044]
1/1 [=====] - 0s 86ms/step
>12207, dr[0.674,0.839], df[0.727,0.039], g[0.771,0.032]
1/1 [=====] - 0s 94ms/step
>12208, dr[0.745,0.337], df[0.666,0.033], g[0.779,0.028]
1/1 [=====] - 0s 87ms/step
>12209, dr[0.720,0.688], df[0.722,0.011], g[0.821,0.019]
1/1 [=====] - 0s 93ms/step
>12210, dr[0.636,0.472], df[0.740,0.026], g[0.820,0.050]
1/1 [=====] - 0s 88ms/step
>12211, dr[0.606,0.584], df[0.683,0.018], g[0.765,0.020]
1/1 [=====] - 0s 88ms/step
>12212, dr[0.717,0.354], df[0.820,0.023], g[0.788,0.044]
1/1 [=====] - 0s 90ms/step
>12213, dr[0.677,0.398], df[0.669,0.023], g[0.867,0.034]
1/1 [=====] - 0s 91ms/step
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>12214, dr[0.774,0.570], df[0.723,0.069], g[0.804,0.038]
1/1 [=====] - 0s 97ms/step
>12215, dr[0.672,0.296], df[0.652,0.020], g[0.763,0.017]
1/1 [=====] - 0s 89ms/step
>12216, dr[0.698,0.472], df[0.682,0.029], g[0.790,0.020]
1/1 [=====] - 0s 87ms/step
>12217, dr[0.669,0.477], df[0.603,0.028], g[0.792,0.058]
1/1 [=====] - 0s 90ms/step
>12218, dr[0.596,0.633], df[0.781,0.023], g[0.762,0.024]
1/1 [=====] - 0s 89ms/step
>12219, dr[0.737,0.357], df[0.663,0.020], g[0.740,0.016]
1/1 [=====] - 0s 87ms/step
>12220, dr[0.630,0.395], df[0.714,0.025], g[0.705,0.038]
1/1 [=====] - 0s 92ms/step
>12221, dr[0.713,0.238], df[0.708,0.052], g[0.765,0.016]
1/1 [=====] - 0s 118ms/step
>12222, dr[0.686,0.440], df[0.717,0.022], g[0.783,0.029]
1/1 [=====] - 0s 117ms/step
>12223, dr[0.667,0.466], df[0.690,0.017], g[0.780,0.011]
1/1 [=====] - 0s 117ms/step
>12224, dr[0.688,0.470], df[0.709,0.032], g[0.837,0.019]
1/1 [=====] - 0s 108ms/step
>12225, dr[0.623,0.478], df[0.667,0.018], g[0.870,0.030]
1/1 [=====] - 0s 109ms/step
>12226, dr[0.683,0.329], df[0.729,0.027], g[0.762,0.018]
1/1 [=====] - 0s 125ms/step
>12227, dr[0.679,0.528], df[0.689,0.026], g[0.828,0.023]
1/1 [=====] - 0s 117ms/step
>12228, dr[0.726,0.551], df[0.718,0.018], g[0.749,0.020]
1/1 [=====] - 0s 108ms/step
>12229, dr[0.661,0.175], df[0.705,0.023], g[0.775,0.020]
1/1 [=====] - 0s 96ms/step
>12230, dr[0.638,0.551], df[0.655,0.039], g[0.799,0.024]
1/1 [=====] - 0s 91ms/step
>12231, dr[0.647,0.745], df[0.725,0.024], g[0.732,0.019]
1/1 [=====] - 0s 93ms/step
>12232, dr[0.718,0.465], df[0.690,0.026], g[0.813,0.017]
1/1 [=====] - 0s 87ms/step
>12233, dr[0.629,0.269], df[0.655,0.071], g[0.828,0.028]
1/1 [=====] - 0s 90ms/step
>12234, dr[0.697,0.405], df[0.727,0.028], g[0.841,0.016]
1/1 [=====] - 0s 86ms/step
>12235, dr[0.669,0.465], df[0.735,0.027], g[0.813,0.032]
1/1 [=====] - 0s 95ms/step
>12236, dr[0.682,0.576], df[0.781,0.023], g[0.874,0.023]
1/1 [=====] - 0s 89ms/step
>12237, dr[0.763,0.671], df[0.705,0.069], g[0.816,0.019]
1/1 [=====] - 0s 89ms/step
>12238, dr[0.741,0.294], df[0.658,0.029], g[0.836,0.033]
1/1 [=====] - 0s 93ms/step
>12239, dr[0.619,0.608], df[0.722,0.035], g[0.785,0.024]
1/1 [=====] - 0s 88ms/step
>12240, dr[0.666,0.634], df[0.692,0.026], g[0.824,0.021]
1/1 [=====] - 0s 90ms/step
>12241, dr[0.717,0.679], df[0.763,0.015], g[0.830,0.018]
1/1 [=====] - 0s 87ms/step
>12242, dr[0.610,0.894], df[0.684,0.068], g[0.827,0.064]
1/1 [=====] - 0s 96ms/step
>12243, dr[0.687,0.235], df[0.709,0.033], g[0.898,0.027]
1/1 [=====] - 0s 89ms/step
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>12244, dr[0.663,0.398], df[0.694,0.021], g[0.911,0.041]
1/1 [=====] - 0s 89ms/step
>12245, dr[0.760,0.609], df[0.688,0.017], g[0.805,0.022]
1/1 [=====] - 0s 96ms/step
>12246, dr[0.720,0.340], df[0.651,0.021], g[0.838,0.035]
1/1 [=====] - 0s 88ms/step
>12247, dr[0.745,0.575], df[0.699,0.023], g[0.767,0.029]
1/1 [=====] - 0s 97ms/step
>12248, dr[0.675,0.464], df[0.760,0.013], g[0.783,0.021]
1/1 [=====] - 0s 89ms/step
>12249, dr[0.689,0.469], df[0.683,0.033], g[0.855,0.028]
1/1 [=====] - 0s 92ms/step
>12250, dr[0.697,0.323], df[0.680,0.023], g[0.796,0.028]
1/1 [=====] - 0s 90ms/step
>12251, dr[0.735,0.470], df[0.670,0.028], g[0.789,0.019]
1/1 [=====] - 0s 89ms/step
>12252, dr[0.742,0.502], df[0.765,0.022], g[0.841,0.022]
1/1 [=====] - 0s 95ms/step
>12253, dr[0.749,0.516], df[0.740,0.040], g[0.807,0.025]
1/1 [=====] - 0s 87ms/step
>12254, dr[0.671,1.097], df[0.746,0.033], g[0.788,0.016]
1/1 [=====] - 0s 94ms/step
>12255, dr[0.639,0.549], df[0.707,0.019], g[0.807,0.016]
1/1 [=====] - 0s 92ms/step
>12256, dr[0.794,0.516], df[0.798,0.061], g[0.783,0.072]
1/1 [=====] - 0s 90ms/step
>12257, dr[0.657,0.382], df[0.703,0.009], g[0.820,0.033]
1/1 [=====] - 0s 88ms/step
>12258, dr[0.791,0.542], df[0.672,0.025], g[0.778,0.034]
1/1 [=====] - 0s 89ms/step
>12259, dr[0.665,0.352], df[0.756,0.031], g[0.814,0.022]
1/1 [=====] - 0s 96ms/step
>12260, dr[0.679,0.447], df[0.678,0.019], g[0.763,0.027]
1/1 [=====] - 0s 89ms/step
>12261, dr[0.637,0.404], df[0.685,0.025], g[0.761,0.024]
1/1 [=====] - 0s 87ms/step
>12262, dr[0.656,0.393], df[0.729,0.015], g[0.827,0.033]
1/1 [=====] - 0s 95ms/step
>12263, dr[0.704,0.507], df[0.760,0.041], g[0.799,0.042]
1/1 [=====] - 0s 90ms/step
>12264, dr[0.638,0.236], df[0.729,0.022], g[0.748,0.042]
1/1 [=====] - 0s 87ms/step
>12265, dr[0.636,0.398], df[0.672,0.034], g[0.809,0.033]
1/1 [=====] - 0s 94ms/step
>12266, dr[0.748,0.564], df[0.708,0.017], g[0.748,0.021]
1/1 [=====] - 0s 90ms/step
>12267, dr[0.687,0.428], df[0.696,0.020], g[0.777,0.018]
1/1 [=====] - 0s 86ms/step
>12268, dr[0.779,0.611], df[0.708,0.046], g[0.755,0.019]
1/1 [=====] - 0s 86ms/step
>12269, dr[0.644,0.336], df[0.743,0.027], g[0.787,0.028]
1/1 [=====] - 0s 97ms/step
>12270, dr[0.701,0.224], df[0.771,0.013], g[0.770,0.029]
1/1 [=====] - 0s 89ms/step
>12271, dr[0.707,0.514], df[0.686,0.023], g[0.779,0.021]
1/1 [=====] - 0s 87ms/step
>12272, dr[0.685,0.790], df[0.739,0.034], g[0.755,0.023]
1/1 [=====] - 0s 91ms/step
>12273, dr[0.603,0.517], df[0.662,0.037], g[0.860,0.051]
1/1 [=====] - 0s 89ms/step
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>12274, dr[0.709,0.565], df[0.665,0.014], g[0.817,0.031]
1/1 [=====] - 0s 87ms/step
>12275, dr[0.622,0.285], df[0.665,0.026], g[0.832,0.022]
1/1 [=====] - 0s 91ms/step
>12276, dr[0.630,0.526], df[0.709,0.032], g[0.795,0.029]
1/1 [=====] - 0s 99ms/step
>12277, dr[0.604,0.249], df[0.634,0.019], g[0.816,0.024]
1/1 [=====] - 0s 86ms/step
>12278, dr[0.607,0.538], df[0.628,0.030], g[0.818,0.020]
1/1 [=====] - 0s 87ms/step
>12279, dr[0.631,0.537], df[0.683,0.065], g[0.782,0.017]
1/1 [=====] - 0s 96ms/step
>12280, dr[0.722,0.762], df[0.699,0.041], g[0.776,0.018]
1/1 [=====] - 0s 88ms/step
>12281, dr[0.646,0.478], df[0.757,0.069], g[0.752,0.049]
1/1 [=====] - 0s 86ms/step
>12282, dr[0.739,0.539], df[0.709,0.019], g[0.752,0.029]
1/1 [=====] - 0s 87ms/step
>12283, dr[0.730,0.170], df[0.764,0.014], g[0.850,0.021]
1/1 [=====] - 0s 97ms/step
>12284, dr[0.699,0.377], df[0.679,0.031], g[0.819,0.022]
1/1 [=====] - 0s 91ms/step
>12285, dr[0.676,0.375], df[0.709,0.009], g[0.800,0.026]
1/1 [=====] - 0s 89ms/step
>12286, dr[0.665,0.335], df[0.625,0.045], g[0.764,0.048]
1/1 [=====] - 0s 102ms/step
>12287, dr[0.619,0.362], df[0.722,0.075], g[0.760,0.020]
1/1 [=====] - 0s 90ms/step
>12288, dr[0.676,0.713], df[0.663,0.020], g[0.842,0.024]
1/1 [=====] - 0s 86ms/step
>12289, dr[0.691,0.566], df[0.764,0.070], g[0.788,0.021]
1/1 [=====] - 0s 88ms/step
>12290, dr[0.646,0.616], df[0.685,0.023], g[0.785,0.034]
1/1 [=====] - 0s 89ms/step
>12291, dr[0.737,0.412], df[0.695,0.038], g[0.778,0.031]
1/1 [=====] - 0s 89ms/step
>12292, dr[0.682,0.603], df[0.696,0.012], g[0.813,0.106]
1/1 [=====] - 0s 92ms/step
>12293, dr[0.702,0.625], df[0.612,0.035], g[0.867,0.028]
1/1 [=====] - 0s 98ms/step
>12294, dr[0.682,0.369], df[0.607,0.030], g[0.847,0.034]
1/1 [=====] - 0s 89ms/step
>12295, dr[0.704,0.527], df[0.750,0.030], g[0.816,0.037]
1/1 [=====] - 0s 87ms/step
>12296, dr[0.702,0.491], df[0.722,0.048], g[0.785,0.026]
1/1 [=====] - 0s 95ms/step
>12297, dr[0.692,0.331], df[0.672,0.018], g[0.823,0.017]
1/1 [=====] - 0s 88ms/step
>12298, dr[0.686,0.415], df[0.698,0.036], g[0.769,0.027]
1/1 [=====] - 0s 89ms/step
>12299, dr[0.690,0.392], df[0.677,0.020], g[0.762,0.028]
1/1 [=====] - 0s 88ms/step
>12300, dr[0.642,0.467], df[0.765,0.016], g[0.790,0.022]
1/1 [=====] - 0s 91ms/step
>12301, dr[0.713,0.672], df[0.676,0.040], g[0.768,0.033]
1/1 [=====] - 0s 87ms/step
>12302, dr[0.718,0.598], df[0.664,0.012], g[0.743,0.037]
1/1 [=====] - 0s 89ms/step
>12303, dr[0.708,0.406], df[0.681,0.036], g[0.808,0.017]
1/1 [=====] - 0s 97ms/step
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>12304, dr[0.646,0.414], df[0.687,0.041], g[0.743,0.026]
1/1 [=====] - 0s 90ms/step
>12305, dr[0.665,0.387], df[0.681,0.019], g[0.732,0.031]
1/1 [=====] - 0s 86ms/step
>12306, dr[0.586,0.567], df[0.732,0.019], g[0.742,0.036]
1/1 [=====] - 0s 94ms/step
>12307, dr[0.662,0.484], df[0.687,0.046], g[0.749,0.034]
1/1 [=====] - 0s 86ms/step
>12308, dr[0.705,0.482], df[0.777,0.023], g[0.794,0.018]
1/1 [=====] - 0s 88ms/step
>12309, dr[0.775,0.379], df[0.758,0.057], g[0.801,0.019]
1/1 [=====] - 0s 102ms/step
>12310, dr[0.707,0.537], df[0.724,0.016], g[0.779,0.019]
1/1 [=====] - 0s 118ms/step
>12311, dr[0.656,0.334], df[0.589,0.020], g[0.750,0.024]
1/1 [=====] - 0s 113ms/step
>12312, dr[0.646,0.494], df[0.691,0.038], g[0.794,0.024]
1/1 [=====] - 0s 109ms/step
>12313, dr[0.689,0.529], df[0.699,0.019], g[0.747,0.022]
1/1 [=====] - 0s 110ms/step
>12314, dr[0.691,0.462], df[0.667,0.050], g[0.818,0.041]
1/1 [=====] - 0s 88ms/step
>12315, dr[0.681,0.769], df[0.788,0.026], g[0.740,0.024]
1/1 [=====] - 0s 100ms/step
>12316, dr[0.682,0.240], df[0.664,0.036], g[0.742,0.022]
1/1 [=====] - 0s 90ms/step
>12317, dr[0.673,0.432], df[0.780,0.023], g[0.808,0.026]
1/1 [=====] - 0s 91ms/step
>12318, dr[0.588,0.371], df[0.730,0.037], g[0.798,0.026]
1/1 [=====] - 0s 103ms/step
>12319, dr[0.758,0.517], df[0.721,0.069], g[0.783,0.019]
1/1 [=====] - 0s 102ms/step
>12320, dr[0.738,0.756], df[0.697,0.026], g[0.764,0.035]
1/1 [=====] - 0s 89ms/step
>12321, dr[0.716,0.389], df[0.720,0.027], g[0.810,0.027]
1/1 [=====] - 0s 89ms/step
>12322, dr[0.658,0.385], df[0.786,0.020], g[0.780,0.028]
1/1 [=====] - 0s 90ms/step
>12323, dr[0.650,0.253], df[0.704,0.028], g[0.846,0.018]
1/1 [=====] - 0s 95ms/step
>12324, dr[0.731,0.516], df[0.745,0.090], g[0.807,0.055]
1/1 [=====] - 0s 89ms/step
>12325, dr[0.623,0.597], df[0.654,0.014], g[0.772,0.032]
1/1 [=====] - 0s 93ms/step
>12326, dr[0.687,0.736], df[0.689,0.034], g[0.788,0.026]
1/1 [=====] - 0s 89ms/step
>12327, dr[0.673,0.380], df[0.696,0.025], g[0.761,0.043]
1/1 [=====] - 0s 98ms/step
>12328, dr[0.693,0.473], df[0.747,0.038], g[0.778,0.035]
1/1 [=====] - 0s 92ms/step
>12329, dr[0.701,0.366], df[0.683,0.060], g[0.781,0.046]
1/1 [=====] - 0s 89ms/step
>12330, dr[0.721,0.661], df[0.709,0.019], g[0.856,0.025]
1/1 [=====] - 0s 116ms/step
>12331, dr[0.673,0.390], df[0.808,0.034], g[0.821,0.027]
1/1 [=====] - 0s 88ms/step
>12332, dr[0.674,0.240], df[0.719,0.037], g[0.804,0.035]
1/1 [=====] - 0s 97ms/step
>12333, dr[0.721,0.788], df[0.679,0.023], g[0.783,0.029]
1/1 [=====] - 0s 89ms/step
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>12334, dr[0.661,0.699], df[0.711,0.036], g[0.765,0.033]
1/1 [=====] - 0s 100ms/step
>12335, dr[0.754,0.506], df[0.696,0.017], g[0.833,0.033]
1/1 [=====] - 0s 90ms/step
>12336, dr[0.671,0.647], df[0.723,0.030], g[0.755,0.046]
1/1 [=====] - 0s 92ms/step
>12337, dr[0.687,0.421], df[0.715,0.052], g[0.794,0.043]
1/1 [=====] - 0s 94ms/step
>12338, dr[0.647,0.425], df[0.643,0.033], g[0.865,0.068]
1/1 [=====] - 0s 91ms/step
>12339, dr[0.716,0.679], df[0.665,0.048], g[0.769,0.035]
1/1 [=====] - 0s 96ms/step
>12340, dr[0.714,0.347], df[0.753,0.052], g[0.771,0.025]
1/1 [=====] - 0s 86ms/step
>12341, dr[0.632,0.282], df[0.773,0.029], g[0.746,0.034]
1/1 [=====] - 0s 95ms/step
>12342, dr[0.653,0.409], df[0.677,0.017], g[0.852,0.036]
1/1 [=====] - 0s 96ms/step
>12343, dr[0.596,0.565], df[0.620,0.019], g[0.787,0.034]
1/1 [=====] - 0s 86ms/step
>12344, dr[0.689,0.271], df[0.863,0.045], g[0.800,0.029]
1/1 [=====] - 0s 108ms/step
>12345, dr[0.713,0.335], df[0.694,0.047], g[0.856,0.042]
1/1 [=====] - 0s 88ms/step
>12346, dr[0.676,0.443], df[0.614,0.022], g[0.774,0.018]
1/1 [=====] - 0s 86ms/step
>12347, dr[0.780,0.690], df[0.698,0.017], g[0.828,0.046]
1/1 [=====] - 0s 105ms/step
>12348, dr[0.796,0.433], df[0.610,0.013], g[0.806,0.019]
1/1 [=====] - 0s 96ms/step
>12349, dr[0.574,0.689], df[0.664,0.023], g[0.757,0.022]
1/1 [=====] - 0s 89ms/step
>12350, dr[0.768,0.410], df[0.765,0.020], g[0.789,0.041]
1/1 [=====] - 0s 86ms/step
>12351, dr[0.742,0.595], df[0.750,0.040], g[0.746,0.035]
1/1 [=====] - 0s 97ms/step
>12352, dr[0.625,0.373], df[0.612,0.021], g[0.721,0.022]
1/1 [=====] - 0s 88ms/step
>12353, dr[0.675,0.323], df[0.684,0.033], g[0.785,0.024]
1/1 [=====] - 0s 89ms/step
>12354, dr[0.693,0.695], df[0.765,0.036], g[0.794,0.036]
1/1 [=====] - 0s 110ms/step
>12355, dr[0.707,0.291], df[0.742,0.045], g[0.765,0.030]
1/1 [=====] - 0s 98ms/step
>12356, dr[0.688,0.547], df[0.717,0.017], g[0.789,0.025]
1/1 [=====] - 0s 92ms/step
>12357, dr[0.702,0.361], df[0.685,0.019], g[0.764,0.025]
1/1 [=====] - 0s 87ms/step
>12358, dr[0.573,0.409], df[0.676,0.017], g[0.832,0.026]
1/1 [=====] - 0s 92ms/step
>12359, dr[0.644,0.765], df[0.746,0.036], g[0.755,0.021]
1/1 [=====] - 0s 89ms/step
>12360, dr[0.727,0.541], df[0.681,0.015], g[0.804,0.018]
1/1 [=====] - 0s 108ms/step
>12361, dr[0.698,0.316], df[0.713,0.024], g[0.824,0.016]
1/1 [=====] - 0s 110ms/step
>12362, dr[0.725,0.353], df[0.675,0.035], g[0.834,0.022]
1/1 [=====] - 0s 118ms/step
>12363, dr[0.697,1.000], df[0.705,0.027], g[0.772,0.019]
1/1 [=====] - 0s 106ms/step
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>12364, dr[0.754,0.479], df[0.723,0.048], g[0.813,0.034]
1/1 [=====] - 0s 88ms/step
>12365, dr[0.695,0.379], df[0.818,0.031], g[0.778,0.031]
1/1 [=====] - 0s 109ms/step
>12366, dr[0.679,0.609], df[0.688,0.022], g[0.750,0.030]
1/1 [=====] - 0s 98ms/step
>12367, dr[0.710,0.178], df[0.714,0.027], g[0.761,0.016]
1/1 [=====] - 0s 107ms/step
>12368, dr[0.758,0.425], df[0.743,0.021], g[0.759,0.034]
1/1 [=====] - 0s 107ms/step
>12369, dr[0.681,0.466], df[0.841,0.023], g[0.764,0.022]
1/1 [=====] - 0s 90ms/step
>12370, dr[0.616,0.254], df[0.690,0.046], g[0.844,0.022]
1/1 [=====] - 0s 117ms/step
>12371, dr[0.658,0.274], df[0.711,0.014], g[0.824,0.020]
1/1 [=====] - 0s 121ms/step
>12372, dr[0.735,0.324], df[0.688,0.035], g[0.870,0.014]
1/1 [=====] - 0s 107ms/step
>12373, dr[0.719,0.850], df[0.638,0.014], g[0.828,0.014]
1/1 [=====] - 0s 100ms/step
>12374, dr[0.755,0.268], df[0.686,0.015], g[0.758,0.015]
1/1 [=====] - 0s 89ms/step
>12375, dr[0.694,0.505], df[0.794,0.033], g[0.824,0.047]
1/1 [=====] - 0s 91ms/step
>12376, dr[0.746,0.552], df[0.737,0.087], g[0.778,0.049]
1/1 [=====] - 0s 98ms/step
>12377, dr[0.707,0.398], df[0.756,0.046], g[0.797,0.020]
1/1 [=====] - 0s 87ms/step
>12378, dr[0.707,0.411], df[0.683,0.031], g[0.842,0.026]
1/1 [=====] - 0s 87ms/step
>12379, dr[0.701,0.428], df[0.650,0.030], g[0.837,0.056]
1/1 [=====] - 0s 89ms/step
>12380, dr[0.757,0.190], df[0.693,0.031], g[0.756,0.029]
1/1 [=====] - 0s 102ms/step
>12381, dr[0.663,0.615], df[0.698,0.027], g[0.778,0.029]
1/1 [=====] - 0s 88ms/step
>12382, dr[0.647,0.338], df[0.672,0.021], g[0.827,0.030]
1/1 [=====] - 0s 116ms/step
>12383, dr[0.673,1.071], df[0.658,0.019], g[0.819,0.017]
1/1 [=====] - 0s 90ms/step
>12384, dr[0.665,0.392], df[0.713,0.040], g[0.802,0.024]
1/1 [=====] - 0s 88ms/step
>12385, dr[0.590,0.520], df[0.747,0.037], g[0.837,0.031]
1/1 [=====] - 0s 94ms/step
>12386, dr[0.660,0.375], df[0.653,0.039], g[0.776,0.054]
1/1 [=====] - 0s 87ms/step
>12387, dr[0.655,0.570], df[0.703,0.013], g[0.812,0.023]
1/1 [=====] - 0s 93ms/step
>12388, dr[0.830,0.344], df[0.767,0.015], g[0.730,0.027]
1/1 [=====] - 0s 96ms/step
>12389, dr[0.689,0.733], df[0.650,0.022], g[0.776,0.028]
1/1 [=====] - 0s 90ms/step
>12390, dr[0.661,0.759], df[0.713,0.039], g[0.741,0.033]
1/1 [=====] - 0s 89ms/step
>12391, dr[0.665,0.199], df[0.692,0.016], g[0.751,0.029]
1/1 [=====] - 0s 88ms/step
>12392, dr[0.636,0.471], df[0.673,0.049], g[0.770,0.022]
1/1 [=====] - 0s 90ms/step
>12393, dr[0.731,0.465], df[0.763,0.019], g[0.792,0.035]
1/1 [=====] - 0s 97ms/step
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>12394, dr[0.625,0.487], df[0.734,0.026], g[0.816,0.022]
1/1 [=====] - 0s 96ms/step
>12395, dr[0.673,0.465], df[0.683,0.012], g[0.842,0.030]
1/1 [=====] - 0s 102ms/step
>12396, dr[0.725,0.561], df[0.623,0.040], g[0.815,0.024]
1/1 [=====] - 0s 87ms/step
>12397, dr[0.618,0.584], df[0.746,0.023], g[0.829,0.016]
1/1 [=====] - 0s 87ms/step
>12398, dr[0.702,0.474], df[0.699,0.019], g[0.836,0.018]
1/1 [=====] - 0s 104ms/step
>12399, dr[0.688,0.433], df[0.641,0.019], g[0.803,0.021]
1/1 [=====] - 0s 93ms/step
>12400, dr[0.732,0.134], df[0.798,0.026], g[0.837,0.036]
1/1 [=====] - 0s 87ms/step
>12401, dr[0.706,0.339], df[0.771,0.017], g[0.768,0.032]
1/1 [=====] - 0s 96ms/step
>12402, dr[0.659,0.502], df[0.653,0.022], g[0.777,0.024]
1/1 [=====] - 0s 90ms/step
>12403, dr[0.708,0.272], df[0.715,0.017], g[0.737,0.074]
1/1 [=====] - 0s 85ms/step
>12404, dr[0.721,0.358], df[0.682,0.023], g[0.769,0.029]
1/1 [=====] - 0s 85ms/step
>12405, dr[0.703,0.595], df[0.686,0.030], g[0.761,0.020]
1/1 [=====] - 0s 87ms/step
>12406, dr[0.773,0.250], df[0.706,0.026], g[0.730,0.023]
1/1 [=====] - 0s 96ms/step
>12407, dr[0.704,0.462], df[0.799,0.037], g[0.748,0.027]
1/1 [=====] - 0s 94ms/step
>12408, dr[0.674,0.361], df[0.692,0.036], g[0.718,0.037]
1/1 [=====] - 0s 94ms/step
>12409, dr[0.723,0.447], df[0.733,0.057], g[0.817,0.039]
1/1 [=====] - 0s 91ms/step
>12410, dr[0.672,0.538], df[0.745,0.026], g[0.793,0.029]
1/1 [=====] - 0s 91ms/step
>12411, dr[0.688,0.510], df[0.792,0.023], g[0.840,0.056]
1/1 [=====] - 0s 88ms/step
>12412, dr[0.688,0.315], df[0.682,0.018], g[0.800,0.028]
1/1 [=====] - 0s 90ms/step
>12413, dr[0.691,0.372], df[0.749,0.020], g[0.746,0.026]
1/1 [=====] - 0s 96ms/step
>12414, dr[0.683,0.569], df[0.723,0.040], g[0.835,0.024]
1/1 [=====] - 0s 89ms/step
>12415, dr[0.729,0.563], df[0.665,0.041], g[0.739,0.034]
1/1 [=====] - 0s 87ms/step
>12416, dr[0.696,0.381], df[0.722,0.014], g[0.785,0.015]
1/1 [=====] - 0s 113ms/step
>12417, dr[0.679,0.400], df[0.763,0.029], g[0.754,0.020]
1/1 [=====] - 0s 88ms/step
>12418, dr[0.729,0.598], df[0.730,0.020], g[0.772,0.022]
1/1 [=====] - 0s 91ms/step
>12419, dr[0.682,0.600], df[0.673,0.038], g[0.795,0.028]
1/1 [=====] - 0s 97ms/step
>12420, dr[0.649,0.235], df[0.685,0.022], g[0.829,0.037]
1/1 [=====] - 0s 87ms/step
>12421, dr[0.686,0.228], df[0.717,0.026], g[0.765,0.020]
1/1 [=====] - 0s 90ms/step
>12422, dr[0.677,0.693], df[0.740,0.041], g[0.853,0.033]
1/1 [=====] - 0s 94ms/step
>12423, dr[0.766,0.737], df[0.751,0.035], g[0.804,0.032]
1/1 [=====] - 0s 96ms/step
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>12424, dr[0.586,0.404], df[0.683,0.025], g[0.819,0.028]
1/1 [=====] - 0s 90ms/step
>12425, dr[0.745,0.788], df[0.743,0.023], g[0.801,0.057]
1/1 [=====] - 0s 91ms/step
>12426, dr[0.661,0.954], df[0.740,0.031], g[0.821,0.026]
1/1 [=====] - 0s 99ms/step
>12427, dr[0.784,0.388], df[0.721,0.021], g[0.783,0.020]
1/1 [=====] - 0s 87ms/step
>12428, dr[0.681,0.277], df[0.752,0.038], g[0.836,0.032]
1/1 [=====] - 0s 93ms/step
>12429, dr[0.699,0.494], df[0.708,0.024], g[0.866,0.015]
1/1 [=====] - 0s 97ms/step
>12430, dr[0.692,0.621], df[0.687,0.025], g[0.791,0.023]
1/1 [=====] - 0s 94ms/step
>12431, dr[0.777,0.712], df[0.688,0.021], g[0.892,0.021]
1/1 [=====] - 0s 85ms/step
>12432, dr[0.720,0.338], df[0.752,0.017], g[0.707,0.021]
1/1 [=====] - 0s 84ms/step
>12433, dr[0.697,0.581], df[0.673,0.028], g[0.811,0.034]
1/1 [=====] - 0s 95ms/step
>12434, dr[0.655,0.202], df[0.701,0.035], g[0.803,0.020]
1/1 [=====] - 0s 87ms/step
>12435, dr[0.609,1.105], df[0.798,0.048], g[0.807,0.034]
1/1 [=====] - 0s 87ms/step
>12436, dr[0.686,0.370], df[0.711,0.028], g[0.817,0.040]
1/1 [=====] - 0s 93ms/step
>12437, dr[0.710,0.492], df[0.736,0.021], g[0.787,0.030]
1/1 [=====] - 0s 93ms/step
>12438, dr[0.712,0.443], df[0.655,0.018], g[0.786,0.033]
1/1 [=====] - 0s 105ms/step
>12439, dr[0.672,0.365], df[0.719,0.040], g[0.858,0.017]
1/1 [=====] - 0s 86ms/step
>12440, dr[0.717,0.579], df[0.707,0.035], g[0.767,0.023]
1/1 [=====] - 0s 91ms/step
>12441, dr[0.728,0.456], df[0.655,0.018], g[0.812,0.022]
1/1 [=====] - 0s 87ms/step
>12442, dr[0.695,0.739], df[0.719,0.016], g[0.806,0.025]
1/1 [=====] - 0s 87ms/step
>12443, dr[0.721,0.260], df[0.713,0.019], g[0.834,0.018]
1/1 [=====] - 0s 101ms/step
>12444, dr[0.687,0.529], df[0.713,0.030], g[0.800,0.016]
1/1 [=====] - 0s 85ms/step
>12445, dr[0.691,0.465], df[0.684,0.016], g[0.885,0.020]
1/1 [=====] - 0s 86ms/step
>12446, dr[0.826,0.882], df[0.709,0.029], g[0.828,0.023]
1/1 [=====] - 0s 89ms/step
>12447, dr[0.724,0.463], df[0.690,0.029], g[0.763,0.044]
1/1 [=====] - 0s 89ms/step
>12448, dr[0.640,0.169], df[0.691,0.015], g[0.763,0.032]
1/1 [=====] - 0s 89ms/step
>12449, dr[0.761,0.306], df[0.694,0.066], g[0.787,0.039]
1/1 [=====] - 0s 86ms/step
>12450, dr[0.627,0.300], df[0.746,0.027], g[0.817,0.026]
1/1 [=====] - 0s 95ms/step
>12451, dr[0.678,0.748], df[0.668,0.012], g[0.866,0.032]
1/1 [=====] - 0s 89ms/step
>12452, dr[0.619,0.863], df[0.765,0.048], g[0.740,0.019]
1/1 [=====] - 0s 87ms/step
>12453, dr[0.678,0.415], df[0.756,0.022], g[0.881,0.041]
1/1 [=====] - 0s 106ms/step
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>12454, dr[0.712,0.539], df[0.693,0.029], g[0.855,0.029]
1/1 [=====] - 0s 100ms/step
>12455, dr[0.783,0.540], df[0.741,0.041], g[0.774,0.033]
1/1 [=====] - 0s 93ms/step
>12456, dr[0.720,0.414], df[0.654,0.015], g[0.799,0.023]
1/1 [=====] - 0s 87ms/step
>12457, dr[0.690,0.377], df[0.660,0.018], g[0.873,0.014]
1/1 [=====] - 0s 103ms/step
>12458, dr[0.719,1.167], df[0.728,0.030], g[0.773,0.025]
1/1 [=====] - 0s 117ms/step
>12459, dr[0.617,0.438], df[0.685,0.031], g[0.756,0.035]
1/1 [=====] - 0s 96ms/step
>12460, dr[0.678,0.494], df[0.821,0.038], g[0.852,0.030]
1/1 [=====] - 0s 85ms/step
>12461, dr[0.757,0.729], df[0.642,0.014], g[0.804,0.045]
1/1 [=====] - 0s 90ms/step
>12462, dr[0.631,0.568], df[0.763,0.102], g[0.830,0.024]
1/1 [=====] - 0s 93ms/step
>12463, dr[0.668,0.550], df[0.635,0.014], g[0.839,0.029]
1/1 [=====] - 0s 89ms/step
>12464, dr[0.697,0.473], df[0.728,0.017], g[0.793,0.025]
1/1 [=====] - 0s 102ms/step
>12465, dr[0.664,0.400], df[0.744,0.041], g[0.788,0.032]
1/1 [=====] - 0s 105ms/step
>12466, dr[0.712,0.752], df[0.667,0.022], g[0.765,0.043]
1/1 [=====] - 0s 90ms/step
>12467, dr[0.777,0.174], df[0.747,0.020], g[0.870,0.037]
1/1 [=====] - 0s 87ms/step
>12468, dr[0.661,0.284], df[0.703,0.028], g[0.778,0.037]
1/1 [=====] - 0s 90ms/step
>12469, dr[0.666,0.516], df[0.664,0.031], g[0.853,0.031]
1/1 [=====] - 0s 95ms/step
>12470, dr[0.661,0.457], df[0.711,0.016], g[0.747,0.017]
1/1 [=====] - 0s 88ms/step
>12471, dr[0.726,0.439], df[0.691,0.021], g[0.769,0.015]
1/1 [=====] - 0s 95ms/step
>12472, dr[0.718,0.391], df[0.660,0.013], g[0.792,0.020]
1/1 [=====] - 0s 99ms/step
>12473, dr[0.668,0.329], df[0.667,0.020], g[0.806,0.020]
1/1 [=====] - 0s 97ms/step
>12474, dr[0.774,0.575], df[0.738,0.018], g[0.726,0.023]
1/1 [=====] - 0s 88ms/step
>12475, dr[0.718,0.405], df[0.675,0.014], g[0.753,0.022]
1/1 [=====] - 0s 99ms/step
>12476, dr[0.692,0.778], df[0.687,0.016], g[0.736,0.013]
1/1 [=====] - 0s 90ms/step
>12477, dr[0.641,0.983], df[0.673,0.021], g[0.820,0.026]
1/1 [=====] - 0s 92ms/step
>12478, dr[0.731,0.750], df[0.878,0.016], g[0.774,0.026]
1/1 [=====] - 0s 91ms/step
>12479, dr[0.660,0.459], df[0.680,0.025], g[0.771,0.014]
1/1 [=====] - 0s 92ms/step
>12480, dr[0.635,0.533], df[0.759,0.020], g[0.750,0.045]
1/1 [=====] - 0s 98ms/step
>12481, dr[0.692,0.620], df[0.761,0.011], g[0.843,0.021]
1/1 [=====] - 0s 88ms/step
>12482, dr[0.662,0.554], df[0.690,0.022], g[0.829,0.042]
1/1 [=====] - 0s 87ms/step
>12483, dr[0.636,0.511], df[0.782,0.027], g[0.798,0.024]
1/1 [=====] - 0s 90ms/step
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>12484, dr[0.720,0.170], df[0.738,0.028], g[0.819,0.073]
1/1 [=====] - 0s 87ms/step
>12485, dr[0.703,0.413], df[0.684,0.021], g[0.866,0.022]
1/1 [=====] - 0s 87ms/step
>12486, dr[0.637,0.202], df[0.689,0.026], g[0.834,0.022]
1/1 [=====] - 0s 88ms/step
>12487, dr[0.757,0.350], df[0.680,0.019], g[0.859,0.029]
1/1 [=====] - 0s 92ms/step
>12488, dr[0.635,0.272], df[0.719,0.022], g[0.845,0.019]
1/1 [=====] - 0s 88ms/step
>12489, dr[0.701,0.546], df[0.695,0.046], g[0.851,0.028]
1/1 [=====] - 0s 106ms/step
>12490, dr[0.671,0.484], df[0.684,0.032], g[0.825,0.036]
1/1 [=====] - 0s 101ms/step
>12491, dr[0.737,0.493], df[0.749,0.041], g[0.787,0.035]
1/1 [=====] - 0s 86ms/step
>12492, dr[0.760,0.310], df[0.706,0.081], g[0.838,0.017]
1/1 [=====] - 0s 89ms/step
>12493, dr[0.668,0.599], df[0.699,0.022], g[0.769,0.019]
1/1 [=====] - 0s 96ms/step
>12494, dr[0.672,0.349], df[0.663,0.009], g[0.798,0.020]
1/1 [=====] - 0s 87ms/step
>12495, dr[0.657,0.587], df[0.681,0.015], g[0.835,0.019]
1/1 [=====] - 0s 89ms/step
>12496, dr[0.826,0.251], df[0.723,0.013], g[0.806,0.047]
1/1 [=====] - 0s 88ms/step
>12497, dr[0.666,0.786], df[0.682,0.043], g[0.820,0.014]
1/1 [=====] - 0s 95ms/step
>12498, dr[0.697,0.195], df[0.728,0.019], g[0.795,0.028]
1/1 [=====] - 0s 87ms/step
>12499, dr[0.698,0.251], df[0.678,0.020], g[0.776,0.031]
1/1 [=====] - 0s 87ms/step
>12500, dr[0.714,0.392], df[0.704,0.017], g[0.781,0.021]
1/1 [=====] - 0s 93ms/step
>12501, dr[0.754,0.509], df[0.648,0.022], g[0.820,0.029]
1/1 [=====] - 0s 88ms/step
>12502, dr[0.680,0.881], df[0.740,0.015], g[0.813,0.029]
1/1 [=====] - 0s 93ms/step
>12503, dr[0.640,0.404], df[0.725,0.018], g[0.744,0.033]
1/1 [=====] - 0s 376ms/step
>12504, dr[0.675,0.336], df[0.608,0.017], g[0.775,0.018]
1/1 [=====] - 0s 99ms/step
>12505, dr[0.683,0.443], df[0.821,0.034], g[0.817,0.033]
1/1 [=====] - 0s 126ms/step
>12506, dr[0.650,0.698], df[0.654,0.025], g[0.828,0.021]
1/1 [=====] - 0s 94ms/step
>12507, dr[0.598,0.308], df[0.727,0.035], g[0.827,0.026]
1/1 [=====] - 0s 107ms/step
>12508, dr[0.651,0.492], df[0.594,0.034], g[0.856,0.044]
1/1 [=====] - 0s 106ms/step
>12509, dr[0.757,0.577], df[0.770,0.023], g[0.786,0.025]
1/1 [=====] - 0s 95ms/step
>12510, dr[0.661,0.287], df[0.657,0.020], g[0.838,0.026]
1/1 [=====] - 0s 119ms/step
>12511, dr[0.702,0.477], df[0.717,0.034], g[0.780,0.033]
1/1 [=====] - 0s 93ms/step
>12512, dr[0.691,0.503], df[0.715,0.027], g[0.820,0.025]
1/1 [=====] - 0s 114ms/step
>12513, dr[0.761,0.518], df[0.727,0.022], g[0.750,0.034]
1/1 [=====] - 0s 91ms/step
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>12514, dr[0.655,0.184], df[0.633,0.030], g[0.736,0.025]
1/1 [=====] - 0s 92ms/step
>12515, dr[0.669,0.547], df[0.676,0.028], g[0.813,0.039]
1/1 [=====] - 0s 100ms/step
>12516, dr[0.677,0.409], df[0.680,0.021], g[0.748,0.014]
1/1 [=====] - 0s 95ms/step
>12517, dr[0.722,0.614], df[0.671,0.041], g[0.733,0.027]
1/1 [=====] - 0s 90ms/step
>12518, dr[0.662,0.328], df[0.716,0.017], g[0.756,0.025]
1/1 [=====] - 0s 91ms/step
>12519, dr[0.749,0.274], df[0.778,0.013], g[0.712,0.029]
1/1 [=====] - 0s 97ms/step
>12520, dr[0.699,0.823], df[0.681,0.060], g[0.774,0.026]
1/1 [=====] - 0s 86ms/step
>12521, dr[0.657,0.364], df[0.746,0.034], g[0.825,0.031]
1/1 [=====] - 0s 91ms/step
>12522, dr[0.671,0.677], df[0.724,0.031], g[0.814,0.020]
1/1 [=====] - 0s 107ms/step
>12523, dr[0.726,0.485], df[0.792,0.031], g[0.755,0.012]
1/1 [=====] - 0s 91ms/step
>12524, dr[0.686,0.244], df[0.718,0.010], g[0.765,0.026]
1/1 [=====] - 0s 100ms/step
>12525, dr[0.646,0.304], df[0.862,0.023], g[0.769,0.022]
1/1 [=====] - 0s 101ms/step
>12526, dr[0.624,0.323], df[0.672,0.019], g[0.865,0.016]
1/1 [=====] - 0s 92ms/step
>12527, dr[0.692,0.875], df[0.709,0.023], g[0.824,0.037]
1/1 [=====] - 0s 90ms/step
>12528, dr[0.687,0.779], df[0.634,0.017], g[0.899,0.030]
1/1 [=====] - 0s 95ms/step
>12529, dr[0.600,0.771], df[0.731,0.038], g[0.858,0.022]
1/1 [=====] - 0s 99ms/step
>12530, dr[0.694,0.411], df[0.632,0.043], g[0.787,0.020]
1/1 [=====] - 0s 88ms/step
>12531, dr[0.629,0.111], df[0.723,0.035], g[0.804,0.029]
1/1 [=====] - 0s 95ms/step
>12532, dr[0.718,0.760], df[0.647,0.024], g[0.787,0.023]
1/1 [=====] - 0s 94ms/step
>12533, dr[0.819,0.465], df[0.679,0.047], g[0.740,0.036]
1/1 [=====] - 0s 92ms/step
>12534, dr[0.736,0.673], df[0.648,0.036], g[0.731,0.049]
1/1 [=====] - 0s 92ms/step
>12535, dr[0.657,0.274], df[0.680,0.036], g[0.737,0.022]
1/1 [=====] - 0s 91ms/step
>12536, dr[0.620,0.375], df[0.703,0.051], g[0.759,0.017]
1/1 [=====] - 0s 92ms/step
>12537, dr[0.752,0.782], df[0.703,0.037], g[0.760,0.028]
1/1 [=====] - 0s 91ms/step
>12538, dr[0.679,0.332], df[0.746,0.025], g[0.825,0.032]
1/1 [=====] - 0s 88ms/step
>12539, dr[0.708,0.681], df[0.678,0.008], g[0.780,0.027]
1/1 [=====] - 0s 110ms/step
>12540, dr[0.649,0.363], df[0.804,0.024], g[0.822,0.034]
1/1 [=====] - 0s 98ms/step
>12541, dr[0.679,0.299], df[0.702,0.032], g[0.848,0.045]
1/1 [=====] - 0s 117ms/step
>12542, dr[0.805,0.732], df[0.718,0.012], g[0.804,0.044]
1/1 [=====] - 0s 114ms/step
>12543, dr[0.744,0.404], df[0.694,0.030], g[0.834,0.025]
1/1 [=====] - 0s 114ms/step
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>12544, dr[0.738,0.320], df[0.783,0.036], g[0.755,0.043]
1/1 [=====] - 0s 122ms/step
>12545, dr[0.726,0.402], df[0.671,0.063], g[0.804,0.017]
1/1 [=====] - 0s 120ms/step
>12546, dr[0.707,0.359], df[0.744,0.019], g[0.832,0.030]
1/1 [=====] - 0s 116ms/step
>12547, dr[0.661,0.744], df[0.786,0.048], g[0.832,0.027]
1/1 [=====] - 0s 107ms/step
>12548, dr[0.702,0.659], df[0.664,0.011], g[0.897,0.019]
1/1 [=====] - 0s 121ms/step
>12549, dr[0.760,0.460], df[0.758,0.016], g[0.818,0.017]
1/1 [=====] - 0s 94ms/step
>12550, dr[0.624,0.487], df[0.653,0.019], g[0.762,0.025]
1/1 [=====] - 0s 102ms/step
>12551, dr[0.695,0.619], df[0.660,0.027], g[0.786,0.026]
1/1 [=====] - 0s 92ms/step
>12552, dr[0.673,0.434], df[0.765,0.016], g[0.766,0.019]
1/1 [=====] - 0s 87ms/step
>12553, dr[0.656,0.372], df[0.739,0.026], g[0.755,0.020]
1/1 [=====] - 0s 118ms/step
>12554, dr[0.746,0.716], df[0.704,0.031], g[0.778,0.036]
1/1 [=====] - 0s 107ms/step
>12555, dr[0.752,0.466], df[0.765,0.033], g[0.790,0.031]
1/1 [=====] - 0s 99ms/step
>12556, dr[0.692,0.581], df[0.741,0.018], g[0.792,0.044]
1/1 [=====] - 0s 108ms/step
>12557, dr[0.762,0.786], df[0.678,0.031], g[0.748,0.024]
1/1 [=====] - 0s 111ms/step
>12558, dr[0.755,0.512], df[0.749,0.017], g[0.749,0.021]
1/1 [=====] - 0s 106ms/step
>12559, dr[0.643,0.361], df[0.785,0.025], g[0.827,0.027]
1/1 [=====] - 0s 96ms/step
>12560, dr[0.631,0.283], df[0.644,0.020], g[0.806,0.031]
1/1 [=====] - 0s 89ms/step
>12561, dr[0.671,0.525], df[0.708,0.030], g[0.814,0.031]
1/1 [=====] - 0s 98ms/step
>12562, dr[0.694,0.318], df[0.748,0.021], g[0.771,0.023]
1/1 [=====] - 0s 99ms/step
>12563, dr[0.744,0.398], df[0.734,0.033], g[0.733,0.014]
1/1 [=====] - 0s 94ms/step
>12564, dr[0.796,0.538], df[0.665,0.039], g[0.749,0.028]
1/1 [=====] - 0s 100ms/step
>12565, dr[0.688,0.258], df[0.767,0.015], g[0.740,0.019]
1/1 [=====] - 0s 102ms/step
>12566, dr[0.631,0.470], df[0.671,0.028], g[0.797,0.021]
1/1 [=====] - 0s 141ms/step
>12567, dr[0.614,0.141], df[0.726,0.026], g[0.769,0.038]
1/1 [=====] - 0s 104ms/step
>12568, dr[0.663,0.120], df[0.668,0.031], g[0.822,0.024]
1/1 [=====] - 0s 92ms/step
>12569, dr[0.745,0.651], df[0.632,0.056], g[0.759,0.020]
1/1 [=====] - 0s 87ms/step
>12570, dr[0.719,0.389], df[0.684,0.036], g[0.763,0.030]
1/1 [=====] - 0s 91ms/step
>12571, dr[0.721,0.309], df[0.770,0.041], g[0.866,0.025]
1/1 [=====] - 0s 90ms/step
>12572, dr[0.715,0.349], df[0.701,0.015], g[0.785,0.021]
1/1 [=====] - 0s 93ms/step
>12573, dr[0.736,0.415], df[0.724,0.021], g[0.819,0.030]
1/1 [=====] - 0s 90ms/step
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>12574, dr[0.674,0.177], df[0.699,0.024], g[0.809,0.033]
1/1 [=====] - 0s 91ms/step
>12575, dr[0.692,0.555], df[0.754,0.016], g[0.821,0.020]
1/1 [=====] - 0s 98ms/step
>12576, dr[0.724,0.448], df[0.739,0.019], g[0.754,0.024]
1/1 [=====] - 0s 89ms/step
>12577, dr[0.737,0.323], df[0.682,0.032], g[0.796,0.021]
1/1 [=====] - 0s 96ms/step
>12578, dr[0.660,0.756], df[0.772,0.058], g[0.799,0.036]
1/1 [=====] - 0s 88ms/step
>12579, dr[0.694,0.763], df[0.783,0.025], g[0.782,0.028]
1/1 [=====] - 0s 87ms/step
>12580, dr[0.685,0.526], df[0.747,0.044], g[0.761,0.042]
1/1 [=====] - 0s 99ms/step
>12581, dr[0.638,0.597], df[0.699,0.020], g[0.841,0.034]
1/1 [=====] - 0s 92ms/step
>12582, dr[0.722,0.375], df[0.693,0.009], g[0.820,0.032]
1/1 [=====] - 0s 92ms/step
>12583, dr[0.715,0.673], df[0.649,0.016], g[0.731,0.019]
1/1 [=====] - 0s 94ms/step
>12584, dr[0.821,0.358], df[0.700,0.031], g[0.792,0.021]
1/1 [=====] - 0s 92ms/step
>12585, dr[0.697,0.268], df[0.743,0.034], g[0.792,0.014]
1/1 [=====] - 0s 92ms/step
>12586, dr[0.660,0.517], df[0.706,0.013], g[0.724,0.019]
1/1 [=====] - 0s 89ms/step
>12587, dr[0.662,0.575], df[0.704,0.021], g[0.764,0.022]
1/1 [=====] - 0s 100ms/step
>12588, dr[0.607,0.188], df[0.705,0.056], g[0.804,0.030]
1/1 [=====] - 0s 91ms/step
>12589, dr[0.647,0.390], df[0.766,0.030], g[0.777,0.019]
1/1 [=====] - 0s 90ms/step
>12590, dr[0.660,0.256], df[0.612,0.017], g[0.785,0.030]
1/1 [=====] - 0s 87ms/step
>12591, dr[0.702,0.425], df[0.600,0.028], g[0.750,0.017]
1/1 [=====] - 0s 89ms/step
>12592, dr[0.727,0.403], df[0.774,0.034], g[0.805,0.027]
1/1 [=====] - 0s 88ms/step
>12593, dr[0.631,0.254], df[0.760,0.030], g[0.855,0.023]
1/1 [=====] - 0s 99ms/step
>12594, dr[0.755,0.681], df[0.688,0.057], g[0.811,0.040]
1/1 [=====] - 0s 97ms/step
>12595, dr[0.640,0.542], df[0.653,0.012], g[0.785,0.015]
1/1 [=====] - 0s 90ms/step
>12596, dr[0.662,0.614], df[0.595,0.016], g[0.847,0.015]
1/1 [=====] - 0s 88ms/step
>12597, dr[0.647,0.614], df[0.717,0.019], g[0.764,0.023]
1/1 [=====] - 0s 99ms/step
>12598, dr[0.743,0.324], df[0.650,0.019], g[0.737,0.025]
1/1 [=====] - 0s 86ms/step
>12599, dr[0.693,0.634], df[0.833,0.035], g[0.706,0.020]
1/1 [=====] - 0s 92ms/step
>12600, dr[0.704,0.394], df[0.803,0.013], g[0.773,0.024]
1/1 [=====] - 0s 96ms/step
>12601, dr[0.695,0.523], df[0.763,0.015], g[0.799,0.021]
1/1 [=====] - 0s 90ms/step
>12602, dr[0.671,0.694], df[0.791,0.033], g[0.822,0.019]
1/1 [=====] - 0s 89ms/step
>12603, dr[0.654,0.440], df[0.708,0.020], g[0.776,0.024]
1/1 [=====] - 0s 93ms/step
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>12604, dr[0.728,0.351], df[0.689,0.026], g[0.852,0.029]
1/1 [=====] - 0s 97ms/step
>12605, dr[0.722,0.391], df[0.720,0.011], g[0.754,0.013]
1/1 [=====] - 0s 87ms/step
>12606, dr[0.742,0.477], df[0.733,0.021], g[0.786,0.021]
1/1 [=====] - 0s 87ms/step
>12607, dr[0.647,0.706], df[0.716,0.026], g[0.779,0.019]
1/1 [=====] - 0s 99ms/step
>12608, dr[0.733,0.593], df[0.715,0.035], g[0.835,0.057]
1/1 [=====] - 0s 94ms/step
>12609, dr[0.743,0.244], df[0.707,0.045], g[0.777,0.015]
1/1 [=====] - 0s 87ms/step
>12610, dr[0.771,0.529], df[0.722,0.024], g[0.775,0.030]
1/1 [=====] - 0s 90ms/step
>12611, dr[0.729,0.358], df[0.642,0.026], g[0.756,0.030]
1/1 [=====] - 0s 94ms/step
>12612, dr[0.666,0.710], df[0.787,0.025], g[0.812,0.025]
1/1 [=====] - 0s 92ms/step
>12613, dr[0.672,0.599], df[0.721,0.034], g[0.826,0.023]
1/1 [=====] - 0s 87ms/step
>12614, dr[0.629,0.245], df[0.713,0.054], g[0.777,0.025]
1/1 [=====] - 0s 102ms/step
>12615, dr[0.703,0.253], df[0.733,0.030], g[0.799,0.038]
1/1 [=====] - 0s 88ms/step
>12616, dr[0.657,0.720], df[0.672,0.038], g[0.821,0.034]
1/1 [=====] - 0s 90ms/step
>12617, dr[0.759,0.576], df[0.709,0.036], g[0.734,0.090]
1/1 [=====] - 0s 91ms/step
>12618, dr[0.664,0.497], df[0.689,0.023], g[0.799,0.021]
1/1 [=====] - 0s 90ms/step
>12619, dr[0.637,0.576], df[0.729,0.018], g[0.798,0.039]
1/1 [=====] - 0s 93ms/step
>12620, dr[0.747,0.313], df[0.765,0.018], g[0.767,0.019]
1/1 [=====] - 0s 91ms/step
>12621, dr[0.663,0.356], df[0.656,0.031], g[0.816,0.027]
1/1 [=====] - 0s 92ms/step
>12622, dr[0.623,0.577], df[0.723,0.041], g[0.802,0.039]
1/1 [=====] - 0s 90ms/step
>12623, dr[0.661,0.426], df[0.732,0.031], g[0.833,0.018]
1/1 [=====] - 0s 86ms/step
>12624, dr[0.758,0.653], df[0.699,0.027], g[0.796,0.029]
1/1 [=====] - 0s 103ms/step
>12625, dr[0.694,0.496], df[0.680,0.042], g[0.853,0.017]
1/1 [=====] - 0s 90ms/step
>12626, dr[0.703,0.519], df[0.655,0.013], g[0.743,0.027]
1/1 [=====] - 0s 89ms/step
>12627, dr[0.686,0.606], df[0.760,0.018], g[0.801,0.019]
1/1 [=====] - 0s 92ms/step
>12628, dr[0.630,0.380], df[0.793,0.018], g[0.813,0.048]
1/1 [=====] - 0s 92ms/step
>12629, dr[0.711,0.625], df[0.705,0.021], g[0.791,0.027]
1/1 [=====] - 0s 89ms/step
>12630, dr[0.747,0.203], df[0.675,0.018], g[0.816,0.021]
1/1 [=====] - 0s 89ms/step
>12631, dr[0.713,0.679], df[0.661,0.021], g[0.747,0.015]
1/1 [=====] - 0s 89ms/step
>12632, dr[0.650,0.290], df[0.723,0.018], g[0.758,0.020]
1/1 [=====] - 0s 93ms/step
>12633, dr[0.710,0.370], df[0.687,0.033], g[0.779,0.038]
1/1 [=====] - 0s 89ms/step
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>12634, dr[0.718,0.561], df[0.741,0.036], g[0.807,0.020]
1/1 [=====] - 0s 104ms/step
>12635, dr[0.719,0.348], df[0.644,0.015], g[0.851,0.016]
1/1 [=====] - 0s 90ms/step
>12636, dr[0.679,0.677], df[0.716,0.016], g[0.804,0.024]
1/1 [=====] - 0s 92ms/step
>12637, dr[0.702,0.636], df[0.797,0.025], g[0.769,0.058]
1/1 [=====] - 0s 103ms/step
>12638, dr[0.717,0.579], df[0.751,0.017], g[0.777,0.026]
1/1 [=====] - 0s 96ms/step
>12639, dr[0.693,0.670], df[0.717,0.010], g[0.761,0.015]
1/1 [=====] - 0s 93ms/step
>12640, dr[0.658,0.623], df[0.638,0.030], g[0.804,0.045]
1/1 [=====] - 0s 90ms/step
>12641, dr[0.681,0.743], df[0.730,0.024], g[0.797,0.023]
1/1 [=====] - 0s 100ms/step
>12642, dr[0.782,0.425], df[0.706,0.012], g[0.765,0.024]
1/1 [=====] - 0s 98ms/step
>12643, dr[0.733,0.501], df[0.726,0.015], g[0.722,0.043]
1/1 [=====] - 0s 88ms/step
>12644, dr[0.639,0.434], df[0.725,0.018], g[0.728,0.015]
1/1 [=====] - 0s 94ms/step
>12645, dr[0.658,0.241], df[0.632,0.022], g[0.808,0.016]
1/1 [=====] - 0s 93ms/step
>12646, dr[0.672,0.522], df[0.722,0.028], g[0.755,0.015]
1/1 [=====] - 0s 90ms/step
>12647, dr[0.593,0.851], df[0.685,0.016], g[0.827,0.021]
1/1 [=====] - 0s 95ms/step
>12648, dr[0.707,0.446], df[0.755,0.025], g[0.745,0.016]
1/1 [=====] - 0s 94ms/step
>12649, dr[0.618,0.537], df[0.628,0.016], g[0.836,0.020]
1/1 [=====] - 0s 87ms/step
>12650, dr[0.834,0.457], df[0.732,0.010], g[0.816,0.023]
1/1 [=====] - 0s 89ms/step
>12651, dr[0.676,0.268], df[0.710,0.027], g[0.819,0.029]
1/1 [=====] - 0s 105ms/step
>12652, dr[0.755,0.804], df[0.716,0.018], g[0.857,0.020]
1/1 [=====] - 0s 91ms/step
>12653, dr[0.756,0.509], df[0.641,0.014], g[0.753,0.022]
1/1 [=====] - 0s 89ms/step
>12654, dr[0.649,0.214], df[0.715,0.033], g[0.781,0.022]
1/1 [=====] - 0s 91ms/step
>12655, dr[0.751,0.649], df[0.754,0.036], g[0.787,0.028]
1/1 [=====] - 0s 100ms/step
>12656, dr[0.677,0.617], df[0.678,0.016], g[0.778,0.044]
1/1 [=====] - 0s 96ms/step
>12657, dr[0.696,0.448], df[0.731,0.029], g[0.754,0.024]
1/1 [=====] - 0s 87ms/step
>12658, dr[0.754,0.253], df[0.658,0.026], g[0.776,0.029]
1/1 [=====] - 0s 99ms/step
>12659, dr[0.688,0.431], df[0.774,0.037], g[0.724,0.026]
1/1 [=====] - 0s 87ms/step
>12660, dr[0.654,0.267], df[0.717,0.010], g[0.770,0.019]
1/1 [=====] - 0s 87ms/step
>12661, dr[0.731,0.408], df[0.706,0.011], g[0.781,0.038]
1/1 [=====] - 0s 92ms/step
>12662, dr[0.692,0.499], df[0.695,0.010], g[0.754,0.021]
1/1 [=====] - 0s 88ms/step
>12663, dr[0.735,0.399], df[0.734,0.018], g[0.776,0.014]
1/1 [=====] - 0s 87ms/step
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>12664, dr[0.740,0.735], df[0.675,0.033], g[0.795,0.027]
1/1 [=====] - 0s 97ms/step
>12665, dr[0.598,0.400], df[0.693,0.028], g[0.799,0.022]
1/1 [=====] - 0s 96ms/step
>12666, dr[0.758,0.541], df[0.708,0.021], g[0.738,0.032]
1/1 [=====] - 0s 89ms/step
>12667, dr[0.693,0.420], df[0.707,0.022], g[0.753,0.034]
1/1 [=====] - 0s 91ms/step
>12668, dr[0.620,0.321], df[0.731,0.017], g[0.815,0.031]
1/1 [=====] - 0s 96ms/step
>12669, dr[0.657,0.347], df[0.775,0.035], g[0.754,0.026]
1/1 [=====] - 0s 88ms/step
>12670, dr[0.683,0.522], df[0.692,0.081], g[0.790,0.027]
1/1 [=====] - 0s 87ms/step
>12671, dr[0.615,0.759], df[0.691,0.065], g[0.822,0.023]
1/1 [=====] - 0s 97ms/step
>12672, dr[0.733,0.590], df[0.668,0.019], g[0.817,0.019]
1/1 [=====] - 0s 90ms/step
>12673, dr[0.730,0.392], df[0.685,0.023], g[0.770,0.024]
1/1 [=====] - 0s 89ms/step
>12674, dr[0.624,0.346], df[0.772,0.035], g[0.721,0.017]
1/1 [=====] - 0s 97ms/step
>12675, dr[0.709,0.551], df[0.685,0.022], g[0.769,0.031]
1/1 [=====] - 0s 91ms/step
>12676, dr[0.626,0.185], df[0.653,0.039], g[0.710,0.025]
1/1 [=====] - 0s 87ms/step
>12677, dr[0.699,0.507], df[0.718,0.015], g[0.753,0.024]
1/1 [=====] - 0s 89ms/step
>12678, dr[0.666,0.377], df[0.694,0.017], g[0.793,0.026]
1/1 [=====] - 0s 103ms/step
>12679, dr[0.622,0.573], df[0.716,0.010], g[0.814,0.027]
1/1 [=====] - 0s 91ms/step
>12680, dr[0.743,0.469], df[0.654,0.039], g[0.803,0.016]
1/1 [=====] - 0s 88ms/step
>12681, dr[0.714,0.358], df[0.695,0.025], g[0.774,0.025]
1/1 [=====] - 0s 96ms/step
>12682, dr[0.627,0.595], df[0.627,0.022], g[0.792,0.025]
1/1 [=====] - 0s 91ms/step
>12683, dr[0.778,0.396], df[0.758,0.021], g[0.806,0.035]
1/1 [=====] - 0s 88ms/step
>12684, dr[0.780,0.570], df[0.769,0.025], g[0.706,0.033]
1/1 [=====] - 0s 92ms/step
>12685, dr[0.689,0.635], df[0.665,0.012], g[0.769,0.019]
1/1 [=====] - 0s 95ms/step
>12686, dr[0.677,0.588], df[0.726,0.027], g[0.808,0.040]
1/1 [=====] - 0s 87ms/step
>12687, dr[0.658,0.688], df[0.681,0.014], g[0.762,0.022]
1/1 [=====] - 0s 90ms/step
>12688, dr[0.729,0.585], df[0.707,0.013], g[0.734,0.044]
1/1 [=====] - 0s 108ms/step
>12689, dr[0.759,0.436], df[0.676,0.040], g[0.778,0.020]
1/1 [=====] - 0s 87ms/step
>12690, dr[0.696,0.552], df[0.717,0.036], g[0.769,0.028]
1/1 [=====] - 0s 89ms/step
>12691, dr[0.605,0.366], df[0.682,0.027], g[0.794,0.017]
1/1 [=====] - 0s 91ms/step
>12692, dr[0.634,0.386], df[0.694,0.012], g[0.785,0.027]
1/1 [=====] - 0s 90ms/step
>12693, dr[0.697,0.704], df[0.700,0.029], g[0.827,0.027]
1/1 [=====] - 0s 93ms/step
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>12694, dr[0.659,0.369], df[0.716,0.025], g[0.768,0.019]
1/1 [=====] - 0s 89ms/step
>12695, dr[0.684,0.413], df[0.684,0.037], g[0.845,0.027]
1/1 [=====] - 0s 108ms/step
>12696, dr[0.730,0.472], df[0.715,0.043], g[0.840,0.020]
1/1 [=====] - 0s 88ms/step
>12697, dr[0.725,0.377], df[0.679,0.029], g[0.793,0.031]
1/1 [=====] - 0s 100ms/step
>12698, dr[0.713,1.224], df[0.725,0.044], g[0.762,0.023]
1/1 [=====] - 0s 93ms/step
>12699, dr[0.760,0.474], df[0.661,0.031], g[0.765,0.026]
1/1 [=====] - 0s 107ms/step
>12700, dr[0.709,0.696], df[0.763,0.028], g[0.759,0.020]
1/1 [=====] - 0s 98ms/step
>12701, dr[0.653,0.370], df[0.687,0.013], g[0.715,0.037]
1/1 [=====] - 0s 89ms/step
>12702, dr[0.689,0.495], df[0.803,0.019], g[0.757,0.038]
1/1 [=====] - 0s 100ms/step
>12703, dr[0.701,0.258], df[0.753,0.027], g[0.726,0.040]
1/1 [=====] - 0s 96ms/step
>12704, dr[0.662,0.269], df[0.851,0.042], g[0.790,0.019]
1/1 [=====] - 0s 95ms/step
>12705, dr[0.711,0.573], df[0.645,0.025], g[0.823,0.026]
1/1 [=====] - 0s 90ms/step
>12706, dr[0.674,0.792], df[0.757,0.030], g[0.750,0.020]
1/1 [=====] - 0s 113ms/step
>12707, dr[0.708,0.315], df[0.725,0.021], g[0.764,0.044]
1/1 [=====] - 0s 94ms/step
>12708, dr[0.685,0.459], df[0.595,0.028], g[0.760,0.020]
1/1 [=====] - 0s 91ms/step
>12709, dr[0.664,0.703], df[0.735,0.017], g[0.757,0.023]
1/1 [=====] - 0s 104ms/step
>12710, dr[0.669,0.574], df[0.726,0.016], g[0.756,0.029]
1/1 [=====] - 0s 120ms/step
>12711, dr[0.667,0.349], df[0.661,0.008], g[0.801,0.036]
1/1 [=====] - 0s 114ms/step
>12712, dr[0.638,0.587], df[0.805,0.018], g[0.818,0.017]
1/1 [=====] - 0s 114ms/step
>12713, dr[0.789,0.295], df[0.778,0.016], g[0.780,0.023]
1/1 [=====] - 0s 117ms/step
>12714, dr[0.697,0.456], df[0.675,0.031], g[0.802,0.024]
1/1 [=====] - 0s 117ms/step
>12715, dr[0.702,0.394], df[0.658,0.059], g[0.840,0.017]
1/1 [=====] - 0s 122ms/step
>12716, dr[0.748,0.910], df[0.715,0.021], g[0.763,0.032]
1/1 [=====] - 0s 115ms/step
>12717, dr[0.630,0.254], df[0.689,0.031], g[0.790,0.017]
1/1 [=====] - 0s 117ms/step
>12718, dr[0.669,0.901], df[0.742,0.033], g[0.755,0.028]
1/1 [=====] - 0s 119ms/step
>12719, dr[0.702,0.317], df[0.697,0.036], g[0.817,0.023]
1/1 [=====] - 0s 103ms/step
>12720, dr[0.770,0.823], df[0.745,0.026], g[0.759,0.045]
1/1 [=====] - 0s 95ms/step
>12721, dr[0.697,0.289], df[0.710,0.067], g[0.730,0.023]
1/1 [=====] - 0s 98ms/step
>12722, dr[0.639,0.678], df[0.636,0.015], g[0.778,0.022]
1/1 [=====] - 0s 106ms/step
>12723, dr[0.675,0.313], df[0.736,0.028], g[0.802,0.052]
1/1 [=====] - 0s 111ms/step
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>12724, dr[0.736,0.554], df[0.652,0.033], g[0.766,0.028]
1/1 [=====] - 0s 96ms/step
>12725, dr[0.714,0.471], df[0.730,0.015], g[0.775,0.032]
1/1 [=====] - 0s 103ms/step
>12726, dr[0.662,0.367], df[0.706,0.046], g[0.765,0.025]
1/1 [=====] - 0s 104ms/step
>12727, dr[0.719,0.576], df[0.765,0.038], g[0.793,0.022]
1/1 [=====] - 0s 118ms/step
>12728, dr[0.681,0.345], df[0.734,0.022], g[0.721,0.023]
1/1 [=====] - 0s 99ms/step
>12729, dr[0.776,0.828], df[0.676,0.038], g[0.738,0.033]
1/1 [=====] - 0s 104ms/step
>12730, dr[0.693,0.330], df[0.735,0.023], g[0.808,0.028]
1/1 [=====] - 0s 97ms/step
>12731, dr[0.720,0.363], df[0.820,0.019], g[0.767,0.026]
1/1 [=====] - 0s 112ms/step
>12732, dr[0.803,0.464], df[0.661,0.013], g[0.846,0.023]
1/1 [=====] - 0s 112ms/step
>12733, dr[0.689,0.537], df[0.674,0.024], g[0.719,0.021]
1/1 [=====] - 0s 97ms/step
>12734, dr[0.690,0.583], df[0.683,0.018], g[0.735,0.032]
1/1 [=====] - 0s 100ms/step
>12735, dr[0.669,0.427], df[0.731,0.024], g[0.766,0.026]
1/1 [=====] - 0s 105ms/step
>12736, dr[0.576,0.437], df[0.695,0.042], g[0.790,0.037]
1/1 [=====] - 0s 118ms/step
>12737, dr[0.690,0.507], df[0.637,0.026], g[0.763,0.023]
1/1 [=====] - 0s 102ms/step
>12738, dr[0.667,0.649], df[0.684,0.037], g[0.812,0.044]
1/1 [=====] - 0s 98ms/step
>12739, dr[0.696,0.214], df[0.747,0.033], g[0.772,0.042]
1/1 [=====] - 0s 97ms/step
>12740, dr[0.713,0.620], df[0.689,0.042], g[0.849,0.017]
1/1 [=====] - 0s 103ms/step
>12741, dr[0.687,0.308], df[0.714,0.024], g[0.800,0.015]
1/1 [=====] - 0s 109ms/step
>12742, dr[0.683,0.444], df[0.675,0.016], g[0.842,0.023]
1/1 [=====] - 0s 96ms/step
>12743, dr[0.692,0.245], df[0.694,0.017], g[0.776,0.030]
1/1 [=====] - 0s 101ms/step
>12744, dr[0.710,0.374], df[0.728,0.030], g[0.868,0.029]
1/1 [=====] - 0s 99ms/step
>12745, dr[0.652,0.291], df[0.722,0.020], g[0.832,0.031]
1/1 [=====] - 0s 113ms/step
>12746, dr[0.775,0.630], df[0.675,0.031], g[0.811,0.022]
1/1 [=====] - 0s 107ms/step
>12747, dr[0.661,0.273], df[0.636,0.019], g[0.831,0.035]
1/1 [=====] - 0s 96ms/step
>12748, dr[0.740,0.533], df[0.738,0.031], g[0.777,0.020]
1/1 [=====] - 0s 103ms/step
>12749, dr[0.753,0.725], df[0.641,0.012], g[0.760,0.023]
1/1 [=====] - 0s 102ms/step
>12750, dr[0.705,0.330], df[0.720,0.026], g[0.734,0.025]
1/1 [=====] - 0s 106ms/step
>12751, dr[0.682,0.408], df[0.653,0.049], g[0.790,0.043]
1/1 [=====] - 0s 110ms/step
>12752, dr[0.650,0.428], df[0.622,0.035], g[0.768,0.028]
1/1 [=====] - 0s 98ms/step
>12753, dr[0.681,0.341], df[0.758,0.023], g[0.738,0.036]
1/1 [=====] - 0s 112ms/step
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>12754, dr[0.781,0.583], df[0.660,0.014], g[0.783,0.024]
1/1 [=====] - 0s 99ms/step
>12755, dr[0.712,0.897], df[0.681,0.030], g[0.785,0.019]
1/1 [=====] - 0s 108ms/step
>12756, dr[0.684,0.408], df[0.632,0.033], g[0.778,0.022]
1/1 [=====] - 0s 114ms/step
>12757, dr[0.653,0.684], df[0.708,0.044], g[0.751,0.026]
1/1 [=====] - 0s 105ms/step
>12758, dr[0.633,0.463], df[0.768,0.020], g[0.764,0.013]
1/1 [=====] - 0s 108ms/step
>12759, dr[0.724,0.601], df[0.697,0.017], g[0.762,0.017]
1/1 [=====] - 0s 105ms/step
>12760, dr[0.620,0.413], df[0.780,0.009], g[0.800,0.035]
1/1 [=====] - 0s 115ms/step
>12761, dr[0.580,0.196], df[0.769,0.021], g[0.830,0.017]
1/1 [=====] - 0s 106ms/step
>12762, dr[0.678,0.509], df[0.789,0.026], g[0.774,0.021]
1/1 [=====] - 0s 122ms/step
>12763, dr[0.767,0.197], df[0.663,0.030], g[0.826,0.031]
1/1 [=====] - 0s 113ms/step
>12764, dr[0.795,0.887], df[0.700,0.053], g[0.758,0.023]
1/1 [=====] - 0s 103ms/step
>12765, dr[0.719,0.310], df[0.709,0.029], g[0.797,0.027]
1/1 [=====] - 0s 106ms/step
>12766, dr[0.698,0.479], df[0.708,0.019], g[0.784,0.017]
1/1 [=====] - 0s 111ms/step
>12767, dr[0.724,0.310], df[0.697,0.025], g[0.763,0.016]
1/1 [=====] - 0s 113ms/step
>12768, dr[0.701,0.512], df[0.795,0.041], g[0.733,0.023]
1/1 [=====] - 0s 108ms/step
>12769, dr[0.654,0.782], df[0.747,0.013], g[0.797,0.030]
1/1 [=====] - 0s 114ms/step
>12770, dr[0.785,0.701], df[0.717,0.019], g[0.740,0.060]
1/1 [=====] - 0s 171ms/step
>12771, dr[0.693,0.263], df[0.716,0.018], g[0.835,0.018]
1/1 [=====] - 0s 132ms/step
>12772, dr[0.662,0.466], df[0.783,0.025], g[0.817,0.023]
1/1 [=====] - 0s 149ms/step
>12773, dr[0.661,0.427], df[0.713,0.022], g[0.774,0.014]
1/1 [=====] - 0s 192ms/step
>12774, dr[0.728,0.622], df[0.748,0.022], g[0.758,0.024]
1/1 [=====] - 0s 109ms/step
>12775, dr[0.651,0.214], df[0.704,0.014], g[0.770,0.027]
1/1 [=====] - 0s 125ms/step
>12776, dr[0.740,0.325], df[0.688,0.013], g[0.810,0.022]
1/1 [=====] - 0s 120ms/step
>12777, dr[0.733,0.430], df[0.703,0.016], g[0.810,0.033]
1/1 [=====] - 0s 119ms/step
>12778, dr[0.741,0.582], df[0.758,0.029], g[0.769,0.023]
1/1 [=====] - 0s 118ms/step
>12779, dr[0.661,0.505], df[0.778,0.039], g[0.816,0.021]
1/1 [=====] - 0s 131ms/step
>12780, dr[0.639,0.563], df[0.675,0.040], g[0.777,0.012]
1/1 [=====] - 0s 135ms/step
>12781, dr[0.721,0.763], df[0.726,0.024], g[0.763,0.024]
1/1 [=====] - 0s 116ms/step
>12782, dr[0.719,0.290], df[0.705,0.015], g[0.800,0.037]
1/1 [=====] - 0s 122ms/step
>12783, dr[0.673,0.291], df[0.725,0.013], g[0.802,0.021]
1/1 [=====] - 0s 110ms/step
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>12784, dr[0.687,0.541], df[0.709,0.027], g[0.783,0.015]
1/1 [=====] - 0s 117ms/step
>12785, dr[0.708,0.706], df[0.755,0.035], g[0.775,0.022]
1/1 [=====] - 0s 125ms/step
>12786, dr[0.688,0.355], df[0.659,0.025], g[0.882,0.022]
1/1 [=====] - 0s 132ms/step
>12787, dr[0.720,0.869], df[0.702,0.012], g[0.812,0.012]
1/1 [=====] - 0s 123ms/step
>12788, dr[0.668,0.381], df[0.615,0.020], g[0.828,0.022]
1/1 [=====] - 0s 124ms/step
>12789, dr[0.741,0.741], df[0.694,0.014], g[0.804,0.011]
1/1 [=====] - 0s 115ms/step
>12790, dr[0.674,0.386], df[0.706,0.007], g[0.827,0.025]
1/1 [=====] - 0s 119ms/step
>12791, dr[0.643,0.614], df[0.750,0.049], g[0.776,0.018]
1/1 [=====] - 0s 135ms/step
>12792, dr[0.739,0.291], df[0.716,0.025], g[0.787,0.028]
1/1 [=====] - 0s 124ms/step
>12793, dr[0.754,0.472], df[0.717,0.009], g[0.814,0.042]
1/1 [=====] - 0s 118ms/step
>12794, dr[0.641,0.750], df[0.734,0.042], g[0.751,0.051]
1/1 [=====] - 0s 118ms/step
>12795, dr[0.704,0.184], df[0.766,0.016], g[0.801,0.043]
1/1 [=====] - 0s 115ms/step
>12796, dr[0.702,0.615], df[0.705,0.043], g[0.748,0.021]
1/1 [=====] - 0s 132ms/step
>12797, dr[0.667,0.724], df[0.690,0.030], g[0.790,0.044]
1/1 [=====] - 0s 116ms/step
>12798, dr[0.648,0.330], df[0.720,0.025], g[0.808,0.027]
1/1 [=====] - 0s 126ms/step
>12799, dr[0.763,0.299], df[0.724,0.036], g[0.793,0.014]
1/1 [=====] - 0s 118ms/step
>12800, dr[0.604,0.420], df[0.718,0.020], g[0.775,0.017]
1/1 [=====] - 0s 116ms/step
>12801, dr[0.675,0.516], df[0.719,0.025], g[0.740,0.027]
1/1 [=====] - 0s 114ms/step
>12802, dr[0.677,0.551], df[0.662,0.034], g[0.749,0.026]
1/1 [=====] - 0s 122ms/step
>12803, dr[0.605,0.776], df[0.673,0.034], g[0.819,0.055]
1/1 [=====] - 0s 132ms/step
>12804, dr[0.716,0.230], df[0.671,0.012], g[0.861,0.019]
1/1 [=====] - 0s 129ms/step
>12805, dr[0.713,0.451], df[0.658,0.046], g[0.790,0.027]
1/1 [=====] - 0s 116ms/step
>12806, dr[0.685,0.597], df[0.686,0.023], g[0.771,0.021]
1/1 [=====] - 0s 118ms/step
>12807, dr[0.777,0.590], df[0.723,0.018], g[0.789,0.015]
1/1 [=====] - 0s 133ms/step
>12808, dr[0.683,0.391], df[0.724,0.011], g[0.770,0.031]
1/1 [=====] - 0s 132ms/step
>12809, dr[0.724,0.446], df[0.711,0.012], g[0.738,0.027]
1/1 [=====] - 0s 116ms/step
>12810, dr[0.705,0.385], df[0.757,0.045], g[0.750,0.015]
1/1 [=====] - 0s 140ms/step
>12811, dr[0.712,0.364], df[0.754,0.017], g[0.724,0.025]
1/1 [=====] - 0s 125ms/step
>12812, dr[0.677,0.477], df[0.706,0.009], g[0.772,0.021]
1/1 [=====] - 0s 115ms/step
>12813, dr[0.795,0.395], df[0.670,0.013], g[0.739,0.036]
1/1 [=====] - 0s 117ms/step
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>12814, dr[0.674,0.413], df[0.712,0.038], g[0.775,0.013]
1/1 [=====] - 0s 125ms/step
>12815, dr[0.723,0.418], df[0.701,0.032], g[0.748,0.025]
1/1 [=====] - 0s 120ms/step
>12816, dr[0.710,0.572], df[0.782,0.019], g[0.764,0.022]
1/1 [=====] - 0s 121ms/step
>12817, dr[0.702,1.012], df[0.743,0.050], g[0.768,0.025]
1/1 [=====] - 0s 114ms/step
>12818, dr[0.591,0.536], df[0.704,0.038], g[0.786,0.032]
1/1 [=====] - 0s 130ms/step
>12819, dr[0.705,0.477], df[0.707,0.024], g[0.791,0.008]
1/1 [=====] - 0s 121ms/step
>12820, dr[0.719,0.665], df[0.635,0.012], g[0.806,0.034]
1/1 [=====] - 0s 126ms/step
>12821, dr[0.624,0.542], df[0.771,0.027], g[0.727,0.024]
1/1 [=====] - 0s 128ms/step
>12822, dr[0.690,0.555], df[0.828,0.039], g[0.774,0.029]
1/1 [=====] - 0s 132ms/step
>12823, dr[0.650,0.449], df[0.650,0.024], g[0.737,0.040]
1/1 [=====] - 0s 122ms/step
>12824, dr[0.683,0.477], df[0.761,0.028], g[0.830,0.029]
1/1 [=====] - 0s 118ms/step
>12825, dr[0.698,0.363], df[0.706,0.032], g[0.790,0.026]
1/1 [=====] - 0s 114ms/step
>12826, dr[0.697,0.718], df[0.731,0.012], g[0.725,0.021]
1/1 [=====] - 0s 117ms/step
>12827, dr[0.740,0.684], df[0.681,0.013], g[0.829,0.050]
1/1 [=====] - 0s 119ms/step
>12828, dr[0.726,0.476], df[0.707,0.007], g[0.757,0.017]
1/1 [=====] - 0s 125ms/step
>12829, dr[0.680,0.511], df[0.714,0.026], g[0.707,0.028]
1/1 [=====] - 0s 114ms/step
>12830, dr[0.644,0.687], df[0.692,0.022], g[0.769,0.023]
1/1 [=====] - 0s 120ms/step
>12831, dr[0.637,0.460], df[0.661,0.041], g[0.712,0.023]
1/1 [=====] - 0s 110ms/step
>12832, dr[0.645,0.441], df[0.683,0.018], g[0.761,0.036]
1/1 [=====] - 0s 128ms/step
>12833, dr[0.710,0.423], df[0.768,0.021], g[0.686,0.030]
1/1 [=====] - 0s 112ms/step
>12834, dr[0.711,0.696], df[0.706,0.021], g[0.723,0.020]
1/1 [=====] - 0s 107ms/step
>12835, dr[0.640,0.380], df[0.732,0.038], g[0.744,0.026]
1/1 [=====] - 0s 112ms/step
>12836, dr[0.753,0.411], df[0.696,0.044], g[0.762,0.018]
1/1 [=====] - 0s 120ms/step
>12837, dr[0.673,0.425], df[0.737,0.023], g[0.729,0.028]
1/1 [=====] - 0s 118ms/step
>12838, dr[0.752,0.439], df[0.667,0.048], g[0.730,0.047]
1/1 [=====] - 0s 121ms/step
>12839, dr[0.736,0.607], df[0.681,0.022], g[0.779,0.036]
1/1 [=====] - 0s 113ms/step
>12840, dr[0.692,0.246], df[0.717,0.024], g[0.779,0.029]
1/1 [=====] - 0s 121ms/step
>12841, dr[0.633,0.413], df[0.734,0.028], g[0.787,0.027]
1/1 [=====] - 0s 126ms/step
>12842, dr[0.713,0.693], df[0.628,0.030], g[0.773,0.030]
1/1 [=====] - 0s 134ms/step
>12843, dr[0.654,0.820], df[0.699,0.014], g[0.718,0.023]
1/1 [=====] - 0s 137ms/step
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>12844, dr[0.704,0.509], df[0.734,0.032], g[0.774,0.028]
1/1 [=====] - 0s 119ms/step
>12845, dr[0.638,0.344], df[0.666,0.032], g[0.839,0.035]
1/1 [=====] - 0s 147ms/step
>12846, dr[0.679,0.194], df[0.686,0.009], g[0.762,0.026]
1/1 [=====] - 0s 128ms/step
>12847, dr[0.681,0.414], df[0.721,0.026], g[0.816,0.017]
1/1 [=====] - 0s 134ms/step
>12848, dr[0.669,0.534], df[0.797,0.039], g[0.839,0.024]
1/1 [=====] - 0s 132ms/step
>12849, dr[0.673,0.466], df[0.736,0.015], g[0.825,0.035]
1/1 [=====] - 0s 131ms/step
>12850, dr[0.720,0.909], df[0.676,0.018], g[0.819,0.016]
1/1 [=====] - 0s 120ms/step
>12851, dr[0.712,0.364], df[0.690,0.022], g[0.822,0.031]
1/1 [=====] - 0s 111ms/step
>12852, dr[0.624,0.448], df[0.599,0.018], g[0.786,0.022]
1/1 [=====] - 0s 106ms/step
>12853, dr[0.721,0.618], df[0.741,0.024], g[0.804,0.031]
1/1 [=====] - 0s 129ms/step
>12854, dr[0.744,0.787], df[0.733,0.021], g[0.838,0.020]
1/1 [=====] - 0s 110ms/step
>12855, dr[0.642,0.222], df[0.602,0.013], g[0.754,0.026]
1/1 [=====] - 0s 104ms/step
>12856, dr[0.711,0.321], df[0.685,0.032], g[0.845,0.035]
1/1 [=====] - 0s 124ms/step
>12857, dr[0.655,0.711], df[0.728,0.025], g[0.787,0.020]
1/1 [=====] - 0s 114ms/step
>12858, dr[0.652,0.362], df[0.645,0.027], g[0.764,0.025]
1/1 [=====] - 0s 101ms/step
>12859, dr[0.720,0.712], df[0.617,0.028], g[0.758,0.022]
1/1 [=====] - 0s 110ms/step
>12860, dr[0.729,0.463], df[0.649,0.037], g[0.766,0.034]
1/1 [=====] - 0s 102ms/step
>12861, dr[0.717,0.283], df[0.706,0.023], g[0.735,0.018]
1/1 [=====] - 0s 117ms/step
>12862, dr[0.657,0.359], df[0.691,0.023], g[0.809,0.027]
1/1 [=====] - 0s 123ms/step
>12863, dr[0.688,0.518], df[0.720,0.016], g[0.823,0.026]
1/1 [=====] - 0s 107ms/step
>12864, dr[0.656,0.404], df[0.728,0.017], g[0.792,0.018]
1/1 [=====] - 0s 105ms/step
>12865, dr[0.697,0.436], df[0.676,0.032], g[0.861,0.021]
1/1 [=====] - 0s 102ms/step
>12866, dr[0.711,0.774], df[0.662,0.032], g[0.764,0.021]
1/1 [=====] - 0s 106ms/step
>12867, dr[0.750,0.438], df[0.759,0.041], g[0.803,0.027]
1/1 [=====] - 0s 113ms/step
>12868, dr[0.694,0.638], df[0.695,0.031], g[0.759,0.020]
1/1 [=====] - 0s 131ms/step
>12869, dr[0.668,0.574], df[0.694,0.018], g[0.793,0.034]
1/1 [=====] - 0s 123ms/step
>12870, dr[0.806,0.415], df[0.678,0.043], g[0.775,0.020]
1/1 [=====] - 0s 105ms/step
>12871, dr[0.676,0.375], df[0.669,0.018], g[0.775,0.025]
1/1 [=====] - 0s 108ms/step
>12872, dr[0.688,0.552], df[0.646,0.033], g[0.801,0.016]
1/1 [=====] - 0s 104ms/step
>12873, dr[0.729,0.590], df[0.727,0.078], g[0.765,0.031]
1/1 [=====] - 0s 102ms/step
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>12874, dr[0.612,0.382], df[0.705,0.027], g[0.729,0.012]
1/1 [=====] - 0s 108ms/step
>12875, dr[0.650,0.724], df[0.661,0.011], g[0.768,0.030]
1/1 [=====] - 0s 113ms/step
>12876, dr[0.600,0.294], df[0.678,0.029], g[0.833,0.017]
1/1 [=====] - 0s 105ms/step
>12877, dr[0.690,0.492], df[0.699,0.012], g[0.740,0.022]
1/1 [=====] - 0s 103ms/step
>12878, dr[0.738,0.456], df[0.787,0.029], g[0.828,0.028]
1/1 [=====] - 0s 104ms/step
>12879, dr[0.630,0.226], df[0.667,0.010], g[0.818,0.031]
1/1 [=====] - 0s 103ms/step
>12880, dr[0.782,0.483], df[0.660,0.025], g[0.748,0.022]
1/1 [=====] - 0s 121ms/step
>12881, dr[0.727,0.693], df[0.752,0.031], g[0.837,0.025]
1/1 [=====] - 0s 116ms/step
>12882, dr[0.693,0.408], df[0.662,0.020], g[0.786,0.032]
1/1 [=====] - 0s 101ms/step
>12883, dr[0.741,0.537], df[0.703,0.018], g[0.811,0.030]
1/1 [=====] - 0s 103ms/step
>12884, dr[0.705,0.287], df[0.662,0.038], g[0.760,0.015]
1/1 [=====] - 0s 106ms/step
>12885, dr[0.674,0.167], df[0.725,0.019], g[0.808,0.031]
1/1 [=====] - 0s 115ms/step
>12886, dr[0.688,0.478], df[0.824,0.022], g[0.778,0.023]
1/1 [=====] - 0s 115ms/step
>12887, dr[0.701,0.317], df[0.742,0.014], g[0.793,0.039]
1/1 [=====] - 0s 117ms/step
>12888, dr[0.745,0.579], df[0.789,0.012], g[0.805,0.035]
1/1 [=====] - 0s 107ms/step
>12889, dr[0.693,0.502], df[0.770,0.021], g[0.835,0.031]
1/1 [=====] - 0s 108ms/step
>12890, dr[0.685,0.310], df[0.660,0.014], g[0.889,0.040]
1/1 [=====] - 0s 102ms/step
>12891, dr[0.679,0.180], df[0.680,0.027], g[0.779,0.021]
1/1 [=====] - 0s 106ms/step
>12892, dr[0.683,0.542], df[0.789,0.049], g[0.751,0.034]
1/1 [=====] - 0s 115ms/step
>12893, dr[0.649,0.595], df[0.748,0.018], g[0.778,0.019]
1/1 [=====] - 0s 117ms/step
>12894, dr[0.705,0.437], df[0.670,0.024], g[0.814,0.020]
1/1 [=====] - 0s 117ms/step
>12895, dr[0.698,1.153], df[0.686,0.040], g[0.729,0.035]
1/1 [=====] - 0s 107ms/step
>12896, dr[0.687,0.454], df[0.753,0.017], g[0.793,0.014]
1/1 [=====] - 0s 105ms/step
>12897, dr[0.643,0.210], df[0.632,0.014], g[0.827,0.016]
1/1 [=====] - 0s 107ms/step
>12898, dr[0.662,0.280], df[0.634,0.008], g[0.714,0.025]
1/1 [=====] - 0s 120ms/step
>12899, dr[0.678,0.370], df[0.707,0.017], g[0.744,0.024]
1/1 [=====] - 0s 114ms/step
>12900, dr[0.657,0.519], df[0.693,0.013], g[0.791,0.019]
1/1 [=====] - 0s 112ms/step
>12901, dr[0.681,0.544], df[0.734,0.045], g[0.787,0.027]
1/1 [=====] - 0s 113ms/step
>12902, dr[0.627,0.560], df[0.667,0.023], g[0.772,0.021]
1/1 [=====] - 0s 107ms/step
>12903, dr[0.697,0.631], df[0.691,0.025], g[0.773,0.025]
1/1 [=====] - 0s 112ms/step
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>12904, dr[0.674,0.616], df[0.654,0.013], g[0.787,0.027]
1/1 [=====] - 0s 113ms/step
>12905, dr[0.738,0.513], df[0.734,0.033], g[0.785,0.017]
1/1 [=====] - 0s 124ms/step
>12906, dr[0.694,0.728], df[0.640,0.016], g[0.727,0.017]
1/1 [=====] - 0s 107ms/step
>12907, dr[0.683,0.522], df[0.651,0.032], g[0.740,0.011]
1/1 [=====] - 0s 117ms/step
>12908, dr[0.746,0.447], df[0.746,0.016], g[0.760,0.028]
1/1 [=====] - 0s 113ms/step
>12909, dr[0.640,0.281], df[0.722,0.025], g[0.806,0.023]
1/1 [=====] - 0s 120ms/step
>12910, dr[0.644,0.392], df[0.735,0.039], g[0.750,0.016]
1/1 [=====] - 0s 116ms/step
>12911, dr[0.742,0.248], df[0.617,0.027], g[0.760,0.023]
1/1 [=====] - 0s 109ms/step
>12912, dr[0.691,0.397], df[0.773,0.021], g[0.815,0.022]
1/1 [=====] - 0s 112ms/step
>12913, dr[0.642,0.270], df[0.704,0.027], g[0.742,0.031]
1/1 [=====] - 0s 109ms/step
>12914, dr[0.660,0.479], df[0.651,0.024], g[0.735,0.013]
1/1 [=====] - 0s 118ms/step
>12915, dr[0.699,0.556], df[0.712,0.029], g[0.766,0.030]
1/1 [=====] - 0s 121ms/step
>12916, dr[0.708,0.126], df[0.753,0.077], g[0.785,0.041]
1/1 [=====] - 0s 109ms/step
>12917, dr[0.716,0.297], df[0.669,0.025], g[0.709,0.034]
1/1 [=====] - 0s 112ms/step
>12918, dr[0.659,0.667], df[0.682,0.037], g[0.835,0.018]
1/1 [=====] - 0s 106ms/step
>12919, dr[0.713,0.258], df[0.749,0.025], g[0.802,0.016]
1/1 [=====] - 0s 114ms/step
>12920, dr[0.696,0.366], df[0.671,0.013], g[0.771,0.020]
1/1 [=====] - 0s 109ms/step
>12921, dr[0.661,0.270], df[0.799,0.031], g[0.800,0.018]
1/1 [=====] - 0s 121ms/step
>12922, dr[0.665,0.425], df[0.746,0.011], g[0.784,0.030]
1/1 [=====] - 0s 113ms/step
>12923, dr[0.709,0.505], df[0.804,0.013], g[0.750,0.012]
1/1 [=====] - 0s 107ms/step
>12924, dr[0.698,0.295], df[0.732,0.011], g[0.818,0.018]
1/1 [=====] - 0s 126ms/step
>12925, dr[0.714,0.307], df[0.638,0.035], g[0.837,0.030]
1/1 [=====] - 0s 116ms/step
>12926, dr[0.704,0.562], df[0.673,0.027], g[0.822,0.039]
1/1 [=====] - 0s 125ms/step
>12927, dr[0.664,0.338], df[0.677,0.013], g[0.746,0.025]
1/1 [=====] - 0s 119ms/step
>12928, dr[0.718,0.356], df[0.800,0.024], g[0.792,0.016]
1/1 [=====] - 0s 104ms/step
>12929, dr[0.678,0.444], df[0.707,0.028], g[0.744,0.024]
1/1 [=====] - 0s 109ms/step
>12930, dr[0.711,0.481], df[0.689,0.016], g[0.784,0.014]
1/1 [=====] - 0s 107ms/step
>12931, dr[0.713,0.632], df[0.713,0.053], g[0.764,0.019]
1/1 [=====] - 0s 108ms/step
>12932, dr[0.725,0.517], df[0.682,0.014], g[0.743,0.048]
1/1 [=====] - 0s 106ms/step
>12933, dr[0.630,0.448], df[0.678,0.013], g[0.818,0.021]
1/1 [=====] - 0s 112ms/step
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>12934, dr[0.679,0.704], df[0.739,0.017], g[0.779,0.017]
1/1 [=====] - 0s 104ms/step
>12935, dr[0.726,0.791], df[0.704,0.016], g[0.819,0.023]
1/1 [=====] - 0s 125ms/step
>12936, dr[0.676,0.440], df[0.760,0.018], g[0.753,0.038]
1/1 [=====] - 0s 119ms/step
>12937, dr[0.738,0.762], df[0.676,0.084], g[0.822,0.039]
1/1 [=====] - 0s 109ms/step
>12938, dr[0.693,0.580], df[0.694,0.019], g[0.788,0.014]
1/1 [=====] - 0s 115ms/step
>12939, dr[0.692,0.507], df[0.692,0.013], g[0.805,0.014]
1/1 [=====] - 0s 103ms/step
>12940, dr[0.704,0.433], df[0.675,0.029], g[0.786,0.022]
1/1 [=====] - 0s 102ms/step
>12941, dr[0.732,0.378], df[0.688,0.024], g[0.790,0.018]
1/1 [=====] - 0s 117ms/step
>12942, dr[0.637,0.401], df[0.680,0.025], g[0.795,0.032]
1/1 [=====] - 0s 112ms/step
>12943, dr[0.801,0.770], df[0.635,0.038], g[0.725,0.026]
1/1 [=====] - 0s 109ms/step
>12944, dr[0.647,0.365], df[0.813,0.027], g[0.753,0.022]
1/1 [=====] - 0s 111ms/step
>12945, dr[0.735,0.419], df[0.783,0.027], g[0.814,0.013]
1/1 [=====] - 0s 105ms/step
>12946, dr[0.780,0.266], df[0.690,0.019], g[0.802,0.051]
1/1 [=====] - 0s 105ms/step
>12947, dr[0.705,0.393], df[0.701,0.015], g[0.724,0.022]
1/1 [=====] - 0s 102ms/step
>12948, dr[0.684,0.356], df[0.655,0.030], g[0.785,0.019]
1/1 [=====] - 0s 104ms/step
>12949, dr[0.723,0.656], df[0.722,0.035], g[0.764,0.018]
1/1 [=====] - 0s 113ms/step
>12950, dr[0.700,0.377], df[0.742,0.017], g[0.747,0.016]
1/1 [=====] - 0s 108ms/step
>12951, dr[0.678,0.730], df[0.790,0.024], g[0.751,0.024]
1/1 [=====] - 0s 103ms/step
>12952, dr[0.702,0.485], df[0.661,0.029], g[0.732,0.016]
1/1 [=====] - 0s 100ms/step
>12953, dr[0.737,0.272], df[0.705,0.023], g[0.699,0.030]
1/1 [=====] - 0s 100ms/step
>12954, dr[0.640,0.561], df[0.744,0.042], g[0.784,0.022]
1/1 [=====] - 0s 111ms/step
>12955, dr[0.723,0.427], df[0.675,0.066], g[0.783,0.021]
1/1 [=====] - 0s 111ms/step
>12956, dr[0.760,0.334], df[0.727,0.023], g[0.713,0.024]
1/1 [=====] - 0s 104ms/step
>12957, dr[0.605,0.385], df[0.646,0.030], g[0.749,0.034]
1/1 [=====] - 0s 102ms/step
>12958, dr[0.695,0.497], df[0.633,0.020], g[0.740,0.021]
1/1 [=====] - 0s 115ms/step
>12959, dr[0.587,0.343], df[0.660,0.028], g[0.814,0.018]
1/1 [=====] - 0s 108ms/step
>12960, dr[0.746,0.453], df[0.744,0.052], g[0.766,0.020]
1/1 [=====] - 0s 113ms/step
>12961, dr[0.661,0.457], df[0.705,0.015], g[0.813,0.018]
1/1 [=====] - 0s 113ms/step
>12962, dr[0.686,0.543], df[0.763,0.006], g[0.802,0.024]
1/1 [=====] - 0s 114ms/step
>12963, dr[0.603,0.473], df[0.714,0.021], g[0.787,0.017]
1/1 [=====] - 0s 110ms/step
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>12964, dr[0.692,0.291], df[0.696,0.008], g[0.830,0.020]
1/1 [=====] - 0s 113ms/step
>12965, dr[0.685,0.630], df[0.717,0.046], g[0.761,0.031]
1/1 [=====] - 0s 108ms/step
>12966, dr[0.720,0.808], df[0.731,0.017], g[0.829,0.017]
1/1 [=====] - 0s 100ms/step
>12967, dr[0.730,0.433], df[0.617,0.031], g[0.813,0.025]
1/1 [=====] - 0s 109ms/step
>12968, dr[0.818,0.509], df[0.671,0.025], g[0.786,0.053]
1/1 [=====] - 0s 99ms/step
>12969, dr[0.691,0.427], df[0.727,0.013], g[0.762,0.021]
1/1 [=====] - 0s 98ms/step
>12970, dr[0.683,0.353], df[0.781,0.013], g[0.749,0.021]
1/1 [=====] - 0s 109ms/step
>12971, dr[0.700,0.367], df[0.764,0.016], g[0.779,0.029]
1/1 [=====] - 0s 122ms/step
>12972, dr[0.631,0.337], df[0.639,0.018], g[0.798,0.026]
1/1 [=====] - 0s 100ms/step
>12973, dr[0.712,0.590], df[0.767,0.015], g[0.761,0.012]
1/1 [=====] - 0s 108ms/step
>12974, dr[0.700,0.463], df[0.665,0.018], g[0.784,0.028]
1/1 [=====] - 0s 115ms/step
>12975, dr[0.801,0.410], df[0.805,0.011], g[0.753,0.025]
1/1 [=====] - 0s 117ms/step
>12976, dr[0.784,0.530], df[0.758,0.022], g[0.773,0.036]
1/1 [=====] - 0s 119ms/step
>12977, dr[0.671,0.714], df[0.731,0.061], g[0.788,0.022]
1/1 [=====] - 0s 139ms/step
>12978, dr[0.770,0.591], df[0.718,0.020], g[0.799,0.015]
1/1 [=====] - 0s 116ms/step
>12979, dr[0.709,0.356], df[0.751,0.027], g[0.840,0.018]
1/1 [=====] - 0s 116ms/step
>12980, dr[0.699,0.843], df[0.691,0.031], g[0.757,0.021]
1/1 [=====] - 0s 107ms/step
>12981, dr[0.662,0.494], df[0.750,0.029], g[0.777,0.029]
1/1 [=====] - 0s 95ms/step
>12982, dr[0.774,0.804], df[0.775,0.019], g[0.809,0.026]
1/1 [=====] - 0s 96ms/step
>12983, dr[0.666,0.581], df[0.735,0.030], g[0.765,0.020]
1/1 [=====] - 0s 98ms/step
>12984, dr[0.770,0.302], df[0.673,0.020], g[0.789,0.033]
1/1 [=====] - 0s 122ms/step
>12985, dr[0.739,0.422], df[0.603,0.039], g[0.789,0.024]
1/1 [=====] - 0s 98ms/step
>12986, dr[0.659,0.686], df[0.721,0.022], g[0.735,0.039]
1/1 [=====] - 0s 102ms/step
>12987, dr[0.680,0.487], df[0.757,0.010], g[0.733,0.024]
1/1 [=====] - 0s 100ms/step
>12988, dr[0.665,0.491], df[0.716,0.012], g[0.714,0.026]
1/1 [=====] - 0s 100ms/step
>12989, dr[0.673,0.476], df[0.689,0.023], g[0.745,0.026]
1/1 [=====] - 0s 102ms/step
>12990, dr[0.729,0.618], df[0.638,0.016], g[0.760,0.043]
1/1 [=====] - 0s 92ms/step
>12991, dr[0.645,0.592], df[0.749,0.047], g[0.775,0.026]
1/1 [=====] - 0s 94ms/step
>12992, dr[0.692,0.407], df[0.749,0.027], g[0.749,0.015]
1/1 [=====] - 0s 98ms/step
>12993, dr[0.630,0.476], df[0.749,0.055], g[0.782,0.019]
1/1 [=====] - 0s 112ms/step
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>12994, dr[0.772,0.702], df[0.720,0.026], g[0.773,0.029]
1/1 [=====] - 0s 111ms/step
>12995, dr[0.666,0.311], df[0.772,0.039], g[0.719,0.028]
1/1 [=====] - 0s 106ms/step
>12996, dr[0.725,0.524], df[0.715,0.037], g[0.806,0.016]
1/1 [=====] - 0s 318ms/step
>12997, dr[0.640,0.480], df[0.682,0.021], g[0.799,0.027]
1/1 [=====] - 0s 138ms/step
>12998, dr[0.650,0.400], df[0.761,0.041], g[0.735,0.040]
1/1 [=====] - 0s 161ms/step
>12999, dr[0.693,0.767], df[0.746,0.014], g[0.792,0.036]
1/1 [=====] - 0s 162ms/step
>13000, dr[0.680,0.509], df[0.662,0.016], g[0.798,0.021]
1/1 [=====] - 0s 121ms/step
>13001, dr[0.628,0.486], df[0.704,0.019], g[0.776,0.017]
1/1 [=====] - 0s 112ms/step
>13002, dr[0.676,0.684], df[0.660,0.029], g[0.786,0.044]
1/1 [=====] - 0s 116ms/step
>13003, dr[0.634,0.724], df[0.780,0.029], g[0.753,0.022]
1/1 [=====] - 0s 162ms/step
>13004, dr[0.745,0.426], df[0.708,0.069], g[0.790,0.024]
1/1 [=====] - 0s 252ms/step
>13005, dr[0.700,0.571], df[0.632,0.047], g[0.811,0.028]
1/1 [=====] - 0s 98ms/step
>13006, dr[0.686,0.407], df[0.658,0.018], g[0.750,0.015]
1/1 [=====] - 0s 96ms/step
>13007, dr[0.606,0.536], df[0.644,0.022], g[0.862,0.025]
1/1 [=====] - 0s 128ms/step
>13008, dr[0.753,0.512], df[0.749,0.022], g[0.768,0.036]
1/1 [=====] - 0s 130ms/step
>13009, dr[0.687,0.655], df[0.679,0.012], g[0.768,0.023]
1/1 [=====] - 0s 145ms/step
>13010, dr[0.647,0.383], df[0.711,0.030], g[0.741,0.029]
1/1 [=====] - 0s 246ms/step
>13011, dr[0.639,0.349], df[0.672,0.021], g[0.767,0.022]
1/1 [=====] - 0s 270ms/step
>13012, dr[0.656,0.408], df[0.704,0.025], g[0.819,0.016]
1/1 [=====] - 0s 110ms/step
>13013, dr[0.666,0.401], df[0.729,0.013], g[0.792,0.034]
1/1 [=====] - 0s 105ms/step
>13014, dr[0.656,0.456], df[0.751,0.023], g[0.835,0.033]
1/1 [=====] - 0s 108ms/step
>13015, dr[0.730,0.435], df[0.664,0.025], g[0.837,0.040]
1/1 [=====] - 0s 111ms/step
>13016, dr[0.643,0.655], df[0.709,0.025], g[0.796,0.028]
1/1 [=====] - 0s 104ms/step
>13017, dr[0.706,0.182], df[0.751,0.029], g[0.782,0.018]
1/1 [=====] - 0s 109ms/step
>13018, dr[0.753,0.457], df[0.691,0.022], g[0.761,0.015]
1/1 [=====] - 0s 104ms/step
>13019, dr[0.690,0.435], df[0.672,0.040], g[0.837,0.033]
1/1 [=====] - 0s 109ms/step
>13020, dr[0.788,0.507], df[0.708,0.014], g[0.837,0.031]
1/1 [=====] - 0s 107ms/step
>13021, dr[0.738,0.706], df[0.676,0.015], g[0.777,0.033]
1/1 [=====] - 0s 111ms/step
>13022, dr[0.745,0.445], df[0.673,0.036], g[0.781,0.017]
1/1 [=====] - 0s 113ms/step
>13023, dr[0.709,0.530], df[0.704,0.038], g[0.752,0.032]
1/1 [=====] - 0s 106ms/step
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>13024, dr[0.737,0.418], df[0.778,0.046], g[0.799,0.020]
1/1 [=====] - 0s 106ms/step
>13025, dr[0.661,0.501], df[0.731,0.018], g[0.700,0.022]
1/1 [=====] - 0s 110ms/step
>13026, dr[0.741,0.399], df[0.777,0.029], g[0.772,0.020]
1/1 [=====] - 0s 117ms/step
>13027, dr[0.719,0.612], df[0.788,0.133], g[0.777,0.014]
1/1 [=====] - 0s 124ms/step
>13028, dr[0.704,0.296], df[0.682,0.013], g[0.789,0.023]
1/1 [=====] - 0s 115ms/step
>13029, dr[0.740,0.379], df[0.691,0.017], g[0.736,0.034]
1/1 [=====] - 0s 115ms/step
>13030, dr[0.657,0.391], df[0.799,0.046], g[0.785,0.017]
1/1 [=====] - 0s 100ms/step
>13031, dr[0.695,0.549], df[0.751,0.035], g[0.772,0.026]
1/1 [=====] - 0s 102ms/step
>13032, dr[0.620,0.460], df[0.680,0.015], g[0.790,0.019]
1/1 [=====] - 0s 118ms/step
>13033, dr[0.808,0.230], df[0.718,0.018], g[0.754,0.027]
1/1 [=====] - 0s 136ms/step
>13034, dr[0.627,0.412], df[0.713,0.030], g[0.806,0.030]
1/1 [=====] - 0s 110ms/step
>13035, dr[0.766,0.490], df[0.768,0.019], g[0.758,0.023]
1/1 [=====] - 0s 97ms/step
>13036, dr[0.708,0.460], df[0.629,0.025], g[0.742,0.014]
1/1 [=====] - 0s 98ms/step
>13037, dr[0.640,0.237], df[0.650,0.053], g[0.758,0.018]
1/1 [=====] - 0s 100ms/step
>13038, dr[0.772,0.498], df[0.701,0.037], g[0.745,0.038]
1/1 [=====] - 0s 106ms/step
>13039, dr[0.627,0.456], df[0.738,0.019], g[0.853,0.019]
1/1 [=====] - 0s 101ms/step
>13040, dr[0.687,0.422], df[0.637,0.021], g[0.791,0.024]
1/1 [=====] - 0s 105ms/step
>13041, dr[0.709,0.406], df[0.685,0.029], g[0.741,0.037]
1/1 [=====] - 0s 101ms/step
>13042, dr[0.641,0.249], df[0.781,0.016], g[0.754,0.033]
1/1 [=====] - 0s 102ms/step
>13043, dr[0.676,0.592], df[0.774,0.034], g[0.807,0.023]
1/1 [=====] - 0s 112ms/step
>13044, dr[0.761,0.392], df[0.762,0.018], g[0.750,0.036]
1/1 [=====] - 0s 100ms/step
>13045, dr[0.708,0.312], df[0.673,0.023], g[0.758,0.024]
1/1 [=====] - 0s 102ms/step
>13046, dr[0.717,0.685], df[0.715,0.018], g[0.795,0.022]
1/1 [=====] - 0s 103ms/step
>13047, dr[0.693,0.386], df[0.709,0.036], g[0.790,0.039]
1/1 [=====] - 0s 106ms/step
>13048, dr[0.751,0.467], df[0.714,0.021], g[0.849,0.011]
1/1 [=====] - 0s 113ms/step
>13049, dr[0.702,0.801], df[0.712,0.020], g[0.802,0.041]
1/1 [=====] - 0s 101ms/step
>13050, dr[0.717,0.452], df[0.629,0.014], g[0.738,0.019]
1/1 [=====] - 0s 107ms/step
>13051, dr[0.635,0.303], df[0.726,0.053], g[0.807,0.012]
1/1 [=====] - 0s 96ms/step
>13052, dr[0.689,0.325], df[0.724,0.019], g[0.743,0.019]
1/1 [=====] - 0s 103ms/step
>13053, dr[0.623,0.559], df[0.618,0.030], g[0.753,0.013]
1/1 [=====] - 0s 108ms/step
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>13054, dr[0.590,0.469], df[0.658,0.063], g[0.843,0.022]
1/1 [=====] - 0s 97ms/step
>13055, dr[0.791,0.419], df[0.668,0.024], g[0.801,0.021]
1/1 [=====] - 0s 99ms/step
>13056, dr[0.678,0.233], df[0.753,0.038], g[0.783,0.042]
1/1 [=====] - 0s 102ms/step
>13057, dr[0.672,0.341], df[0.782,0.022], g[0.783,0.023]
1/1 [=====] - 0s 106ms/step
>13058, dr[0.703,0.569], df[0.596,0.028], g[0.743,0.052]
1/1 [=====] - 0s 108ms/step
>13059, dr[0.733,0.741], df[0.635,0.036], g[0.805,0.025]
1/1 [=====] - 0s 94ms/step
>13060, dr[0.800,0.367], df[0.662,0.036], g[0.821,0.022]
1/1 [=====] - 0s 109ms/step
>13061, dr[0.643,0.501], df[0.770,0.021], g[0.741,0.024]
1/1 [=====] - 0s 100ms/step
>13062, dr[0.641,0.501], df[0.723,0.016], g[0.746,0.012]
1/1 [=====] - 0s 108ms/step
>13063, dr[0.657,0.608], df[0.690,0.015], g[0.778,0.013]
1/1 [=====] - 0s 97ms/step
>13064, dr[0.686,0.594], df[0.630,0.016], g[0.758,0.014]
1/1 [=====] - 0s 105ms/step
>13065, dr[0.647,0.626], df[0.745,0.014], g[0.756,0.017]
1/1 [=====] - 0s 116ms/step
>13066, dr[0.648,0.450], df[0.688,0.021], g[0.807,0.028]
1/1 [=====] - 0s 107ms/step
>13067, dr[0.769,0.616], df[0.752,0.023], g[0.740,0.022]
1/1 [=====] - 0s 114ms/step
>13068, dr[0.676,0.633], df[0.726,0.014], g[0.719,0.030]
1/1 [=====] - 0s 174ms/step
>13069, dr[0.713,0.316], df[0.786,0.022], g[0.747,0.026]
1/1 [=====] - 0s 94ms/step
>13070, dr[0.724,0.592], df[0.654,0.024], g[0.753,0.025]
1/1 [=====] - 0s 115ms/step
>13071, dr[0.672,0.287], df[0.695,0.032], g[0.768,0.013]
1/1 [=====] - 0s 117ms/step
>13072, dr[0.743,0.459], df[0.744,0.015], g[0.770,0.042]
1/1 [=====] - 0s 116ms/step
>13073, dr[0.790,0.522], df[0.765,0.011], g[0.707,0.037]
1/1 [=====] - 0s 113ms/step
>13074, dr[0.630,0.410], df[0.739,0.018], g[0.762,0.019]
1/1 [=====] - 0s 114ms/step
>13075, dr[0.676,0.447], df[0.735,0.042], g[0.845,0.021]
1/1 [=====] - 0s 149ms/step
>13076, dr[0.734,0.556], df[0.690,0.030], g[0.747,0.049]
1/1 [=====] - 0s 105ms/step
>13077, dr[0.717,0.430], df[0.752,0.032], g[0.809,0.018]
1/1 [=====] - 0s 102ms/step
>13078, dr[0.813,0.460], df[0.769,0.024], g[0.752,0.028]
1/1 [=====] - 0s 97ms/step
>13079, dr[0.758,0.640], df[0.769,0.045], g[0.803,0.029]
1/1 [=====] - 0s 110ms/step
>13080, dr[0.767,0.815], df[0.643,0.034], g[0.762,0.039]
1/1 [=====] - 0s 105ms/step
>13081, dr[0.695,0.392], df[0.722,0.031], g[0.703,0.018]
1/1 [=====] - 0s 108ms/step
>13082, dr[0.688,0.495], df[0.715,0.039], g[0.749,0.041]
1/1 [=====] - 0s 103ms/step
>13083, dr[0.701,0.290], df[0.699,0.038], g[0.756,0.032]
1/1 [=====] - 0s 94ms/step
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>13084, dr[0.650,0.585], df[0.735,0.018], g[0.662,0.064]
1/1 [=====] - 0s 98ms/step
>13085, dr[0.727,0.339], df[0.728,0.019], g[0.775,0.043]
1/1 [=====] - 0s 104ms/step
>13086, dr[0.606,0.447], df[0.717,0.018], g[0.760,0.018]
1/1 [=====] - 0s 101ms/step
>13087, dr[0.620,0.370], df[0.723,0.016], g[0.750,0.032]
1/1 [=====] - 0s 98ms/step
>13088, dr[0.681,0.633], df[0.678,0.027], g[0.749,0.027]
1/1 [=====] - 0s 101ms/step
>13089, dr[0.684,0.500], df[0.716,0.017], g[0.746,0.020]
1/1 [=====] - 0s 96ms/step
>13090, dr[0.651,0.259], df[0.714,0.027], g[0.753,0.018]
1/1 [=====] - 0s 110ms/step
>13091, dr[0.698,0.387], df[0.693,0.013], g[0.783,0.036]
1/1 [=====] - 0s 96ms/step
>13092, dr[0.756,0.718], df[0.730,0.019], g[0.776,0.019]
1/1 [=====] - 0s 95ms/step
>13093, dr[0.717,0.252], df[0.645,0.029], g[0.786,0.022]
1/1 [=====] - 0s 101ms/step
>13094, dr[0.803,0.543], df[0.701,0.032], g[0.799,0.022]
1/1 [=====] - 0s 107ms/step
>13095, dr[0.620,0.536], df[0.801,0.054], g[0.741,0.022]
1/1 [=====] - 0s 94ms/step
>13096, dr[0.654,0.365], df[0.672,0.016], g[0.782,0.017]
1/1 [=====] - 0s 98ms/step
>13097, dr[0.638,0.246], df[0.714,0.021], g[0.738,0.024]
1/1 [=====] - 0s 98ms/step
>13098, dr[0.652,0.893], df[0.690,0.022], g[0.794,0.019]
1/1 [=====] - 0s 104ms/step
>13099, dr[0.695,0.411], df[0.681,0.069], g[0.828,0.013]
1/1 [=====] - 0s 111ms/step
>13100, dr[0.724,0.519], df[0.661,0.023], g[0.712,0.026]
1/1 [=====] - 0s 94ms/step
>13101, dr[0.742,0.816], df[0.628,0.031], g[0.751,0.032]
1/1 [=====] - 0s 101ms/step
>13102, dr[0.651,0.395], df[0.694,0.020], g[0.791,0.042]
1/1 [=====] - 0s 100ms/step
>13103, dr[0.729,0.362], df[0.656,0.013], g[0.759,0.018]
1/1 [=====] - 0s 105ms/step
>13104, dr[0.669,0.779], df[0.746,0.019], g[0.727,0.025]
1/1 [=====] - 0s 91ms/step
>13105, dr[0.743,0.373], df[0.923,0.025], g[0.786,0.046]
1/1 [=====] - 0s 91ms/step
>13106, dr[0.646,0.388], df[0.636,0.066], g[0.810,0.027]
1/1 [=====] - 0s 107ms/step
>13107, dr[0.710,0.897], df[0.769,0.031], g[0.758,0.026]
1/1 [=====] - 0s 108ms/step
>13108, dr[0.707,0.561], df[0.650,0.023], g[0.752,0.032]
1/1 [=====] - 0s 99ms/step
>13109, dr[0.706,0.470], df[0.758,0.032], g[0.755,0.039]
1/1 [=====] - 0s 93ms/step
>13110, dr[0.657,0.569], df[0.691,0.033], g[0.752,0.021]
1/1 [=====] - 0s 105ms/step
>13111, dr[0.713,0.777], df[0.732,0.036], g[0.777,0.035]
1/1 [=====] - 0s 108ms/step
>13112, dr[0.643,0.422], df[0.795,0.027], g[0.770,0.019]
1/1 [=====] - 0s 137ms/step
>13113, dr[0.705,0.533], df[0.637,0.031], g[0.799,0.046]
1/1 [=====] - 0s 125ms/step
```

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>13114, dr[0.732,0.559], df[0.790,0.030], g[0.813,0.016]
1/1 [=====] - 0s 98ms/step
>13115, dr[0.734,0.737], df[0.730,0.016], g[0.779,0.021]
1/1 [=====] - 0s 100ms/step
>13116, dr[0.669,0.618], df[0.787,0.022], g[0.778,0.017]
1/1 [=====] - 0s 108ms/step
>13117, dr[0.661,0.272], df[0.661,0.016], g[0.800,0.017]
1/1 [=====] - 0s 109ms/step
>13118, dr[0.677,0.397], df[0.663,0.030], g[0.849,0.021]
1/1 [=====] - 0s 62ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_13118.png and model_13118.h5
1/1 [=====] - 0s 109ms/step
>13119, dr[0.720,0.415], df[0.666,0.022], g[0.765,0.025]
1/1 [=====] - 0s 93ms/step
>13120, dr[0.804,0.426], df[0.762,0.029], g[0.744,0.020]
1/1 [=====] - 0s 115ms/step
>13121, dr[0.740,0.576], df[0.716,0.015], g[0.759,0.029]
1/1 [=====] - 0s 124ms/step
>13122, dr[0.676,0.242], df[0.625,0.024], g[0.829,0.027]
1/1 [=====] - 0s 93ms/step
>13123, dr[0.660,0.215], df[0.712,0.035], g[0.816,0.027]
1/1 [=====] - 0s 116ms/step
>13124, dr[0.749,0.692], df[0.699,0.030], g[0.777,0.022]
1/1 [=====] - 0s 170ms/step
>13125, dr[0.778,0.328], df[0.683,0.019], g[0.709,0.033]
1/1 [=====] - 0s 130ms/step
>13126, dr[0.709,0.266], df[0.695,0.031], g[0.759,0.024]
1/1 [=====] - 0s 99ms/step
>13127, dr[0.714,0.525], df[0.718,0.042], g[0.711,0.024]
1/1 [=====] - 0s 108ms/step
>13128, dr[0.618,0.373], df[0.724,0.040], g[0.743,0.035]
1/1 [=====] - 0s 134ms/step
>13129, dr[0.702,0.566], df[0.753,0.033], g[0.746,0.036]
1/1 [=====] - 0s 105ms/step
>13130, dr[0.684,0.519], df[0.774,0.025], g[0.732,0.047]
1/1 [=====] - 0s 103ms/step
>13131, dr[0.694,0.411], df[0.785,0.022], g[0.827,0.018]
1/1 [=====] - 0s 106ms/step
>13132, dr[0.663,0.413], df[0.678,0.050], g[0.829,0.031]
1/1 [=====] - 0s 141ms/step
>13133, dr[0.724,0.791], df[0.641,0.018], g[0.774,0.037]
1/1 [=====] - 0s 113ms/step
>13134, dr[0.740,0.856], df[0.745,0.020], g[0.770,0.034]
1/1 [=====] - 0s 104ms/step
>13135, dr[0.766,0.266], df[0.771,0.019], g[0.761,0.023]
1/1 [=====] - 0s 94ms/step
>13136, dr[0.705,0.220], df[0.713,0.013], g[0.737,0.017]
1/1 [=====] - 0s 105ms/step
>13137, dr[0.693,0.515], df[0.639,0.022], g[0.765,0.020]
1/1 [=====] - 0s 104ms/step
>13138, dr[0.733,0.447], df[0.614,0.022], g[0.731,0.038]
1/1 [=====] - 0s 110ms/step
>13139, dr[0.705,0.476], df[0.686,0.030], g[0.763,0.022]
1/1 [=====] - 0s 97ms/step
>13140, dr[0.644,0.325], df[0.747,0.029], g[0.745,0.028]
1/1 [=====] - 0s 100ms/step
>13141, dr[0.688,0.908], df[0.640,0.021], g[0.750,0.021]
1/1 [=====] - 0s 93ms/step
```

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>13142, dr[0.635,0.339], df[0.670,0.018], g[0.766,0.024]
1/1 [=====] - 0s 101ms/step
>13143, dr[0.648,0.553], df[0.723,0.011], g[0.784,0.043]
1/1 [=====] - 0s 95ms/step
>13144, dr[0.627,0.308], df[0.707,0.020], g[0.745,0.028]
1/1 [=====] - 0s 105ms/step
>13145, dr[0.654,0.422], df[0.745,0.014], g[0.785,0.030]
1/1 [=====] - 0s 97ms/step
>13146, dr[0.728,0.812], df[0.649,0.030], g[0.794,0.023]
1/1 [=====] - 0s 100ms/step
>13147, dr[0.692,0.233], df[0.706,0.017], g[0.789,0.015]
1/1 [=====] - 0s 108ms/step
>13148, dr[0.750,0.432], df[0.711,0.016], g[0.756,0.024]
1/1 [=====] - 0s 96ms/step
>13149, dr[0.614,0.598], df[0.720,0.018], g[0.791,0.033]
1/1 [=====] - 0s 92ms/step
>13150, dr[0.685,0.470], df[0.659,0.022], g[0.779,0.028]
1/1 [=====] - 0s 111ms/step
>13151, dr[0.633,0.638], df[0.770,0.010], g[0.788,0.023]
1/1 [=====] - 0s 97ms/step
>13152, dr[0.701,0.505], df[0.712,0.008], g[0.766,0.026]
1/1 [=====] - 0s 106ms/step
>13153, dr[0.673,0.377], df[0.689,0.015], g[0.806,0.013]
1/1 [=====] - 0s 117ms/step
>13154, dr[0.641,0.393], df[0.667,0.022], g[0.846,0.024]
1/1 [=====] - 0s 128ms/step
>13155, dr[0.742,0.598], df[0.694,0.022], g[0.804,0.025]
1/1 [=====] - 0s 125ms/step
>13156, dr[0.713,0.491], df[0.726,0.011], g[0.804,0.015]
1/1 [=====] - 0s 123ms/step
>13157, dr[0.668,0.552], df[0.651,0.020], g[0.798,0.018]
1/1 [=====] - 0s 143ms/step
>13158, dr[0.692,0.343], df[0.742,0.029], g[0.807,0.041]
1/1 [=====] - 0s 90ms/step
>13159, dr[0.683,0.391], df[0.678,0.016], g[0.786,0.022]
1/1 [=====] - 0s 104ms/step
>13160, dr[0.739,0.484], df[0.715,0.026], g[0.798,0.022]
1/1 [=====] - 0s 116ms/step
>13161, dr[0.693,0.294], df[0.649,0.025], g[0.846,0.021]
1/1 [=====] - 0s 107ms/step
>13162, dr[0.771,0.372], df[0.708,0.013], g[0.803,0.035]
1/1 [=====] - 0s 107ms/step
>13163, dr[0.652,0.513], df[0.808,0.047], g[0.806,0.040]
1/1 [=====] - 0s 115ms/step
>13164, dr[0.679,0.368], df[0.739,0.027], g[0.752,0.026]
1/1 [=====] - 0s 105ms/step
>13165, dr[0.614,0.406], df[0.672,0.012], g[0.758,0.018]
1/1 [=====] - 0s 98ms/step
>13166, dr[0.730,1.208], df[0.712,0.027], g[0.789,0.019]
1/1 [=====] - 0s 94ms/step
>13167, dr[0.670,0.506], df[0.685,0.037], g[0.779,0.019]
1/1 [=====] - 0s 98ms/step
>13168, dr[0.802,0.828], df[0.678,0.022], g[0.765,0.018]
1/1 [=====] - 0s 117ms/step
>13169, dr[0.660,0.495], df[0.670,0.015], g[0.763,0.019]
1/1 [=====] - 0s 292ms/step
>13170, dr[0.673,0.562], df[0.731,0.020], g[0.773,0.019]
1/1 [=====] - 0s 100ms/step
>13171, dr[0.732,0.550], df[0.684,0.014], g[0.841,0.031]
1/1 [=====] - 0s 124ms/step
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>13172, dr[0.734,0.559], df[0.669,0.024], g[0.801,0.017]
1/1 [=====] - 0s 153ms/step
>13173, dr[0.698,0.586], df[0.667,0.013], g[0.734,0.024]
1/1 [=====] - 0s 121ms/step
>13174, dr[0.655,0.522], df[0.749,0.016], g[0.749,0.022]
1/1 [=====] - 0s 110ms/step
>13175, dr[0.694,0.375], df[0.733,0.016], g[0.802,0.015]
1/1 [=====] - 0s 117ms/step
>13176, dr[0.729,0.466], df[0.707,0.021], g[0.748,0.015]
1/1 [=====] - 0s 99ms/step
>13177, dr[0.762,0.317], df[0.667,0.023], g[0.709,0.034]
1/1 [=====] - 0s 99ms/step
>13178, dr[0.657,0.868], df[0.736,0.014], g[0.701,0.025]
1/1 [=====] - 0s 101ms/step
>13179, dr[0.624,0.252], df[0.768,0.035], g[0.721,0.053]
1/1 [=====] - 0s 103ms/step
>13180, dr[0.681,0.490], df[0.713,0.021], g[0.800,0.018]
1/1 [=====] - 0s 99ms/step
>13181, dr[0.653,0.406], df[0.718,0.013], g[0.755,0.025]
1/1 [=====] - 0s 96ms/step
>13182, dr[0.700,0.629], df[0.734,0.025], g[0.751,0.029]
1/1 [=====] - 0s 102ms/step
>13183, dr[0.611,0.215], df[0.731,0.032], g[0.776,0.026]
1/1 [=====] - 0s 99ms/step
>13184, dr[0.656,0.357], df[0.733,0.015], g[0.779,0.021]
1/1 [=====] - 0s 103ms/step
>13185, dr[0.777,0.488], df[0.757,0.020], g[0.809,0.018]
1/1 [=====] - 0s 97ms/step
>13186, dr[0.727,0.342], df[0.693,0.013], g[0.794,0.029]
1/1 [=====] - 0s 95ms/step
>13187, dr[0.733,0.390], df[0.680,0.018], g[0.779,0.027]
1/1 [=====] - 0s 98ms/step
>13188, dr[0.717,0.568], df[0.614,0.020], g[0.763,0.028]
1/1 [=====] - 0s 107ms/step
>13189, dr[0.768,0.565], df[0.690,0.027], g[0.825,0.014]
1/1 [=====] - 0s 93ms/step
>13190, dr[0.625,0.459], df[0.789,0.032], g[0.764,0.041]
1/1 [=====] - 0s 99ms/step
>13191, dr[0.695,0.539], df[0.822,0.023], g[0.746,0.059]
1/1 [=====] - 0s 114ms/step
>13192, dr[0.700,0.500], df[0.665,0.013], g[0.790,0.024]
1/1 [=====] - 0s 101ms/step
>13193, dr[0.728,0.322], df[0.740,0.041], g[0.750,0.021]
1/1 [=====] - 0s 106ms/step
>13194, dr[0.741,0.719], df[0.676,0.018], g[0.785,0.016]
1/1 [=====] - 0s 99ms/step
>13195, dr[0.671,0.713], df[0.716,0.036], g[0.751,0.024]
1/1 [=====] - 0s 98ms/step
>13196, dr[0.743,0.332], df[0.693,0.055], g[0.769,0.025]
1/1 [=====] - 0s 98ms/step
>13197, dr[0.713,0.550], df[0.706,0.031], g[0.804,0.019]
1/1 [=====] - 0s 110ms/step
>13198, dr[0.760,0.576], df[0.714,0.032], g[0.786,0.043]
1/1 [=====] - 0s 98ms/step
>13199, dr[0.658,0.445], df[0.721,0.028], g[0.798,0.020]
1/1 [=====] - 0s 94ms/step
>13200, dr[0.701,0.234], df[0.760,0.028], g[0.799,0.020]
1/1 [=====] - 0s 104ms/step
>13201, dr[0.730,0.567], df[0.705,0.033], g[0.767,0.036]
1/1 [=====] - 0s 104ms/step
```

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>13202, dr[0.664,0.847], df[0.766,0.018], g[0.744,0.047]
1/1 [=====] - 0s 120ms/step
>13203, dr[0.712,0.226], df[0.703,0.029], g[0.821,0.023]
1/1 [=====] - 0s 101ms/step
>13204, dr[0.682,0.509], df[0.663,0.019], g[0.760,0.021]
1/1 [=====] - 0s 105ms/step
>13205, dr[0.754,0.833], df[0.682,0.024], g[0.726,0.027]
1/1 [=====] - 0s 101ms/step
>13206, dr[0.710,0.291], df[0.712,0.014], g[0.767,0.017]
1/1 [=====] - 0s 110ms/step
>13207, dr[0.736,0.769], df[0.738,0.021], g[0.764,0.021]
1/1 [=====] - 0s 95ms/step
>13208, dr[0.664,0.387], df[0.643,0.037], g[0.739,0.027]
1/1 [=====] - 0s 101ms/step
>13209, dr[0.666,0.657], df[0.736,0.014], g[0.796,0.012]
1/1 [=====] - 0s 100ms/step
>13210, dr[0.686,0.212], df[0.683,0.017], g[0.700,0.028]
1/1 [=====] - 0s 108ms/step
>13211, dr[0.737,0.856], df[0.770,0.021], g[0.724,0.032]
1/1 [=====] - 0s 103ms/step
>13212, dr[0.681,0.554], df[0.682,0.031], g[0.794,0.022]
1/1 [=====] - 0s 103ms/step
>13213, dr[0.663,0.571], df[0.678,0.025], g[0.690,0.025]
1/1 [=====] - 0s 107ms/step
>13214, dr[0.721,0.566], df[0.832,0.018], g[0.708,0.041]
1/1 [=====] - 0s 105ms/step
>13215, dr[0.690,0.477], df[0.748,0.026], g[0.774,0.024]
1/1 [=====] - 0s 97ms/step
>13216, dr[0.736,0.313], df[0.731,0.034], g[0.728,0.027]
1/1 [=====] - 0s 108ms/step
>13217, dr[0.660,0.286], df[0.658,0.103], g[0.792,0.039]
1/1 [=====] - 0s 149ms/step
>13218, dr[0.637,0.271], df[0.767,0.022], g[0.722,0.017]
1/1 [=====] - 0s 115ms/step
>13219, dr[0.696,0.472], df[0.824,0.027], g[0.781,0.022]
1/1 [=====] - 0s 99ms/step
>13220, dr[0.706,0.463], df[0.681,0.032], g[0.818,0.035]
1/1 [=====] - 0s 107ms/step
>13221, dr[0.688,0.427], df[0.731,0.047], g[0.799,0.018]
1/1 [=====] - 0s 97ms/step
>13222, dr[0.783,0.687], df[0.722,0.015], g[0.796,0.022]
1/1 [=====] - 0s 98ms/step
>13223, dr[0.757,0.558], df[0.772,0.054], g[0.781,0.014]
1/1 [=====] - 0s 127ms/step
>13224, dr[0.780,0.260], df[0.690,0.051], g[0.737,0.012]
1/1 [=====] - 0s 116ms/step
>13225, dr[0.639,0.641], df[0.726,0.018], g[0.786,0.020]
1/1 [=====] - 0s 133ms/step
>13226, dr[0.650,0.325], df[0.718,0.031], g[0.789,0.034]
1/1 [=====] - 0s 132ms/step
>13227, dr[0.689,0.446], df[0.660,0.030], g[0.785,0.013]
1/1 [=====] - 0s 124ms/step
>13228, dr[0.694,0.645], df[0.681,0.029], g[0.742,0.025]
1/1 [=====] - 0s 122ms/step
>13229, dr[0.710,0.728], df[0.743,0.015], g[0.774,0.027]
1/1 [=====] - 0s 131ms/step
>13230, dr[0.687,0.620], df[0.717,0.034], g[0.789,0.029]
1/1 [=====] - 0s 116ms/step
>13231, dr[0.603,0.269], df[0.769,0.032], g[0.848,0.025]
1/1 [=====] - 0s 104ms/step
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>13232, dr[0.720,0.493], df[0.728,0.018], g[0.771,0.032]
1/1 [=====] - 0s 102ms/step
>13233, dr[0.723,0.502], df[0.657,0.078], g[0.815,0.030]
1/1 [=====] - 0s 103ms/step
>13234, dr[0.689,0.380], df[0.731,0.015], g[0.782,0.024]
1/1 [=====] - 0s 113ms/step
>13235, dr[0.693,0.309], df[0.700,0.026], g[0.782,0.019]
1/1 [=====] - 0s 102ms/step
>13236, dr[0.692,0.327], df[0.689,0.026], g[0.830,0.022]
1/1 [=====] - 0s 105ms/step
>13237, dr[0.723,0.484], df[0.691,0.011], g[0.793,0.020]
1/1 [=====] - 0s 99ms/step
>13238, dr[0.687,0.593], df[0.723,0.027], g[0.779,0.023]
1/1 [=====] - 0s 102ms/step
>13239, dr[0.705,0.252], df[0.603,0.044], g[0.766,0.033]
1/1 [=====] - 0s 108ms/step
>13240, dr[0.745,0.477], df[0.683,0.017], g[0.732,0.018]
1/1 [=====] - 0s 110ms/step
>13241, dr[0.706,0.239], df[0.741,0.013], g[0.718,0.033]
1/1 [=====] - 0s 99ms/step
>13242, dr[0.667,0.452], df[0.641,0.011], g[0.780,0.029]
1/1 [=====] - 0s 111ms/step
>13243, dr[0.739,0.506], df[0.776,0.035], g[0.783,0.015]
1/1 [=====] - 0s 108ms/step
>13244, dr[0.624,0.381], df[0.674,0.015], g[0.714,0.034]
1/1 [=====] - 0s 106ms/step
>13245, dr[0.718,0.269], df[0.686,0.022], g[0.815,0.018]
1/1 [=====] - 0s 97ms/step
>13246, dr[0.679,0.411], df[0.728,0.014], g[0.741,0.035]
1/1 [=====] - 0s 97ms/step
>13247, dr[0.676,0.414], df[0.794,0.020], g[0.819,0.054]
1/1 [=====] - 0s 103ms/step
>13248, dr[0.642,0.342], df[0.739,0.028], g[0.849,0.034]
1/1 [=====] - 0s 112ms/step
>13249, dr[0.616,0.337], df[0.746,0.033], g[0.791,0.025]
1/1 [=====] - 0s 99ms/step
>13250, dr[0.704,0.430], df[0.653,0.020], g[0.823,0.016]
1/1 [=====] - 0s 99ms/step
>13251, dr[0.652,0.887], df[0.705,0.016], g[0.852,0.030]
1/1 [=====] - 0s 99ms/step
>13252, dr[0.649,0.237], df[0.666,0.024], g[0.805,0.018]
1/1 [=====] - 0s 104ms/step
>13253, dr[0.770,0.694], df[0.641,0.011], g[0.828,0.036]
1/1 [=====] - 0s 112ms/step
>13254, dr[0.733,0.350], df[0.624,0.028], g[0.817,0.022]
1/1 [=====] - 0s 99ms/step
>13255, dr[0.768,0.867], df[0.699,0.038], g[0.752,0.033]
1/1 [=====] - 0s 103ms/step
>13256, dr[0.632,0.270], df[0.727,0.019], g[0.740,0.015]
1/1 [=====] - 0s 103ms/step
>13257, dr[0.616,0.436], df[0.643,0.023], g[0.783,0.024]
1/1 [=====] - 0s 118ms/step
>13258, dr[0.628,0.288], df[0.655,0.012], g[0.711,0.026]
1/1 [=====] - 0s 111ms/step
>13259, dr[0.685,0.440], df[0.675,0.011], g[0.756,0.036]
1/1 [=====] - 0s 103ms/step
>13260, dr[0.757,0.406], df[0.651,0.030], g[0.757,0.024]
1/1 [=====] - 0s 116ms/step
>13261, dr[0.706,0.219], df[0.744,0.009], g[0.717,0.027]
1/1 [=====] - 0s 99ms/step
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>13262, dr[0.646,0.479], df[0.700,0.032], g[0.748,0.027]
1/1 [=====] - 0s 105ms/step
>13263, dr[0.752,0.665], df[0.796,0.046], g[0.789,0.012]
1/1 [=====] - 0s 110ms/step
>13264, dr[0.676,0.508], df[0.640,0.022], g[0.743,0.032]
1/1 [=====] - 0s 101ms/step
>13265, dr[0.675,0.347], df[0.702,0.024], g[0.778,0.020]
1/1 [=====] - 0s 98ms/step
>13266, dr[0.696,0.342], df[0.703,0.032], g[0.813,0.036]
1/1 [=====] - 0s 103ms/step
>13267, dr[0.684,0.648], df[0.668,0.028], g[0.760,0.021]
1/1 [=====] - 0s 112ms/step
>13268, dr[0.669,0.526], df[0.670,0.013], g[0.726,0.020]
1/1 [=====] - 0s 101ms/step
>13269, dr[0.651,0.719], df[0.653,0.017], g[0.795,0.018]
1/1 [=====] - 0s 107ms/step
>13270, dr[0.760,0.360], df[0.690,0.015], g[0.799,0.024]
1/1 [=====] - 0s 103ms/step
>13271, dr[0.736,0.298], df[0.665,0.027], g[0.766,0.017]
1/1 [=====] - 0s 99ms/step
>13272, dr[0.674,0.372], df[0.676,0.021], g[0.688,0.017]
1/1 [=====] - 0s 128ms/step
>13273, dr[0.624,0.394], df[0.664,0.018], g[0.780,0.017]
1/1 [=====] - 0s 130ms/step
>13274, dr[0.705,0.448], df[0.691,0.018], g[0.783,0.061]
1/1 [=====] - 0s 109ms/step
>13275, dr[0.720,0.533], df[0.710,0.019], g[0.787,0.041]
1/1 [=====] - 0s 115ms/step
>13276, dr[0.640,0.458], df[0.679,0.015], g[0.813,0.023]
1/1 [=====] - 0s 121ms/step
>13277, dr[0.658,0.422], df[0.685,0.014], g[0.750,0.015]
1/1 [=====] - 0s 108ms/step
>13278, dr[0.676,0.594], df[0.702,0.022], g[0.803,0.016]
1/1 [=====] - 0s 108ms/step
>13279, dr[0.708,0.782], df[0.749,0.016], g[0.750,0.028]
1/1 [=====] - 0s 111ms/step
>13280, dr[0.627,0.459], df[0.727,0.024], g[0.736,0.051]
1/1 [=====] - 0s 112ms/step
>13281, dr[0.625,0.488], df[0.669,0.020], g[0.806,0.027]
1/1 [=====] - 0s 122ms/step
>13282, dr[0.754,0.217], df[0.640,0.017], g[0.818,0.015]
1/1 [=====] - 0s 159ms/step
>13283, dr[0.702,0.390], df[0.761,0.015], g[0.824,0.031]
1/1 [=====] - 0s 160ms/step
>13284, dr[0.704,0.398], df[0.712,0.023], g[0.770,0.040]
1/1 [=====] - 0s 155ms/step
>13285, dr[0.706,0.514], df[0.645,0.029], g[0.773,0.025]
1/1 [=====] - 0s 95ms/step
>13286, dr[0.654,0.713], df[0.701,0.015], g[0.772,0.020]
1/1 [=====] - 0s 120ms/step
>13287, dr[0.702,0.244], df[0.718,0.034], g[0.741,0.024]
1/1 [=====] - 0s 99ms/step
>13288, dr[0.597,0.555], df[0.666,0.018], g[0.779,0.025]
1/1 [=====] - 0s 91ms/step
>13289, dr[0.655,0.245], df[0.761,0.025], g[0.726,0.028]
1/1 [=====] - 0s 93ms/step
>13290, dr[0.758,0.434], df[0.680,0.008], g[0.746,0.026]
1/1 [=====] - 0s 97ms/step
>13291, dr[0.614,0.467], df[0.723,0.019], g[0.811,0.022]
1/1 [=====] - 0s 92ms/step
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>13292, dr[0.711,0.343], df[0.699,0.020], g[0.824,0.019]
1/1 [=====] - 0s 100ms/step
>13293, dr[0.683,0.379], df[0.722,0.015], g[0.878,0.016]
1/1 [=====] - 0s 94ms/step
>13294, dr[0.677,0.436], df[0.718,0.020], g[0.826,0.025]
1/1 [=====] - 0s 94ms/step
>13295, dr[0.739,0.428], df[0.779,0.018], g[0.774,0.019]
1/1 [=====] - 1s 857ms/step
>13296, dr[0.660,0.201], df[0.684,0.008], g[0.807,0.014]
1/1 [=====] - 1s 907ms/step
>13297, dr[0.683,0.611], df[0.722,0.021], g[0.786,0.016]
1/1 [=====] - 1s 903ms/step
>13298, dr[0.572,0.641], df[0.750,0.033], g[0.771,0.016]
1/1 [=====] - 0s 109ms/step
>13299, dr[0.659,0.374], df[0.736,0.052], g[0.752,0.016]
1/1 [=====] - 0s 106ms/step
>13300, dr[0.715,0.593], df[0.690,0.020], g[0.804,0.026]
1/1 [=====] - 0s 106ms/step
>13301, dr[0.766,0.291], df[0.687,0.016], g[0.831,0.016]
1/1 [=====] - 0s 110ms/step
>13302, dr[0.689,0.582], df[0.713,0.024], g[0.814,0.037]
1/1 [=====] - 0s 124ms/step
>13303, dr[0.731,0.358], df[0.660,0.022], g[0.733,0.029]
1/1 [=====] - 0s 112ms/step
>13304, dr[0.767,0.324], df[0.730,0.041], g[0.754,0.043]
1/1 [=====] - 0s 104ms/step
>13305, dr[0.765,0.433], df[0.732,0.017], g[0.768,0.028]
1/1 [=====] - 0s 100ms/step
>13306, dr[0.674,0.193], df[0.701,0.038], g[0.860,0.025]
1/1 [=====] - 0s 100ms/step
>13307, dr[0.720,0.444], df[0.690,0.014], g[0.760,0.020]
1/1 [=====] - 0s 100ms/step
>13308, dr[0.716,0.459], df[0.694,0.032], g[0.781,0.025]
1/1 [=====] - 0s 90ms/step
>13309, dr[0.585,0.636], df[0.728,0.066], g[0.733,0.027]
1/1 [=====] - 0s 97ms/step
>13310, dr[0.727,0.518], df[0.717,0.022], g[0.770,0.032]
1/1 [=====] - 0s 102ms/step
>13311, dr[0.658,0.337], df[0.640,0.010], g[0.753,0.015]
1/1 [=====] - 0s 103ms/step
>13312, dr[0.712,0.500], df[0.659,0.012], g[0.756,0.025]
1/1 [=====] - 0s 94ms/step
>13313, dr[0.707,0.227], df[0.744,0.012], g[0.768,0.019]
1/1 [=====] - 0s 94ms/step
>13314, dr[0.731,0.290], df[0.719,0.017], g[0.745,0.026]
1/1 [=====] - 0s 100ms/step
>13315, dr[0.794,0.391], df[0.758,0.047], g[0.742,0.018]
1/1 [=====] - 0s 102ms/step
>13316, dr[0.603,0.595], df[0.718,0.031], g[0.771,0.023]
1/1 [=====] - 0s 94ms/step
>13317, dr[0.639,0.511], df[0.693,0.027], g[0.787,0.024]
1/1 [=====] - 0s 96ms/step
>13318, dr[0.721,0.560], df[0.707,0.029], g[0.748,0.023]
1/1 [=====] - 0s 92ms/step
>13319, dr[0.769,0.591], df[0.829,0.027], g[0.780,0.029]
1/1 [=====] - 0s 101ms/step
>13320, dr[0.732,0.554], df[0.784,0.027], g[0.754,0.021]
1/1 [=====] - 0s 100ms/step
>13321, dr[0.686,0.371], df[0.663,0.032], g[0.750,0.030]
1/1 [=====] - 0s 95ms/step
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>13322, dr[0.729,0.750], df[0.713,0.036], g[0.773,0.013]
1/1 [=====] - 0s 97ms/step
>13323, dr[0.776,0.437], df[0.733,0.020], g[0.739,0.036]
1/1 [=====] - 0s 98ms/step
>13324, dr[0.726,0.380], df[0.716,0.030], g[0.765,0.028]
1/1 [=====] - 0s 107ms/step
>13325, dr[0.682,0.418], df[0.718,0.043], g[0.785,0.027]
1/1 [=====] - 0s 97ms/step
>13326, dr[0.679,0.287], df[0.702,0.018], g[0.737,0.035]
1/1 [=====] - 0s 101ms/step
>13327, dr[0.717,0.347], df[0.754,0.028], g[0.750,0.037]
1/1 [=====] - 0s 98ms/step
>13328, dr[0.657,0.479], df[0.733,0.017], g[0.733,0.023]
1/1 [=====] - 0s 104ms/step
>13329, dr[0.652,0.699], df[0.636,0.023], g[0.907,0.020]
1/1 [=====] - 0s 92ms/step
>13330, dr[0.711,0.528], df[0.704,0.016], g[0.758,0.034]
1/1 [=====] - 0s 97ms/step
>13331, dr[0.803,0.552], df[0.710,0.021], g[0.770,0.021]
1/1 [=====] - 0s 95ms/step
>13332, dr[0.700,0.637], df[0.709,0.014], g[0.714,0.036]
1/1 [=====] - 0s 127ms/step
>13333, dr[0.703,0.457], df[0.740,0.053], g[0.739,0.016]
1/1 [=====] - 0s 101ms/step
>13334, dr[0.720,0.589], df[0.744,0.024], g[0.710,0.029]
1/1 [=====] - 0s 107ms/step
>13335, dr[0.723,0.459], df[0.741,0.020], g[0.772,0.015]
1/1 [=====] - 0s 115ms/step
>13336, dr[0.652,0.494], df[0.736,0.019], g[0.736,0.022]
1/1 [=====] - 0s 119ms/step
>13337, dr[0.699,0.507], df[0.726,0.019], g[0.755,0.015]
1/1 [=====] - 0s 110ms/step
>13338, dr[0.706,0.518], df[0.669,0.027], g[0.819,0.023]
1/1 [=====] - 0s 108ms/step
>13339, dr[0.674,0.896], df[0.757,0.019], g[0.694,0.029]
1/1 [=====] - 0s 117ms/step
>13340, dr[0.684,0.359], df[0.662,0.029], g[0.849,0.052]
1/1 [=====] - 0s 102ms/step
>13341, dr[0.629,0.495], df[0.780,0.020], g[0.809,0.021]
1/1 [=====] - 0s 105ms/step
>13342, dr[0.732,0.439], df[0.758,0.041], g[0.806,0.022]
1/1 [=====] - 0s 100ms/step
>13343, dr[0.772,0.573], df[0.649,0.012], g[0.720,0.026]
1/1 [=====] - 0s 98ms/step
>13344, dr[0.736,0.471], df[0.765,0.023], g[0.766,0.035]
1/1 [=====] - 0s 107ms/step
>13345, dr[0.672,0.442], df[0.770,0.023], g[0.758,0.033]
1/1 [=====] - 0s 97ms/step
>13346, dr[0.729,0.180], df[0.745,0.010], g[0.780,0.017]
1/1 [=====] - 0s 97ms/step
>13347, dr[0.653,0.517], df[0.661,0.016], g[0.823,0.021]
1/1 [=====] - 0s 97ms/step
>13348, dr[0.667,0.492], df[0.734,0.035], g[0.744,0.026]
1/1 [=====] - 0s 112ms/step
>13349, dr[0.644,0.456], df[0.753,0.020], g[0.772,0.024]
1/1 [=====] - 0s 94ms/step
>13350, dr[0.699,0.335], df[0.704,0.024], g[0.818,0.032]
1/1 [=====] - 0s 95ms/step
>13351, dr[0.752,0.396], df[0.709,0.022], g[0.776,0.023]
1/1 [=====] - 0s 97ms/step
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>13352, dr[0.727,0.614], df[0.643,0.012], g[0.746,0.021]
1/1 [=====] - 0s 115ms/step
>13353, dr[0.766,0.517], df[0.765,0.037], g[0.822,0.022]
1/1 [=====] - 0s 97ms/step
>13354, dr[0.724,0.313], df[0.765,0.009], g[0.827,0.023]
1/1 [=====] - 0s 104ms/step
>13355, dr[0.695,0.294], df[0.767,0.024], g[0.765,0.023]
1/1 [=====] - 0s 96ms/step
>13356, dr[0.684,0.696], df[0.677,0.021], g[0.832,0.013]
1/1 [=====] - 0s 104ms/step
>13357, dr[0.829,0.572], df[0.654,0.024], g[0.760,0.028]
1/1 [=====] - 0s 95ms/step
>13358, dr[0.737,0.454], df[0.766,0.024], g[0.767,0.023]
1/1 [=====] - 0s 99ms/step
>13359, dr[0.674,0.243], df[0.781,0.028], g[0.780,0.022]
1/1 [=====] - 0s 94ms/step
>13360, dr[0.682,0.402], df[0.724,0.039], g[0.770,0.012]
1/1 [=====] - 0s 99ms/step
>13361, dr[0.761,0.430], df[0.753,0.028], g[0.729,0.037]
1/1 [=====] - 0s 112ms/step
>13362, dr[0.735,0.649], df[0.701,0.013], g[0.759,0.034]
1/1 [=====] - 0s 96ms/step
>13363, dr[0.742,0.493], df[0.718,0.014], g[0.732,0.022]
1/1 [=====] - 0s 101ms/step
>13364, dr[0.716,0.393], df[0.775,0.033], g[0.722,0.033]
1/1 [=====] - 0s 97ms/step
>13365, dr[0.678,0.259], df[0.637,0.036], g[0.714,0.015]
1/1 [=====] - 0s 103ms/step
>13366, dr[0.707,0.668], df[0.713,0.025], g[0.758,0.027]
1/1 [=====] - 0s 105ms/step
>13367, dr[0.663,0.500], df[0.706,0.040], g[0.836,0.031]
1/1 [=====] - 0s 98ms/step
>13368, dr[0.735,0.212], df[0.717,0.034], g[0.807,0.025]
1/1 [=====] - 0s 94ms/step
>13369, dr[0.674,0.271], df[0.719,0.019], g[0.744,0.042]
1/1 [=====] - 0s 101ms/step
>13370, dr[0.747,0.561], df[0.725,0.028], g[0.775,0.017]
1/1 [=====] - 0s 110ms/step
>13371, dr[0.703,0.619], df[0.772,0.026], g[0.706,0.039]
1/1 [=====] - 0s 103ms/step
>13372, dr[0.742,0.632], df[0.752,0.055], g[0.786,0.021]
1/1 [=====] - 0s 98ms/step
>13373, dr[0.677,0.417], df[0.743,0.029], g[0.769,0.027]
1/1 [=====] - 0s 111ms/step
>13374, dr[0.702,0.408], df[0.738,0.058], g[0.754,0.031]
1/1 [=====] - 0s 117ms/step
>13375, dr[0.676,0.221], df[0.617,0.020], g[0.729,0.042]
1/1 [=====] - 0s 106ms/step
>13376, dr[0.695,0.438], df[0.704,0.024], g[0.742,0.025]
1/1 [=====] - 0s 110ms/step
>13377, dr[0.664,0.567], df[0.744,0.013], g[0.774,0.013]
1/1 [=====] - 0s 96ms/step
>13378, dr[0.683,0.393], df[0.771,0.035], g[0.752,0.022]
1/1 [=====] - 0s 98ms/step
>13379, dr[0.668,0.525], df[0.675,0.010], g[0.782,0.023]
1/1 [=====] - 0s 100ms/step
>13380, dr[0.766,0.711], df[0.722,0.030], g[0.798,0.018]
1/1 [=====] - 0s 107ms/step
>13381, dr[0.703,0.520], df[0.689,0.016], g[0.770,0.023]
1/1 [=====] - 0s 98ms/step
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>13382, dr[0.756,0.238], df[0.713,0.039], g[0.749,0.019]
1/1 [=====] - 0s 101ms/step
>13383, dr[0.719,0.341], df[0.752,0.021], g[0.773,0.032]
1/1 [=====] - 0s 99ms/step
>13384, dr[0.720,0.667], df[0.677,0.021], g[0.765,0.031]
1/1 [=====] - 0s 104ms/step
>13385, dr[0.643,0.860], df[0.769,0.035], g[0.759,0.019]
1/1 [=====] - 0s 112ms/step
>13386, dr[0.739,0.594], df[0.690,0.027], g[0.785,0.029]
1/1 [=====] - 0s 99ms/step
>13387, dr[0.651,0.479], df[0.683,0.024], g[0.736,0.021]
1/1 [=====] - 0s 99ms/step
>13388, dr[0.719,0.320], df[0.673,0.046], g[0.704,0.017]
1/1 [=====] - 0s 100ms/step
>13389, dr[0.673,0.752], df[0.689,0.023], g[0.757,0.026]
1/1 [=====] - 0s 102ms/step
>13390, dr[0.665,0.754], df[0.731,0.021], g[0.774,0.018]
1/1 [=====] - 0s 116ms/step
>13391, dr[0.707,0.394], df[0.753,0.037], g[0.739,0.016]
1/1 [=====] - 0s 101ms/step
>13392, dr[0.724,0.538], df[0.739,0.013], g[0.716,0.017]
1/1 [=====] - 0s 97ms/step
>13393, dr[0.722,0.473], df[0.750,0.030], g[0.820,0.010]
1/1 [=====] - 0s 100ms/step
>13394, dr[0.694,0.635], df[0.750,0.033], g[0.797,0.023]
1/1 [=====] - 0s 101ms/step
>13395, dr[0.672,0.425], df[0.716,0.020], g[0.797,0.039]
1/1 [=====] - 0s 114ms/step
>13396, dr[0.762,0.447], df[0.676,0.012], g[0.734,0.014]
1/1 [=====] - 0s 99ms/step
>13397, dr[0.688,0.557], df[0.710,0.037], g[0.766,0.018]
1/1 [=====] - 0s 102ms/step
>13398, dr[0.657,0.401], df[0.729,0.028], g[0.816,0.050]
1/1 [=====] - 0s 100ms/step
>13399, dr[0.698,0.455], df[0.708,0.044], g[0.796,0.018]
1/1 [=====] - 0s 125ms/step
>13400, dr[0.704,0.684], df[0.683,0.019], g[0.780,0.024]
1/1 [=====] - 0s 100ms/step
>13401, dr[0.682,0.372], df[0.763,0.024], g[0.754,0.040]
1/1 [=====] - 0s 98ms/step
>13402, dr[0.780,0.186], df[0.653,0.022], g[0.774,0.021]
1/1 [=====] - 0s 96ms/step
>13403, dr[0.694,0.300], df[0.672,0.026], g[0.765,0.024]
1/1 [=====] - 0s 99ms/step
>13404, dr[0.693,1.083], df[0.754,0.023], g[0.788,0.050]
1/1 [=====] - 0s 96ms/step
>13405, dr[0.723,0.489], df[0.684,0.054], g[0.759,0.027]
1/1 [=====] - 0s 99ms/step
>13406, dr[0.689,0.217], df[0.687,0.076], g[0.778,0.033]
1/1 [=====] - 0s 98ms/step
>13407, dr[0.755,0.323], df[0.651,0.035], g[0.791,0.038]
1/1 [=====] - 0s 102ms/step
>13408, dr[0.656,0.409], df[0.690,0.032], g[0.784,0.017]
1/1 [=====] - 0s 129ms/step
>13409, dr[0.705,0.463], df[0.723,0.013], g[0.768,0.014]
1/1 [=====] - 0s 125ms/step
>13410, dr[0.694,0.270], df[0.669,0.039], g[0.823,0.013]
1/1 [=====] - 0s 105ms/step
>13411, dr[0.679,0.583], df[0.679,0.039], g[0.838,0.019]
1/1 [=====] - 0s 103ms/step
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>13412, dr[0.747,0.562], df[0.764,0.021], g[0.783,0.037]
1/1 [=====] - 0s 102ms/step
>13413, dr[0.725,0.537], df[0.634,0.016], g[0.737,0.027]
1/1 [=====] - 0s 97ms/step
>13414, dr[0.737,0.499], df[0.715,0.019], g[0.780,0.021]
1/1 [=====] - 0s 110ms/step
>13415, dr[0.673,0.408], df[0.731,0.018], g[0.736,0.028]
1/1 [=====] - 0s 97ms/step
>13416, dr[0.713,0.363], df[0.767,0.029], g[0.749,0.013]
1/1 [=====] - 0s 103ms/step
>13417, dr[0.621,0.364], df[0.794,0.022], g[0.752,0.028]
1/1 [=====] - 0s 95ms/step
>13418, dr[0.692,0.698], df[0.673,0.021], g[0.756,0.013]
1/1 [=====] - 0s 101ms/step
>13419, dr[0.677,0.290], df[0.695,0.101], g[0.792,0.016]
1/1 [=====] - 0s 104ms/step
>13420, dr[0.745,0.366], df[0.808,0.018], g[0.787,0.014]
1/1 [=====] - 0s 98ms/step
>13421, dr[0.713,0.422], df[0.695,0.019], g[0.761,0.019]
1/1 [=====] - 0s 103ms/step
>13422, dr[0.622,1.022], df[0.700,0.016], g[0.780,0.016]
1/1 [=====] - 0s 111ms/step
>13423, dr[0.699,0.583], df[0.691,0.033], g[0.816,0.020]
1/1 [=====] - 0s 104ms/step
>13424, dr[0.739,0.389], df[0.706,0.014], g[0.841,0.028]
1/1 [=====] - 0s 126ms/step
>13425, dr[0.699,0.450], df[0.718,0.016], g[0.736,0.015]
1/1 [=====] - 0s 112ms/step
>13426, dr[0.647,0.538], df[0.730,0.017], g[0.798,0.032]
1/1 [=====] - 0s 110ms/step
>13427, dr[0.700,0.640], df[0.711,0.061], g[0.782,0.024]
1/1 [=====] - 0s 103ms/step
>13428, dr[0.747,0.657], df[0.671,0.017], g[0.735,0.051]
1/1 [=====] - 0s 110ms/step
>13429, dr[0.641,0.480], df[0.660,0.024], g[0.752,0.023]
1/1 [=====] - 0s 112ms/step
>13430, dr[0.707,0.386], df[0.790,0.016], g[0.747,0.038]
1/1 [=====] - 0s 111ms/step
>13431, dr[0.739,0.490], df[0.725,0.018], g[0.751,0.024]
1/1 [=====] - 0s 115ms/step
>13432, dr[0.639,0.323], df[0.706,0.020], g[0.780,0.022]
1/1 [=====] - 0s 108ms/step
>13433, dr[0.715,0.366], df[0.779,0.039], g[0.722,0.032]
1/1 [=====] - 0s 110ms/step
>13434, dr[0.704,0.509], df[0.667,0.024], g[0.783,0.037]
1/1 [=====] - 0s 123ms/step
>13435, dr[0.667,0.347], df[0.729,0.021], g[0.817,0.025]
1/1 [=====] - 0s 114ms/step
>13436, dr[0.664,0.482], df[0.707,0.020], g[0.773,0.020]
1/1 [=====] - 0s 116ms/step
>13437, dr[0.757,0.678], df[0.767,0.030], g[0.786,0.028]
1/1 [=====] - 0s 122ms/step
>13438, dr[0.677,0.630], df[0.682,0.015], g[0.768,0.022]
1/1 [=====] - 0s 121ms/step
>13439, dr[0.704,0.473], df[0.723,0.022], g[0.780,0.022]
1/1 [=====] - 0s 118ms/step
>13440, dr[0.651,0.279], df[0.709,0.012], g[0.783,0.011]
1/1 [=====] - 0s 112ms/step
>13441, dr[0.667,0.614], df[0.719,0.021], g[0.765,0.018]
1/1 [=====] - 0s 123ms/step
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>13442, dr[0.740,0.541], df[0.695,0.022], g[0.774,0.016]
1/1 [=====] - 0s 113ms/step
>13443, dr[0.690,0.340], df[0.725,0.024], g[0.751,0.014]
1/1 [=====] - 0s 114ms/step
>13444, dr[0.719,0.266], df[0.666,0.018], g[0.760,0.032]
1/1 [=====] - 0s 117ms/step
>13445, dr[0.716,0.379], df[0.642,0.020], g[0.806,0.017]
1/1 [=====] - 0s 137ms/step
>13446, dr[0.666,0.248], df[0.587,0.028], g[0.776,0.020]
1/1 [=====] - 0s 131ms/step
>13447, dr[0.739,0.516], df[0.662,0.007], g[0.741,0.038]
1/1 [=====] - 0s 125ms/step
>13448, dr[0.697,0.599], df[0.766,0.014], g[0.743,0.015]
1/1 [=====] - 0s 110ms/step
>13449, dr[0.736,0.678], df[0.734,0.020], g[0.709,0.014]
1/1 [=====] - 0s 115ms/step
>13450, dr[0.718,0.478], df[0.713,0.020], g[0.781,0.020]
1/1 [=====] - 0s 107ms/step
>13451, dr[0.707,0.423], df[0.710,0.019], g[0.746,0.028]
1/1 [=====] - 0s 115ms/step
>13452, dr[0.648,0.270], df[0.725,0.024], g[0.772,0.015]
1/1 [=====] - 0s 115ms/step
>13453, dr[0.669,0.617], df[0.698,0.012], g[0.766,0.022]
1/1 [=====] - 0s 127ms/step
>13454, dr[0.655,0.355], df[0.706,0.025], g[0.763,0.021]
1/1 [=====] - 0s 106ms/step
>13455, dr[0.718,0.291], df[0.693,0.025], g[0.743,0.020]
1/1 [=====] - 0s 101ms/step
>13456, dr[0.686,0.181], df[0.713,0.022], g[0.756,0.019]
1/1 [=====] - 0s 102ms/step
>13457, dr[0.744,0.663], df[0.701,0.021], g[0.741,0.029]
1/1 [=====] - 0s 111ms/step
>13458, dr[0.702,0.482], df[0.708,0.028], g[0.742,0.021]
1/1 [=====] - 0s 106ms/step
>13459, dr[0.734,0.531], df[0.675,0.021], g[0.699,0.022]
1/1 [=====] - 0s 118ms/step
>13460, dr[0.670,0.471], df[0.643,0.041], g[0.774,0.020]
1/1 [=====] - 0s 104ms/step
>13461, dr[0.708,0.340], df[0.676,0.012], g[0.728,0.026]
1/1 [=====] - 0s 114ms/step
>13462, dr[0.693,0.682], df[0.737,0.013], g[0.771,0.030]
1/1 [=====] - 0s 117ms/step
>13463, dr[0.654,0.260], df[0.701,0.012], g[0.802,0.026]
1/1 [=====] - 0s 117ms/step
>13464, dr[0.694,0.520], df[0.662,0.018], g[0.788,0.011]
1/1 [=====] - 0s 114ms/step
>13465, dr[0.648,0.132], df[0.680,0.025], g[0.734,0.016]
1/1 [=====] - 0s 116ms/step
>13466, dr[0.652,0.348], df[0.750,0.020], g[0.745,0.012]
1/1 [=====] - 0s 106ms/step
>13467, dr[0.678,0.251], df[0.740,0.019], g[0.739,0.020]
1/1 [=====] - 0s 99ms/step
>13468, dr[0.669,0.303], df[0.705,0.006], g[0.746,0.036]
1/1 [=====] - 0s 104ms/step
>13469, dr[0.740,0.497], df[0.667,0.022], g[0.750,0.013]
1/1 [=====] - 0s 116ms/step
>13470, dr[0.705,0.282], df[0.662,0.019], g[0.752,0.021]
1/1 [=====] - 0s 123ms/step
>13471, dr[0.708,0.374], df[0.758,0.014], g[0.787,0.022]
1/1 [=====] - 0s 115ms/step
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>13472, dr[0.676,0.325], df[0.670,0.011], g[0.722,0.018]
1/1 [=====] - 0s 112ms/step
>13473, dr[0.726,0.549], df[0.756,0.023], g[0.741,0.014]
1/1 [=====] - 0s 126ms/step
>13474, dr[0.640,0.322], df[0.730,0.016], g[0.764,0.027]
1/1 [=====] - 0s 113ms/step
>13475, dr[0.728,0.645], df[0.693,0.048], g[0.716,0.055]
1/1 [=====] - 0s 102ms/step
>13476, dr[0.672,0.431], df[0.715,0.017], g[0.763,0.027]
1/1 [=====] - 0s 127ms/step
>13477, dr[0.610,0.294], df[0.690,0.016], g[0.746,0.012]
1/1 [=====] - 0s 111ms/step
>13478, dr[0.705,0.505], df[0.728,0.024], g[0.737,0.020]
1/1 [=====] - 0s 111ms/step
>13479, dr[0.739,0.470], df[0.718,0.015], g[0.747,0.024]
1/1 [=====] - 0s 114ms/step
>13480, dr[0.737,0.695], df[0.694,0.013], g[0.753,0.029]
1/1 [=====] - 0s 103ms/step
>13481, dr[0.712,0.381], df[0.713,0.013], g[0.768,0.017]
1/1 [=====] - 0s 105ms/step
>13482, dr[0.629,0.476], df[0.679,0.035], g[0.780,0.013]
1/1 [=====] - 0s 136ms/step
>13483, dr[0.642,0.471], df[0.689,0.016], g[0.754,0.021]
1/1 [=====] - 0s 118ms/step
>13484, dr[0.647,0.366], df[0.750,0.022], g[0.773,0.022]
1/1 [=====] - 0s 122ms/step
>13485, dr[0.733,0.601], df[0.755,0.015], g[0.767,0.029]
1/1 [=====] - 0s 106ms/step
>13486, dr[0.631,0.523], df[0.789,0.015], g[0.782,0.026]
1/1 [=====] - 0s 105ms/step
>13487, dr[0.727,0.372], df[0.723,0.029], g[0.792,0.025]
1/1 [=====] - 0s 112ms/step
>13488, dr[0.728,0.745], df[0.632,0.019], g[0.782,0.017]
1/1 [=====] - 0s 116ms/step
>13489, dr[0.621,0.509], df[0.711,0.014], g[0.760,0.020]
1/1 [=====] - 0s 105ms/step
>13490, dr[0.778,0.481], df[0.628,0.021], g[0.753,0.020]
1/1 [=====] - 0s 101ms/step
>13491, dr[0.659,0.469], df[0.730,0.014], g[0.785,0.034]
1/1 [=====] - 0s 111ms/step
>13492, dr[0.664,0.447], df[0.733,0.020], g[0.798,0.019]
1/1 [=====] - 0s 106ms/step
>13493, dr[0.727,0.710], df[0.743,0.013], g[0.768,0.051]
1/1 [=====] - 0s 111ms/step
>13494, dr[0.667,0.567], df[0.755,0.012], g[0.794,0.020]
1/1 [=====] - 0s 113ms/step
>13495, dr[0.675,0.392], df[0.654,0.041], g[0.790,0.014]
1/1 [=====] - 0s 110ms/step
>13496, dr[0.660,0.430], df[0.726,0.014], g[0.766,0.017]
1/1 [=====] - 0s 104ms/step
>13497, dr[0.724,0.337], df[0.800,0.024], g[0.805,0.038]
1/1 [=====] - 0s 103ms/step
>13498, dr[0.703,0.369], df[0.784,0.058], g[0.771,0.015]
1/1 [=====] - 0s 113ms/step
>13499, dr[0.695,0.670], df[0.640,0.023], g[0.802,0.022]
1/1 [=====] - 0s 114ms/step
>13500, dr[0.740,0.169], df[0.701,0.021], g[0.799,0.017]
1/1 [=====] - 0s 112ms/step
>13501, dr[0.674,0.360], df[0.749,0.027], g[0.810,0.036]
1/1 [=====] - 0s 100ms/step
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>13502, dr[0.745,0.590], df[0.721,0.033], g[0.766,0.027]
1/1 [=====] - 0s 111ms/step
>13503, dr[0.651,0.284], df[0.727,0.009], g[0.786,0.030]
1/1 [=====] - 0s 105ms/step
>13504, dr[0.696,0.693], df[0.647,0.020], g[0.820,0.011]
1/1 [=====] - 0s 114ms/step
>13505, dr[0.723,0.313], df[0.710,0.019], g[0.769,0.022]
1/1 [=====] - 0s 114ms/step
>13506, dr[0.714,0.545], df[0.725,0.058], g[0.750,0.028]
1/1 [=====] - 0s 105ms/step
>13507, dr[0.702,0.543], df[0.705,0.015], g[0.834,0.025]
1/1 [=====] - 0s 125ms/step
>13508, dr[0.693,0.668], df[0.687,0.018], g[0.813,0.025]
1/1 [=====] - 0s 106ms/step
>13509, dr[0.665,0.492], df[0.675,0.019], g[0.800,0.014]
1/1 [=====] - 0s 110ms/step
>13510, dr[0.607,0.662], df[0.672,0.014], g[0.792,0.026]
1/1 [=====] - 0s 107ms/step
>13511, dr[0.742,0.371], df[0.700,0.023], g[0.721,0.019]
1/1 [=====] - 0s 104ms/step
>13512, dr[0.656,0.700], df[0.725,0.017], g[0.792,0.022]
1/1 [=====] - 0s 105ms/step
>13513, dr[0.711,0.349], df[0.739,0.027], g[0.762,0.015]
1/1 [=====] - 0s 121ms/step
>13514, dr[0.703,0.352], df[0.765,0.027], g[0.801,0.028]
1/1 [=====] - 0s 104ms/step
>13515, dr[0.684,0.393], df[0.671,0.016], g[0.773,0.029]
1/1 [=====] - 0s 113ms/step
>13516, dr[0.702,0.515], df[0.739,0.052], g[0.805,0.013]
1/1 [=====] - 0s 109ms/step
>13517, dr[0.661,0.394], df[0.676,0.007], g[0.796,0.021]
1/1 [=====] - 0s 110ms/step
>13518, dr[0.796,0.489], df[0.733,0.023], g[0.744,0.022]
1/1 [=====] - 0s 103ms/step
>13519, dr[0.735,0.368], df[0.699,0.018], g[0.727,0.030]
1/1 [=====] - 0s 109ms/step
>13520, dr[0.663,0.486], df[0.653,0.019], g[0.779,0.015]
1/1 [=====] - 0s 103ms/step
>13521, dr[0.672,0.702], df[0.709,0.010], g[0.789,0.075]
1/1 [=====] - 0s 106ms/step
>13522, dr[0.725,0.282], df[0.716,0.022], g[0.771,0.015]
1/1 [=====] - 0s 119ms/step
>13523, dr[0.701,0.279], df[0.727,0.015], g[0.801,0.017]
1/1 [=====] - 0s 122ms/step
>13524, dr[0.768,0.502], df[0.802,0.013], g[0.734,0.020]
1/1 [=====] - 0s 117ms/step
>13525, dr[0.724,0.584], df[0.675,0.022], g[0.776,0.017]
1/1 [=====] - 0s 105ms/step
>13526, dr[0.720,0.605], df[0.743,0.032], g[0.823,0.013]
1/1 [=====] - 0s 120ms/step
>13527, dr[0.678,0.431], df[0.710,0.014], g[0.820,0.020]
1/1 [=====] - 0s 114ms/step
>13528, dr[0.687,0.411], df[0.777,0.029], g[0.762,0.019]
1/1 [=====] - 0s 156ms/step
>13529, dr[0.661,0.628], df[0.684,0.016], g[0.796,0.036]
1/1 [=====] - 0s 105ms/step
>13530, dr[0.717,0.335], df[0.662,0.038], g[0.791,0.028]
1/1 [=====] - 0s 110ms/step
>13531, dr[0.705,0.234], df[0.681,0.018], g[0.809,0.018]
1/1 [=====] - 0s 115ms/step
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>13532, dr[0.648,0.589], df[0.699,0.014], g[0.836,0.015]
1/1 [=====] - 0s 109ms/step
>13533, dr[0.702,0.392], df[0.698,0.068], g[0.764,0.024]
1/1 [=====] - 0s 105ms/step
>13534, dr[0.765,0.963], df[0.597,0.019], g[0.702,0.034]
1/1 [=====] - 0s 130ms/step
>13535, dr[0.694,0.289], df[0.681,0.021], g[0.758,0.033]
1/1 [=====] - 0s 111ms/step
>13536, dr[0.691,0.352], df[0.682,0.027], g[0.769,0.026]
1/1 [=====] - 0s 110ms/step
>13537, dr[0.649,0.421], df[0.702,0.016], g[0.742,0.018]
1/1 [=====] - 0s 112ms/step
>13538, dr[0.652,0.570], df[0.667,0.022], g[0.766,0.024]
1/1 [=====] - 0s 108ms/step
>13539, dr[0.693,0.684], df[0.656,0.039], g[0.748,0.020]
1/1 [=====] - 0s 102ms/step
>13540, dr[0.701,0.263], df[0.861,0.028], g[0.724,0.022]
1/1 [=====] - 0s 112ms/step
>13541, dr[0.654,0.444], df[0.777,0.013], g[0.783,0.026]
1/1 [=====] - 0s 119ms/step
>13542, dr[0.709,0.248], df[0.670,0.026], g[0.712,0.030]
1/1 [=====] - 0s 138ms/step
>13543, dr[0.717,0.652], df[0.716,0.019], g[0.780,0.019]
1/1 [=====] - 0s 126ms/step
>13544, dr[0.704,0.430], df[0.715,0.027], g[0.828,0.019]
1/1 [=====] - 0s 111ms/step
>13545, dr[0.709,0.221], df[0.711,0.030], g[0.766,0.033]
1/1 [=====] - 0s 105ms/step
>13546, dr[0.612,0.228], df[0.759,0.019], g[0.778,0.019]
1/1 [=====] - 0s 104ms/step
>13547, dr[0.702,0.227], df[0.642,0.011], g[0.801,0.023]
1/1 [=====] - 0s 115ms/step
>13548, dr[0.716,0.736], df[0.757,0.023], g[0.823,0.025]
1/1 [=====] - 0s 119ms/step
>13549, dr[0.709,0.508], df[0.715,0.026], g[0.850,0.027]
1/1 [=====] - 0s 111ms/step
>13550, dr[0.661,0.278], df[0.680,0.017], g[0.780,0.019]
1/1 [=====] - 0s 131ms/step
>13551, dr[0.716,0.578], df[0.770,0.015], g[0.790,0.022]
1/1 [=====] - 0s 105ms/step
>13552, dr[0.779,0.366], df[0.694,0.026], g[0.787,0.021]
1/1 [=====] - 0s 108ms/step
>13553, dr[0.704,0.833], df[0.729,0.018], g[0.749,0.029]
1/1 [=====] - 0s 112ms/step
>13554, dr[0.660,0.733], df[0.846,0.022], g[0.781,0.020]
1/1 [=====] - 0s 111ms/step
>13555, dr[0.691,0.455], df[0.741,0.030], g[0.717,0.013]
1/1 [=====] - 0s 106ms/step
>13556, dr[0.695,0.589], df[0.725,0.010], g[0.831,0.018]
1/1 [=====] - 0s 111ms/step
>13557, dr[0.742,0.292], df[0.722,0.042], g[0.760,0.041]
1/1 [=====] - 0s 114ms/step
>13558, dr[0.683,0.491], df[0.761,0.021], g[0.824,0.037]
1/1 [=====] - 0s 105ms/step
>13559, dr[0.688,0.246], df[0.717,0.011], g[0.802,0.018]
1/1 [=====] - 0s 120ms/step
>13560, dr[0.706,0.449], df[0.703,0.043], g[0.764,0.026]
1/1 [=====] - 0s 110ms/step
>13561, dr[0.760,0.641], df[0.660,0.022], g[0.763,0.016]
1/1 [=====] - 0s 114ms/step
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>13562, dr[0.774,0.502], df[0.780,0.025], g[0.766,0.022]
1/1 [=====] - 0s 115ms/step
>13563, dr[0.659,0.904], df[0.696,0.040], g[0.725,0.016]
1/1 [=====] - 0s 120ms/step
>13564, dr[0.784,0.270], df[0.701,0.009], g[0.748,0.022]
1/1 [=====] - 0s 125ms/step
>13565, dr[0.744,0.218], df[0.688,0.021], g[0.794,0.020]
1/1 [=====] - 0s 124ms/step
>13566, dr[0.748,0.570], df[0.674,0.017], g[0.722,0.039]
1/1 [=====] - 0s 104ms/step
>13567, dr[0.690,0.345], df[0.722,0.016], g[0.785,0.014]
1/1 [=====] - 0s 118ms/step
>13568, dr[0.681,0.320], df[0.705,0.013], g[0.821,0.028]
1/1 [=====] - 0s 105ms/step
>13569, dr[0.670,0.578], df[0.690,0.028], g[0.766,0.016]
1/1 [=====] - 0s 105ms/step
>13570, dr[0.641,0.903], df[0.757,0.022], g[0.745,0.025]
1/1 [=====] - 0s 114ms/step
>13571, dr[0.750,0.578], df[0.806,0.021], g[0.732,0.059]
1/1 [=====] - 0s 117ms/step
>13572, dr[0.661,0.553], df[0.711,0.026], g[0.770,0.025]
1/1 [=====] - 0s 115ms/step
>13573, dr[0.690,0.291], df[0.785,0.021], g[0.731,0.024]
1/1 [=====] - 0s 111ms/step
>13574, dr[0.727,0.498], df[0.723,0.050], g[0.782,0.038]
1/1 [=====] - 0s 108ms/step
>13575, dr[0.747,1.015], df[0.747,0.022], g[0.758,0.018]
1/1 [=====] - 0s 107ms/step
>13576, dr[0.668,0.545], df[0.741,0.014], g[0.762,0.030]
1/1 [=====] - 0s 116ms/step
>13577, dr[0.671,0.297], df[0.716,0.027], g[0.743,0.029]
1/1 [=====] - 0s 115ms/step
>13578, dr[0.712,0.440], df[0.654,0.016], g[0.820,0.020]
1/1 [=====] - 0s 111ms/step
>13579, dr[0.672,0.188], df[0.728,0.034], g[0.746,0.017]
1/1 [=====] - 0s 104ms/step
>13580, dr[0.724,0.495], df[0.776,0.015], g[0.766,0.038]
1/1 [=====] - 0s 107ms/step
>13581, dr[0.706,0.729], df[0.772,0.025], g[0.768,0.025]
1/1 [=====] - 0s 106ms/step
>13582, dr[0.735,0.434], df[0.723,0.023], g[0.813,0.035]
1/1 [=====] - 0s 120ms/step
>13583, dr[0.762,0.585], df[0.742,0.012], g[0.741,0.023]
1/1 [=====] - 0s 115ms/step
>13584, dr[0.716,0.602], df[0.712,0.017], g[0.809,0.016]
1/1 [=====] - 0s 112ms/step
>13585, dr[0.771,0.524], df[0.714,0.027], g[0.775,0.012]
1/1 [=====] - 0s 121ms/step
>13586, dr[0.658,0.602], df[0.684,0.024], g[0.818,0.034]
1/1 [=====] - 0s 112ms/step
>13587, dr[0.678,0.616], df[0.716,0.015], g[0.799,0.024]
1/1 [=====] - 0s 115ms/step
>13588, dr[0.701,0.433], df[0.752,0.019], g[0.744,0.030]
1/1 [=====] - 0s 109ms/step
>13589, dr[0.725,0.532], df[0.763,0.021], g[0.789,0.019]
1/1 [=====] - 0s 116ms/step
>13590, dr[0.705,0.506], df[0.736,0.012], g[0.781,0.039]
1/1 [=====] - 0s 115ms/step
>13591, dr[0.795,0.679], df[0.736,0.021], g[0.779,0.021]
1/1 [=====] - 0s 121ms/step
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>13592, dr[0.642,0.429], df[0.686,0.014], g[0.768,0.036]
1/1 [=====] - 0s 107ms/step
>13593, dr[0.710,0.301], df[0.684,0.022], g[0.778,0.024]
1/1 [=====] - 0s 111ms/step
>13594, dr[0.741,0.463], df[0.724,0.020], g[0.711,0.030]
1/1 [=====] - 0s 107ms/step
>13595, dr[0.707,0.270], df[0.736,0.039], g[0.808,0.019]
1/1 [=====] - 0s 115ms/step
>13596, dr[0.694,0.658], df[0.721,0.033], g[0.760,0.020]
1/1 [=====] - 0s 108ms/step
>13597, dr[0.657,1.003], df[0.694,0.014], g[0.766,0.024]
1/1 [=====] - 0s 102ms/step
>13598, dr[0.815,0.661], df[0.712,0.025], g[0.735,0.024]
1/1 [=====] - 0s 117ms/step
>13599, dr[0.730,0.609], df[0.812,0.047], g[0.739,0.031]
1/1 [=====] - 0s 128ms/step
>13600, dr[0.732,0.449], df[0.762,0.025], g[0.738,0.036]
1/1 [=====] - 0s 119ms/step
>13601, dr[0.734,0.581], df[0.732,0.031], g[0.741,0.031]
1/1 [=====] - 0s 105ms/step
>13602, dr[0.669,0.566], df[0.769,0.070], g[0.727,0.028]
1/1 [=====] - 0s 107ms/step
>13603, dr[0.738,0.212], df[0.747,0.020], g[0.738,0.035]
1/1 [=====] - 0s 111ms/step
>13604, dr[0.697,0.420], df[0.718,0.032], g[0.694,0.022]
1/1 [=====] - 0s 131ms/step
>13605, dr[0.759,0.480], df[0.684,0.029], g[0.719,0.024]
1/1 [=====] - 0s 130ms/step
>13606, dr[0.721,0.512], df[0.734,0.026], g[0.744,0.027]
1/1 [=====] - 0s 121ms/step
>13607, dr[0.714,0.616], df[0.779,0.029], g[0.806,0.031]
1/1 [=====] - 0s 114ms/step
>13608, dr[0.703,0.389], df[0.688,0.021], g[0.757,0.040]
1/1 [=====] - 0s 112ms/step
>13609, dr[0.640,0.550], df[0.636,0.030], g[0.764,0.024]
1/1 [=====] - 0s 133ms/step
>13610, dr[0.679,0.300], df[0.705,0.035], g[0.789,0.016]
1/1 [=====] - 0s 105ms/step
>13611, dr[0.695,0.303], df[0.766,0.016], g[0.757,0.022]
1/1 [=====] - 0s 97ms/step
>13612, dr[0.698,0.448], df[0.677,0.009], g[0.866,0.019]
1/1 [=====] - 0s 100ms/step
>13613, dr[0.772,0.532], df[0.705,0.010], g[0.757,0.014]
1/1 [=====] - 0s 97ms/step
>13614, dr[0.756,0.525], df[0.719,0.015], g[0.745,0.029]
1/1 [=====] - 0s 102ms/step
>13615, dr[0.667,0.422], df[0.752,0.024], g[0.775,0.038]
1/1 [=====] - 0s 103ms/step
>13616, dr[0.707,0.353], df[0.707,0.041], g[0.792,0.018]
1/1 [=====] - 0s 96ms/step
>13617, dr[0.636,0.393], df[0.684,0.023], g[0.817,0.027]
1/1 [=====] - 0s 102ms/step
>13618, dr[0.691,0.332], df[0.662,0.022], g[0.836,0.018]
1/1 [=====] - 0s 105ms/step
>13619, dr[0.724,0.437], df[0.723,0.040], g[0.752,0.020]
1/1 [=====] - 0s 112ms/step
>13620, dr[0.701,0.513], df[0.717,0.018], g[0.764,0.024]
1/1 [=====] - 0s 129ms/step
>13621, dr[0.695,0.374], df[0.705,0.033], g[0.812,0.020]
1/1 [=====] - 0s 113ms/step
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>13622, dr[0.732,0.749], df[0.757,0.030], g[0.783,0.028]
1/1 [=====] - 0s 108ms/step
>13623, dr[0.660,0.633], df[0.779,0.054], g[0.801,0.027]
1/1 [=====] - 0s 118ms/step
>13624, dr[0.655,0.215], df[0.649,0.008], g[0.778,0.017]
1/1 [=====] - 0s 106ms/step
>13625, dr[0.726,0.327], df[0.690,0.016], g[0.761,0.019]
1/1 [=====] - 0s 108ms/step
>13626, dr[0.709,0.360], df[0.602,0.020], g[0.749,0.018]
1/1 [=====] - 0s 108ms/step
>13627, dr[0.703,0.202], df[0.778,0.028], g[0.755,0.020]
1/1 [=====] - 0s 113ms/step
>13628, dr[0.619,0.293], df[0.768,0.028], g[0.762,0.022]
1/1 [=====] - 0s 105ms/step
>13629, dr[0.740,0.459], df[0.744,0.012], g[0.782,0.014]
1/1 [=====] - 0s 109ms/step
>13630, dr[0.683,0.540], df[0.634,0.009], g[0.800,0.022]
1/1 [=====] - 0s 106ms/step
>13631, dr[0.673,0.304], df[0.633,0.014], g[0.681,0.054]
1/1 [=====] - 0s 104ms/step
>13632, dr[0.746,0.433], df[0.713,0.021], g[0.806,0.016]
1/1 [=====] - 0s 117ms/step
>13633, dr[0.724,0.297], df[0.782,0.027], g[0.771,0.025]
1/1 [=====] - 0s 193ms/step
>13634, dr[0.686,0.394], df[0.726,0.021], g[0.757,0.034]
1/1 [=====] - 0s 131ms/step
>13635, dr[0.652,0.143], df[0.714,0.035], g[0.794,0.028]
1/1 [=====] - 0s 121ms/step
>13636, dr[0.717,0.409], df[0.689,0.017], g[0.751,0.038]
1/1 [=====] - 0s 108ms/step
>13637, dr[0.736,0.731], df[0.676,0.049], g[0.756,0.020]
1/1 [=====] - 0s 108ms/step
>13638, dr[0.726,0.450], df[0.645,0.015], g[0.817,0.031]
1/1 [=====] - 0s 112ms/step
>13639, dr[0.738,0.361], df[0.759,0.022], g[0.713,0.030]
1/1 [=====] - 0s 109ms/step
>13640, dr[0.687,0.581], df[0.684,0.017], g[0.729,0.024]
1/1 [=====] - 0s 123ms/step
>13641, dr[0.688,0.461], df[0.733,0.025], g[0.782,0.019]
1/1 [=====] - 0s 116ms/step
>13642, dr[0.646,0.376], df[0.696,0.021], g[0.753,0.015]
1/1 [=====] - 0s 106ms/step
>13643, dr[0.670,0.491], df[0.648,0.024], g[0.791,0.015]
1/1 [=====] - 0s 109ms/step
>13644, dr[0.687,0.704], df[0.738,0.017], g[0.745,0.024]
1/1 [=====] - 0s 106ms/step
>13645, dr[0.672,0.414], df[0.766,0.022], g[0.741,0.016]
1/1 [=====] - 0s 111ms/step
>13646, dr[0.684,0.418], df[0.675,0.021], g[0.758,0.015]
1/1 [=====] - 0s 113ms/step
>13647, dr[0.707,0.427], df[0.707,0.018], g[0.767,0.017]
1/1 [=====] - 0s 119ms/step
>13648, dr[0.747,0.558], df[0.772,0.013], g[0.750,0.023]
1/1 [=====] - 0s 121ms/step
>13649, dr[0.710,0.287], df[0.741,0.020], g[0.741,0.018]
1/1 [=====] - 0s 109ms/step
>13650, dr[0.687,0.282], df[0.676,0.015], g[0.747,0.026]
1/1 [=====] - 0s 117ms/step
>13651, dr[0.631,0.377], df[0.755,0.020], g[0.842,0.020]
1/1 [=====] - 0s 108ms/step
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>13652, dr[0.758,0.228], df[0.754,0.009], g[0.762,0.016]
1/1 [=====] - 0s 110ms/step
>13653, dr[0.758,0.485], df[0.718,0.037], g[0.779,0.022]
1/1 [=====] - 0s 108ms/step
>13654, dr[0.690,0.398], df[0.716,0.017], g[0.750,0.015]
1/1 [=====] - 0s 118ms/step
>13655, dr[0.665,1.052], df[0.734,0.018], g[0.792,0.016]
1/1 [=====] - 0s 111ms/step
>13656, dr[0.697,0.330], df[0.721,0.045], g[0.755,0.017]
1/1 [=====] - 0s 109ms/step
>13657, dr[0.735,0.549], df[0.694,0.026], g[0.789,0.023]
1/1 [=====] - 0s 109ms/step
>13658, dr[0.653,0.571], df[0.672,0.018], g[0.751,0.020]
1/1 [=====] - 0s 111ms/step
>13659, dr[0.755,0.603], df[0.714,0.014], g[0.727,0.041]
1/1 [=====] - 0s 111ms/step
>13660, dr[0.690,0.598], df[0.752,0.020], g[0.810,0.016]
1/1 [=====] - 0s 129ms/step
>13661, dr[0.696,0.690], df[0.681,0.034], g[0.774,0.018]
1/1 [=====] - 0s 123ms/step
>13662, dr[0.651,0.414], df[0.704,0.019], g[0.777,0.040]
1/1 [=====] - 0s 105ms/step
>13663, dr[0.723,0.533], df[0.625,0.012], g[0.743,0.052]
1/1 [=====] - 0s 112ms/step
>13664, dr[0.726,0.297], df[0.789,0.021], g[0.744,0.028]
1/1 [=====] - 0s 121ms/step
>13665, dr[0.631,0.756], df[0.729,0.018], g[0.809,0.020]
1/1 [=====] - 0s 104ms/step
>13666, dr[0.733,0.798], df[0.748,0.011], g[0.726,0.021]
1/1 [=====] - 0s 108ms/step
>13667, dr[0.640,0.487], df[0.697,0.022], g[0.743,0.021]
1/1 [=====] - 0s 111ms/step
>13668, dr[0.749,0.386], df[0.696,0.018], g[0.746,0.043]
1/1 [=====] - 0s 117ms/step
>13669, dr[0.829,0.412], df[0.766,0.015], g[0.799,0.018]
1/1 [=====] - 0s 107ms/step
>13670, dr[0.660,0.345], df[0.811,0.027], g[0.713,0.020]
1/1 [=====] - 0s 108ms/step
>13671, dr[0.637,0.757], df[0.713,0.019], g[0.752,0.013]
1/1 [=====] - 0s 106ms/step
>13672, dr[0.741,0.444], df[0.742,0.045], g[0.771,0.019]
1/1 [=====] - 0s 106ms/step
>13673, dr[0.673,0.255], df[0.730,0.012], g[0.783,0.021]
1/1 [=====] - 0s 107ms/step
>13674, dr[0.614,0.341], df[0.760,0.035], g[0.779,0.026]
1/1 [=====] - 0s 120ms/step
>13675, dr[0.739,0.323], df[0.672,0.019], g[0.815,0.021]
1/1 [=====] - 0s 113ms/step
>13676, dr[0.694,0.338], df[0.773,0.008], g[0.812,0.019]
1/1 [=====] - 0s 115ms/step
>13677, dr[0.765,0.415], df[0.658,0.019], g[0.798,0.023]
1/1 [=====] - 0s 110ms/step
>13678, dr[0.714,0.712], df[0.701,0.013], g[0.791,0.018]
1/1 [=====] - 0s 124ms/step
>13679, dr[0.705,0.605], df[0.749,0.011], g[0.794,0.027]
1/1 [=====] - 0s 105ms/step
>13680, dr[0.656,0.603], df[0.672,0.014], g[0.757,0.010]
1/1 [=====] - 0s 112ms/step
>13681, dr[0.695,0.221], df[0.749,0.027], g[0.749,0.025]
1/1 [=====] - 0s 119ms/step
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>13682, dr[0.634,0.505], df[0.678,0.020], g[0.802,0.017]
1/1 [=====] - 0s 115ms/step
>13683, dr[0.687,0.575], df[0.674,0.025], g[0.814,0.038]
1/1 [=====] - 0s 113ms/step
>13684, dr[0.702,0.644], df[0.743,0.017], g[0.764,0.023]
1/1 [=====] - 0s 114ms/step
>13685, dr[0.720,0.392], df[0.649,0.019], g[0.750,0.021]
1/1 [=====] - 0s 107ms/step
>13686, dr[0.697,0.635], df[0.669,0.036], g[0.742,0.017]
1/1 [=====] - 0s 109ms/step
>13687, dr[0.691,0.358], df[0.679,0.012], g[0.757,0.022]
1/1 [=====] - 0s 107ms/step
>13688, dr[0.761,0.424], df[0.720,0.019], g[0.729,0.018]
1/1 [=====] - 0s 115ms/step
>13689, dr[0.682,0.390], df[0.691,0.013], g[0.689,0.023]
1/1 [=====] - 0s 112ms/step
>13690, dr[0.721,0.472], df[0.762,0.039], g[0.755,0.022]
1/1 [=====] - 0s 114ms/step
>13691, dr[0.649,0.227], df[0.702,0.014], g[0.812,0.021]
1/1 [=====] - 0s 106ms/step
>13692, dr[0.692,0.419], df[0.685,0.021], g[0.781,0.018]
1/1 [=====] - 0s 115ms/step
>13693, dr[0.685,0.453], df[0.705,0.016], g[0.801,0.028]
1/1 [=====] - 0s 103ms/step
>13694, dr[0.715,0.263], df[0.706,0.032], g[0.735,0.021]
1/1 [=====] - 0s 107ms/step
>13695, dr[0.723,0.475], df[0.703,0.018], g[0.714,0.019]
1/1 [=====] - 0s 106ms/step
>13696, dr[0.717,0.320], df[0.700,0.018], g[0.744,0.020]
1/1 [=====] - 0s 111ms/step
>13697, dr[0.682,0.307], df[0.761,0.023], g[0.758,0.021]
1/1 [=====] - 0s 111ms/step
>13698, dr[0.708,0.282], df[0.737,0.015], g[0.809,0.019]
1/1 [=====] - 0s 107ms/step
>13699, dr[0.709,0.312], df[0.675,0.050], g[0.761,0.021]
1/1 [=====] - 0s 104ms/step
>13700, dr[0.727,0.437], df[0.728,0.012], g[0.735,0.021]
1/1 [=====] - 0s 105ms/step
>13701, dr[0.658,0.370], df[0.699,0.040], g[0.722,0.020]
1/1 [=====] - 0s 108ms/step
>13702, dr[0.712,0.604], df[0.740,0.019], g[0.802,0.024]
1/1 [=====] - 0s 109ms/step
>13703, dr[0.641,0.328], df[0.682,0.024], g[0.772,0.019]
1/1 [=====] - 0s 104ms/step
>13704, dr[0.683,0.333], df[0.681,0.014], g[0.719,0.028]
1/1 [=====] - 0s 104ms/step
>13705, dr[0.712,0.515], df[0.705,0.023], g[0.799,0.024]
1/1 [=====] - 0s 100ms/step
>13706, dr[0.751,0.428], df[0.721,0.022], g[0.721,0.017]
1/1 [=====] - 0s 114ms/step
>13707, dr[0.599,0.347], df[0.730,0.013], g[0.725,0.064]
1/1 [=====] - 0s 108ms/step
>13708, dr[0.759,0.542], df[0.725,0.023], g[0.850,0.015]
1/1 [=====] - 0s 107ms/step
>13709, dr[0.723,0.356], df[0.713,0.013], g[0.796,0.016]
1/1 [=====] - 0s 112ms/step
>13710, dr[0.670,0.354], df[0.703,0.012], g[0.761,0.020]
1/1 [=====] - 0s 108ms/step
>13711, dr[0.656,0.262], df[0.771,0.027], g[0.744,0.021]
1/1 [=====] - 0s 111ms/step
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>13712, dr[0.725,0.238], df[0.698,0.010], g[0.802,0.016]
1/1 [=====] - 0s 108ms/step
>13713, dr[0.741,0.456], df[0.704,0.021], g[0.712,0.027]
1/1 [=====] - 0s 109ms/step
>13714, dr[0.647,0.946], df[0.738,0.046], g[0.791,0.020]
1/1 [=====] - 0s 109ms/step
>13715, dr[0.730,0.459], df[0.672,0.026], g[0.762,0.017]
1/1 [=====] - 0s 114ms/step
>13716, dr[0.733,0.263], df[0.830,0.011], g[0.749,0.033]
1/1 [=====] - 0s 109ms/step
>13717, dr[0.735,0.703], df[0.782,0.023], g[0.741,0.019]
1/1 [=====] - 0s 112ms/step
>13718, dr[0.751,0.547], df[0.763,0.018], g[0.754,0.019]
1/1 [=====] - 0s 106ms/step
>13719, dr[0.709,0.529], df[0.656,0.023], g[0.728,0.040]
1/1 [=====] - 0s 104ms/step
>13720, dr[0.747,0.419], df[0.734,0.015], g[0.770,0.018]
1/1 [=====] - 0s 108ms/step
>13721, dr[0.689,0.261], df[0.730,0.024], g[0.675,0.022]
1/1 [=====] - 0s 108ms/step
>13722, dr[0.722,0.380], df[0.750,0.025], g[0.791,0.015]
1/1 [=====] - 0s 112ms/step
>13723, dr[0.698,0.353], df[0.689,0.009], g[0.770,0.032]
1/1 [=====] - 0s 105ms/step
>13724, dr[0.718,0.490], df[0.774,0.030], g[0.746,0.024]
1/1 [=====] - 0s 137ms/step
>13725, dr[0.757,0.403], df[0.786,0.032], g[0.770,0.022]
1/1 [=====] - 0s 106ms/step
>13726, dr[0.707,0.687], df[0.712,0.024], g[0.773,0.024]
1/1 [=====] - 0s 106ms/step
>13727, dr[0.695,0.300], df[0.707,0.010], g[0.732,0.029]
1/1 [=====] - 0s 117ms/step
>13728, dr[0.686,0.434], df[0.688,0.030], g[0.766,0.014]
1/1 [=====] - 0s 124ms/step
>13729, dr[0.655,0.507], df[0.709,0.037], g[0.768,0.036]
1/1 [=====] - 0s 114ms/step
>13730, dr[0.633,0.404], df[0.725,0.015], g[0.750,0.020]
1/1 [=====] - 0s 116ms/step
>13731, dr[0.700,0.361], df[0.659,0.017], g[0.793,0.016]
1/1 [=====] - 0s 111ms/step
>13732, dr[0.706,0.405], df[0.694,0.024], g[0.776,0.029]
1/1 [=====] - 0s 106ms/step
>13733, dr[0.693,0.742], df[0.681,0.039], g[0.768,0.015]
1/1 [=====] - 0s 118ms/step
>13734, dr[0.735,0.380], df[0.680,0.020], g[0.776,0.027]
1/1 [=====] - 0s 124ms/step
>13735, dr[0.622,0.633], df[0.686,0.018], g[0.750,0.017]
1/1 [=====] - 0s 109ms/step
>13736, dr[0.654,0.554], df[0.714,0.021], g[0.820,0.014]
1/1 [=====] - 0s 113ms/step
>13737, dr[0.746,0.529], df[0.748,0.014], g[0.731,0.017]
1/1 [=====] - 0s 104ms/step
>13738, dr[0.658,0.531], df[0.723,0.014], g[0.762,0.019]
1/1 [=====] - 0s 105ms/step
>13739, dr[0.672,0.734], df[0.698,0.074], g[0.772,0.021]
1/1 [=====] - 0s 105ms/step
>13740, dr[0.719,0.206], df[0.718,0.037], g[0.800,0.014]
1/1 [=====] - 0s 116ms/step
>13741, dr[0.717,0.472], df[0.708,0.026], g[0.766,0.016]
1/1 [=====] - 0s 131ms/step
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>13742, dr[0.720,0.533], df[0.700,0.011], g[0.825,0.012]
1/1 [=====] - 0s 102ms/step
>13743, dr[0.783,0.313], df[0.684,0.014], g[0.727,0.037]
1/1 [=====] - 0s 106ms/step
>13744, dr[0.743,0.350], df[0.673,0.023], g[0.695,0.050]
1/1 [=====] - 0s 111ms/step
>13745, dr[0.688,0.413], df[0.756,0.014], g[0.729,0.023]
1/1 [=====] - 0s 118ms/step
>13746, dr[0.666,0.345], df[0.726,0.019], g[0.766,0.016]
1/1 [=====] - 0s 115ms/step
>13747, dr[0.727,0.371], df[0.711,0.009], g[0.756,0.021]
1/1 [=====] - 0s 121ms/step
>13748, dr[0.733,0.441], df[0.686,0.014], g[0.745,0.020]
1/1 [=====] - 0s 106ms/step
>13749, dr[0.746,0.465], df[0.715,0.018], g[0.753,0.027]
1/1 [=====] - 0s 106ms/step
>13750, dr[0.712,0.795], df[0.750,0.017], g[0.692,0.026]
1/1 [=====] - 0s 119ms/step
>13751, dr[0.642,0.523], df[0.695,0.018], g[0.740,0.026]
1/1 [=====] - 0s 106ms/step
>13752, dr[0.669,0.815], df[0.767,0.036], g[0.774,0.018]
1/1 [=====] - 0s 124ms/step
>13753, dr[0.711,0.286], df[0.686,0.020], g[0.730,0.018]
1/1 [=====] - 0s 109ms/step
>13754, dr[0.735,0.383], df[0.781,0.025], g[0.738,0.030]
1/1 [=====] - 0s 109ms/step
>13755, dr[0.669,0.542], df[0.717,0.040], g[0.680,0.033]
1/1 [=====] - 0s 112ms/step
>13756, dr[0.672,0.491], df[0.739,0.018], g[0.714,0.033]
1/1 [=====] - 0s 105ms/step
>13757, dr[0.656,0.547], df[0.701,0.040], g[0.709,0.021]
1/1 [=====] - 0s 108ms/step
>13758, dr[0.717,0.586], df[0.734,0.038], g[0.737,0.039]
1/1 [=====] - 0s 108ms/step
>13759, dr[0.710,0.284], df[0.751,0.052], g[0.698,0.026]
1/1 [=====] - 0s 125ms/step
>13760, dr[0.745,0.559], df[0.780,0.023], g[0.809,0.042]
1/1 [=====] - 0s 114ms/step
>13761, dr[0.734,0.442], df[0.645,0.018], g[0.753,0.031]
1/1 [=====] - 0s 106ms/step
>13762, dr[0.678,0.598], df[0.703,0.028], g[0.788,0.032]
1/1 [=====] - 0s 106ms/step
>13763, dr[0.747,0.312], df[0.687,0.019], g[0.739,0.031]
1/1 [=====] - 0s 113ms/step
>13764, dr[0.746,0.435], df[0.677,0.018], g[0.742,0.016]
1/1 [=====] - 0s 110ms/step
>13765, dr[0.740,0.631], df[0.721,0.009], g[0.750,0.039]
1/1 [=====] - 0s 118ms/step
>13766, dr[0.706,0.679], df[0.741,0.033], g[0.758,0.015]
1/1 [=====] - 0s 106ms/step
>13767, dr[0.774,0.441], df[0.733,0.043], g[0.696,0.051]
1/1 [=====] - 0s 104ms/step
>13768, dr[0.690,0.671], df[0.759,0.019], g[0.740,0.015]
1/1 [=====] - 0s 107ms/step
>13769, dr[0.695,0.606], df[0.820,0.027], g[0.751,0.022]
1/1 [=====] - 0s 114ms/step
>13770, dr[0.736,0.354], df[0.758,0.013], g[0.758,0.022]
1/1 [=====] - 0s 110ms/step
>13771, dr[0.714,0.539], df[0.725,0.027], g[0.780,0.017]
1/1 [=====] - 0s 115ms/step
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>13772, dr[0.729,0.765], df[0.780,0.033], g[0.754,0.020]
1/1 [=====] - 0s 112ms/step
>13773, dr[0.751,0.376], df[0.679,0.040], g[0.746,0.025]
1/1 [=====] - 0s 106ms/step
>13774, dr[0.719,0.565], df[0.742,0.013], g[0.719,0.027]
1/1 [=====] - 0s 115ms/step
>13775, dr[0.749,0.694], df[0.758,0.019], g[0.777,0.025]
1/1 [=====] - 0s 125ms/step
>13776, dr[0.687,0.325], df[0.706,0.020], g[0.778,0.020]
1/1 [=====] - 0s 113ms/step
>13777, dr[0.767,0.425], df[0.702,0.021], g[0.784,0.028]
1/1 [=====] - 0s 108ms/step
>13778, dr[0.633,0.191], df[0.685,0.015], g[0.748,0.018]
1/1 [=====] - 0s 115ms/step
>13779, dr[0.661,0.370], df[0.711,0.023], g[0.803,0.028]
1/1 [=====] - 0s 108ms/step
>13780, dr[0.689,0.426], df[0.735,0.029], g[0.731,0.023]
1/1 [=====] - 0s 104ms/step
>13781, dr[0.660,0.475], df[0.766,0.022], g[0.810,0.024]
1/1 [=====] - 0s 105ms/step
>13782, dr[0.668,0.253], df[0.735,0.040], g[0.799,0.028]
1/1 [=====] - 0s 108ms/step
>13783, dr[0.728,0.457], df[0.692,0.014], g[0.813,0.024]
1/1 [=====] - 0s 104ms/step
>13784, dr[0.629,0.413], df[0.586,0.021], g[0.838,0.037]
1/1 [=====] - 0s 114ms/step
>13785, dr[0.816,0.661], df[0.683,0.027], g[0.768,0.035]
1/1 [=====] - 0s 123ms/step
>13786, dr[0.655,0.322], df[0.751,0.008], g[0.770,0.020]
1/1 [=====] - 0s 105ms/step
>13787, dr[0.586,0.652], df[0.734,0.027], g[0.773,0.016]
1/1 [=====] - 0s 103ms/step
>13788, dr[0.733,0.417], df[0.710,0.019], g[0.795,0.015]
1/1 [=====] - 0s 106ms/step
>13789, dr[0.746,0.787], df[0.647,0.034], g[0.709,0.037]
1/1 [=====] - 0s 109ms/step
>13790, dr[0.633,0.561], df[0.777,0.027], g[0.721,0.017]
1/1 [=====] - 0s 106ms/step
>13791, dr[0.690,0.331], df[0.741,0.033], g[0.733,0.029]
1/1 [=====] - 0s 113ms/step
>13792, dr[0.627,0.266], df[0.724,0.013], g[0.815,0.028]
1/1 [=====] - 0s 124ms/step
>13793, dr[0.744,0.734], df[0.694,0.036], g[0.737,0.049]
1/1 [=====] - 0s 107ms/step
>13794, dr[0.693,0.275], df[0.694,0.031], g[0.775,0.045]
1/1 [=====] - 0s 106ms/step
>13795, dr[0.728,0.471], df[0.723,0.021], g[0.794,0.013]
1/1 [=====] - 0s 105ms/step
>13796, dr[0.733,0.482], df[0.636,0.035], g[0.839,0.025]
1/1 [=====] - 0s 116ms/step
>13797, dr[0.715,0.348], df[0.700,0.014], g[0.759,0.021]
1/1 [=====] - 0s 127ms/step
>13798, dr[0.671,0.111], df[0.716,0.020], g[0.777,0.030]
1/1 [=====] - 0s 123ms/step
>13799, dr[0.730,0.433], df[0.704,0.008], g[0.764,0.021]
1/1 [=====] - 0s 116ms/step
>13800, dr[0.593,0.233], df[0.683,0.022], g[0.770,0.019]
1/1 [=====] - 0s 117ms/step
>13801, dr[0.751,0.610], df[0.682,0.017], g[0.766,0.015]
1/1 [=====] - 0s 146ms/step
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>13802, dr[0.702,0.421], df[0.769,0.048], g[0.700,0.038]
1/1 [=====] - 0s 121ms/step
>13803, dr[0.705,0.424], df[0.703,0.013], g[0.749,0.028]
1/1 [=====] - 0s 121ms/step
>13804, dr[0.743,0.426], df[0.708,0.010], g[0.751,0.013]
1/1 [=====] - 0s 121ms/step
>13805, dr[0.812,0.397], df[0.736,0.021], g[0.754,0.024]
1/1 [=====] - 0s 134ms/step
>13806, dr[0.625,0.386], df[0.729,0.016], g[0.742,0.017]
1/1 [=====] - 0s 97ms/step
>13807, dr[0.784,1.185], df[0.682,0.011], g[0.692,0.034]
1/1 [=====] - 0s 112ms/step
>13808, dr[0.703,0.297], df[0.730,0.017], g[0.765,0.034]
1/1 [=====] - 0s 111ms/step
>13809, dr[0.721,0.247], df[0.725,0.010], g[0.735,0.025]
1/1 [=====] - 0s 111ms/step
>13810, dr[0.732,0.622], df[0.754,0.007], g[0.685,0.032]
1/1 [=====] - 0s 115ms/step
>13811, dr[0.709,0.376], df[0.667,0.022], g[0.722,0.029]
1/1 [=====] - 0s 113ms/step
>13812, dr[0.684,0.425], df[0.767,0.015], g[0.718,0.015]
1/1 [=====] - 0s 123ms/step
>13813, dr[0.703,0.609], df[0.783,0.016], g[0.687,0.020]
1/1 [=====] - 0s 121ms/step
>13814, dr[0.667,0.326], df[0.722,0.032], g[0.771,0.018]
1/1 [=====] - 0s 113ms/step
>13815, dr[0.666,0.743], df[0.653,0.018], g[0.717,0.039]
1/1 [=====] - 0s 116ms/step
>13816, dr[0.731,0.732], df[0.646,0.024], g[0.780,0.014]
1/1 [=====] - 0s 110ms/step
>13817, dr[0.698,0.690], df[0.734,0.060], g[0.748,0.016]
1/1 [=====] - 0s 109ms/step
>13818, dr[0.631,0.937], df[0.717,0.038], g[0.777,0.025]
1/1 [=====] - 0s 113ms/step
>13819, dr[0.756,0.296], df[0.713,0.011], g[0.740,0.027]
1/1 [=====] - 0s 112ms/step
>13820, dr[0.668,0.570], df[0.661,0.022], g[0.772,0.019]
1/1 [=====] - 0s 119ms/step
>13821, dr[0.616,0.651], df[0.798,0.020], g[0.706,0.025]
1/1 [=====] - 0s 116ms/step
>13822, dr[0.726,0.548], df[0.719,0.033], g[0.789,0.024]
1/1 [=====] - 0s 109ms/step
>13823, dr[0.700,0.430], df[0.716,0.011], g[0.819,0.028]
1/1 [=====] - 0s 108ms/step
>13824, dr[0.703,0.518], df[0.683,0.016], g[0.768,0.017]
1/1 [=====] - 0s 120ms/step
>13825, dr[0.704,0.401], df[0.672,0.027], g[0.700,0.030]
1/1 [=====] - 0s 111ms/step
>13826, dr[0.709,0.429], df[0.713,0.038], g[0.734,0.020]
1/1 [=====] - 0s 108ms/step
>13827, dr[0.689,0.257], df[0.768,0.019], g[0.740,0.023]
1/1 [=====] - 0s 114ms/step
>13828, dr[0.659,0.382], df[0.781,0.035], g[0.758,0.015]
1/1 [=====] - 0s 126ms/step
>13829, dr[0.745,0.743], df[0.738,0.023], g[0.745,0.024]
1/1 [=====] - 0s 109ms/step
>13830, dr[0.688,0.703], df[0.695,0.013], g[0.734,0.013]
1/1 [=====] - 0s 105ms/step
>13831, dr[0.655,0.537], df[0.786,0.016], g[0.779,0.019]
1/1 [=====] - 0s 112ms/step
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>13832, dr[0.700,0.367], df[0.793,0.024], g[0.807,0.022]
1/1 [=====] - 0s 121ms/step
>13833, dr[0.683,0.326], df[0.718,0.045], g[0.785,0.031]
1/1 [=====] - 0s 107ms/step
>13834, dr[0.701,0.276], df[0.652,0.014], g[0.789,0.021]
1/1 [=====] - 0s 106ms/step
>13835, dr[0.764,0.785], df[0.673,0.017], g[0.809,0.017]
1/1 [=====] - 0s 116ms/step
>13836, dr[0.767,0.452], df[0.732,0.022], g[0.777,0.019]
1/1 [=====] - 0s 108ms/step
>13837, dr[0.750,0.157], df[0.674,0.020], g[0.740,0.018]
1/1 [=====] - 0s 120ms/step
>13838, dr[0.737,0.378], df[0.692,0.024], g[0.743,0.018]
1/1 [=====] - 0s 112ms/step
>13839, dr[0.679,0.612], df[0.719,0.028], g[0.717,0.022]
1/1 [=====] - 0s 111ms/step
>13840, dr[0.674,0.377], df[0.708,0.027], g[0.735,0.029]
1/1 [=====] - 0s 111ms/step
>13841, dr[0.721,0.280], df[0.822,0.051], g[0.782,0.015]
1/1 [=====] - 0s 114ms/step
>13842, dr[0.685,0.815], df[0.719,0.018], g[0.770,0.057]
1/1 [=====] - 0s 118ms/step
>13843, dr[0.700,0.475], df[0.710,0.012], g[0.731,0.024]
1/1 [=====] - 0s 106ms/step
>13844, dr[0.693,0.420], df[0.674,0.013], g[0.773,0.027]
1/1 [=====] - 0s 126ms/step
>13845, dr[0.702,0.395], df[0.779,0.017], g[0.721,0.027]
1/1 [=====] - 0s 104ms/step
>13846, dr[0.706,0.338], df[0.692,0.016], g[0.785,0.023]
1/1 [=====] - 0s 110ms/step
>13847, dr[0.629,0.286], df[0.733,0.024], g[0.780,0.015]
1/1 [=====] - 0s 114ms/step
>13848, dr[0.761,0.319], df[0.789,0.023], g[0.734,0.027]
1/1 [=====] - 0s 117ms/step
>13849, dr[0.709,0.435], df[0.697,0.016], g[0.792,0.027]
1/1 [=====] - 0s 109ms/step
>13850, dr[0.699,0.276], df[0.661,0.046], g[0.789,0.022]
1/1 [=====] - 0s 113ms/step
>13851, dr[0.670,0.377], df[0.696,0.025], g[0.745,0.034]
1/1 [=====] - 0s 106ms/step
>13852, dr[0.759,0.365], df[0.731,0.022], g[0.788,0.016]
1/1 [=====] - 0s 112ms/step
>13853, dr[0.739,0.606], df[0.714,0.021], g[0.771,0.017]
1/1 [=====] - 0s 108ms/step
>13854, dr[0.687,0.375], df[0.776,0.020], g[0.720,0.023]
1/1 [=====] - 0s 110ms/step
>13855, dr[0.758,0.831], df[0.734,0.020], g[0.768,0.014]
1/1 [=====] - 0s 123ms/step
>13856, dr[0.690,0.494], df[0.739,0.009], g[0.733,0.016]
1/1 [=====] - 0s 112ms/step
>13857, dr[0.725,0.475], df[0.674,0.031], g[0.725,0.023]
1/1 [=====] - 0s 111ms/step
>13858, dr[0.659,0.284], df[0.718,0.030], g[0.748,0.019]
1/1 [=====] - 0s 105ms/step
>13859, dr[0.752,0.344], df[0.674,0.016], g[0.832,0.025]
1/1 [=====] - 0s 109ms/step
>13860, dr[0.677,0.281], df[0.728,0.021], g[0.796,0.028]
1/1 [=====] - 0s 107ms/step
>13861, dr[0.673,0.530], df[0.742,0.015], g[0.790,0.017]
1/1 [=====] - 0s 118ms/step
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>13862, dr[0.700,0.364], df[0.697,0.017], g[0.785,0.023]
1/1 [=====] - 0s 109ms/step
>13863, dr[0.740,0.373], df[0.703,0.014], g[0.772,0.017]
1/1 [=====] - 0s 107ms/step
>13864, dr[0.707,0.500], df[0.726,0.028], g[0.763,0.020]
1/1 [=====] - 0s 110ms/step
>13865, dr[0.752,0.324], df[0.762,0.012], g[0.749,0.018]
1/1 [=====] - 0s 128ms/step
>13866, dr[0.713,0.409], df[0.657,0.017], g[0.821,0.026]
1/1 [=====] - 0s 103ms/step
>13867, dr[0.686,0.596], df[0.775,0.031], g[0.780,0.028]
1/1 [=====] - 0s 114ms/step
>13868, dr[0.722,0.200], df[0.696,0.018], g[0.778,0.016]
1/1 [=====] - 0s 115ms/step
>13869, dr[0.696,0.625], df[0.742,0.018], g[0.795,0.025]
1/1 [=====] - 0s 110ms/step
>13870, dr[0.708,0.454], df[0.811,0.036], g[0.784,0.036]
1/1 [=====] - 0s 108ms/step
>13871, dr[0.690,0.496], df[0.720,0.045], g[0.811,0.043]
1/1 [=====] - 0s 107ms/step
>13872, dr[0.759,0.550], df[0.680,0.021], g[0.786,0.018]
1/1 [=====] - 0s 115ms/step
>13873, dr[0.695,0.498], df[0.682,0.030], g[0.822,0.018]
1/1 [=====] - 0s 108ms/step
>13874, dr[0.661,0.558], df[0.717,0.013], g[0.783,0.021]
1/1 [=====] - 0s 115ms/step
>13875, dr[0.704,0.333], df[0.700,0.040], g[0.806,0.030]
1/1 [=====] - 0s 121ms/step
>13876, dr[0.765,0.473], df[0.717,0.029], g[0.755,0.030]
1/1 [=====] - 0s 131ms/step
>13877, dr[0.613,0.502], df[0.690,0.018], g[0.718,0.020]
1/1 [=====] - 0s 113ms/step
>13878, dr[0.722,0.355], df[0.729,0.044], g[0.747,0.025]
1/1 [=====] - 0s 112ms/step
>13879, dr[0.724,0.607], df[0.794,0.011], g[0.788,0.019]
1/1 [=====] - 0s 113ms/step
>13880, dr[0.734,0.586], df[0.702,0.026], g[0.790,0.017]
1/1 [=====] - 0s 107ms/step
>13881, dr[0.714,0.418], df[0.700,0.026], g[0.734,0.017]
1/1 [=====] - 0s 106ms/step
>13882, dr[0.724,0.615], df[0.717,0.026], g[0.790,0.021]
1/1 [=====] - 0s 113ms/step
>13883, dr[0.668,0.503], df[0.683,0.019], g[0.778,0.013]
1/1 [=====] - 0s 108ms/step
>13884, dr[0.683,0.196], df[0.636,0.020], g[0.755,0.032]
1/1 [=====] - 0s 118ms/step
>13885, dr[0.667,0.402], df[0.740,0.030], g[0.810,0.014]
1/1 [=====] - 0s 118ms/step
>13886, dr[0.731,0.427], df[0.755,0.014], g[0.766,0.030]
1/1 [=====] - 0s 115ms/step
>13887, dr[0.704,0.647], df[0.703,0.014], g[0.721,0.040]
1/1 [=====] - 0s 110ms/step
>13888, dr[0.733,0.655], df[0.733,0.030], g[0.755,0.021]
1/1 [=====] - 0s 109ms/step
>13889, dr[0.649,0.285], df[0.731,0.017], g[0.804,0.012]
1/1 [=====] - 0s 109ms/step
>13890, dr[0.696,0.522], df[0.662,0.020], g[0.807,0.019]
1/1 [=====] - 0s 110ms/step
>13891, dr[0.699,0.464], df[0.718,0.035], g[0.743,0.022]
1/1 [=====] - 0s 116ms/step
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>13892, dr[0.710,0.696], df[0.716,0.036], g[0.766,0.045]
1/1 [=====] - 0s 118ms/step
>13893, dr[0.679,0.465], df[0.724,0.033], g[0.791,0.015]
1/1 [=====] - 0s 122ms/step
>13894, dr[0.694,1.007], df[0.685,0.035], g[0.800,0.022]
1/1 [=====] - 0s 107ms/step
>13895, dr[0.697,0.474], df[0.710,0.013], g[0.717,0.020]
1/1 [=====] - 0s 113ms/step
>13896, dr[0.728,0.644], df[0.770,0.011], g[0.767,0.026]
1/1 [=====] - 0s 109ms/step
>13897, dr[0.608,0.517], df[0.682,0.014], g[0.721,0.023]
1/1 [=====] - 0s 108ms/step
>13898, dr[0.748,0.617], df[0.797,0.036], g[0.718,0.028]
1/1 [=====] - 0s 123ms/step
>13899, dr[0.708,0.514], df[0.769,0.020], g[0.744,0.023]
1/1 [=====] - 0s 137ms/step
>13900, dr[0.748,0.433], df[0.765,0.040], g[0.740,0.022]
1/1 [=====] - 0s 120ms/step
>13901, dr[0.719,0.439], df[0.820,0.043], g[0.764,0.020]
1/1 [=====] - 0s 116ms/step
>13902, dr[0.729,0.361], df[0.630,0.011], g[0.748,0.019]
1/1 [=====] - 0s 107ms/step
>13903, dr[0.725,0.771], df[0.658,0.023], g[0.725,0.031]
1/1 [=====] - 0s 112ms/step
>13904, dr[0.760,0.565], df[0.776,0.022], g[0.743,0.028]
1/1 [=====] - 0s 106ms/step
>13905, dr[0.709,0.464], df[0.716,0.012], g[0.741,0.019]
1/1 [=====] - 0s 117ms/step
>13906, dr[0.723,0.592], df[0.632,0.028], g[0.767,0.018]
1/1 [=====] - 0s 109ms/step
>13907, dr[0.663,0.553], df[0.731,0.066], g[0.744,0.029]
1/1 [=====] - 0s 118ms/step
>13908, dr[0.672,0.450], df[0.756,0.037], g[0.758,0.017]
1/1 [=====] - 0s 111ms/step
>13909, dr[0.641,0.538], df[0.767,0.025], g[0.749,0.033]
1/1 [=====] - 0s 109ms/step
>13910, dr[0.759,0.653], df[0.691,0.023], g[0.717,0.034]
1/1 [=====] - 0s 105ms/step
>13911, dr[0.662,0.568], df[0.792,0.027], g[0.772,0.032]
1/1 [=====] - 0s 107ms/step
>13912, dr[0.739,0.415], df[0.672,0.028], g[0.768,0.040]
1/1 [=====] - 0s 124ms/step
>13913, dr[0.727,0.733], df[0.705,0.030], g[0.777,0.021]
1/1 [=====] - 0s 107ms/step
>13914, dr[0.710,0.960], df[0.812,0.023], g[0.784,0.024]
1/1 [=====] - 0s 114ms/step
>13915, dr[0.677,0.751], df[0.769,0.033], g[0.743,0.029]
1/1 [=====] - 0s 105ms/step
>13916, dr[0.696,0.445], df[0.719,0.021], g[0.720,0.019]
1/1 [=====] - 0s 106ms/step
>13917, dr[0.772,0.370], df[0.693,0.021], g[0.707,0.018]
1/1 [=====] - 0s 106ms/step
>13918, dr[0.694,0.233], df[0.747,0.056], g[0.787,0.032]
1/1 [=====] - 0s 106ms/step
>13919, dr[0.722,0.372], df[0.694,0.016], g[0.765,0.023]
1/1 [=====] - 0s 118ms/step
>13920, dr[0.732,0.382], df[0.746,0.028], g[0.770,0.012]
1/1 [=====] - 0s 118ms/step
>13921, dr[0.704,0.770], df[0.724,0.014], g[0.745,0.036]
1/1 [=====] - 0s 108ms/step
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>13922, dr[0.709,0.446], df[0.745,0.009], g[0.801,0.031]
1/1 [=====] - 0s 102ms/step
>13923, dr[0.729,0.308], df[0.724,0.022], g[0.801,0.020]
1/1 [=====] - 0s 102ms/step
>13924, dr[0.697,0.372], df[0.743,0.017], g[0.794,0.023]
1/1 [=====] - 0s 103ms/step
>13925, dr[0.698,0.507], df[0.732,0.017], g[0.751,0.020]
1/1 [=====] - 0s 106ms/step
>13926, dr[0.675,0.768], df[0.689,0.015], g[0.785,0.028]
1/1 [=====] - 0s 120ms/step
>13927, dr[0.666,0.318], df[0.736,0.014], g[0.720,0.034]
1/1 [=====] - 0s 106ms/step
>13928, dr[0.625,0.605], df[0.698,0.025], g[0.801,0.022]
1/1 [=====] - 0s 103ms/step
>13929, dr[0.774,0.406], df[0.707,0.024], g[0.802,0.020]
1/1 [=====] - 0s 104ms/step
>13930, dr[0.623,0.260], df[0.670,0.028], g[0.746,0.015]
1/1 [=====] - 0s 108ms/step
>13931, dr[0.732,0.431], df[0.655,0.022], g[0.778,0.024]
1/1 [=====] - 0s 108ms/step
>13932, dr[0.731,0.333], df[0.716,0.014], g[0.737,0.020]
1/1 [=====] - 0s 113ms/step
>13933, dr[0.743,0.334], df[0.755,0.011], g[0.788,0.050]
1/1 [=====] - 0s 103ms/step
>13934, dr[0.740,0.545], df[0.736,0.020], g[0.736,0.030]
1/1 [=====] - 0s 104ms/step
>13935, dr[0.747,0.378], df[0.714,0.037], g[0.768,0.025]
1/1 [=====] - 0s 111ms/step
>13936, dr[0.753,0.412], df[0.716,0.018], g[0.696,0.022]
1/1 [=====] - 0s 110ms/step
>13937, dr[0.659,0.411], df[0.715,0.014], g[0.749,0.027]
1/1 [=====] - 0s 113ms/step
>13938, dr[0.706,0.652], df[0.790,0.014], g[0.740,0.041]
1/1 [=====] - 0s 104ms/step
>13939, dr[0.703,0.353], df[0.761,0.017], g[0.754,0.018]
1/1 [=====] - 0s 104ms/step
>13940, dr[0.646,0.539], df[0.773,0.026], g[0.745,0.024]
1/1 [=====] - 0s 103ms/step
>13941, dr[0.707,0.733], df[0.678,0.025], g[0.720,0.028]
1/1 [=====] - 0s 104ms/step
>13942, dr[0.804,0.368], df[0.717,0.020], g[0.823,0.016]
1/1 [=====] - 0s 108ms/step
>13943, dr[0.734,0.514], df[0.767,0.020], g[0.733,0.021]
1/1 [=====] - 0s 104ms/step
>13944, dr[0.724,0.662], df[0.727,0.017], g[0.798,0.033]
1/1 [=====] - 0s 107ms/step
>13945, dr[0.701,0.573], df[0.627,0.056], g[0.781,0.018]
1/1 [=====] - 0s 106ms/step
>13946, dr[0.652,0.387], df[0.678,0.022], g[0.726,0.019]
1/1 [=====] - 0s 103ms/step
>13947, dr[0.688,0.670], df[0.698,0.011], g[0.743,0.024]
1/1 [=====] - 0s 108ms/step
>13948, dr[0.671,0.605], df[0.697,0.024], g[0.752,0.036]
1/1 [=====] - 0s 118ms/step
>13949, dr[0.745,0.729], df[0.648,0.038], g[0.773,0.018]
1/1 [=====] - 0s 106ms/step
>13950, dr[0.682,0.698], df[0.755,0.027], g[0.732,0.022]
1/1 [=====] - 0s 106ms/step
>13951, dr[0.622,0.407], df[0.689,0.014], g[0.804,0.028]
1/1 [=====] - 0s 116ms/step
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>13952, dr[0.636,0.459], df[0.794,0.018], g[0.777,0.026]
1/1 [=====] - 0s 105ms/step
>13953, dr[0.764,0.480], df[0.652,0.009], g[0.763,0.015]
1/1 [=====] - 0s 109ms/step
>13954, dr[0.734,0.429], df[0.788,0.023], g[0.693,0.024]
1/1 [=====] - 0s 120ms/step
>13955, dr[0.666,0.359], df[0.719,0.016], g[0.795,0.026]
1/1 [=====] - 0s 119ms/step
>13956, dr[0.740,0.201], df[0.729,0.014], g[0.780,0.023]
1/1 [=====] - 0s 113ms/step
>13957, dr[0.683,0.282], df[0.691,0.036], g[0.824,0.028]
1/1 [=====] - 0s 110ms/step
>13958, dr[0.685,0.299], df[0.685,0.013], g[0.742,0.029]
1/1 [=====] - 0s 117ms/step
>13959, dr[0.766,0.469], df[0.750,0.030], g[0.775,0.018]
1/1 [=====] - 0s 116ms/step
>13960, dr[0.648,0.614], df[0.744,0.021], g[0.816,0.020]
1/1 [=====] - 0s 109ms/step
>13961, dr[0.703,0.634], df[0.743,0.009], g[0.803,0.018]
1/1 [=====] - 0s 104ms/step
>13962, dr[0.692,0.671], df[0.611,0.018], g[0.745,0.030]
1/1 [=====] - 0s 126ms/step
>13963, dr[0.741,0.363], df[0.687,0.031], g[0.700,0.023]
1/1 [=====] - 0s 106ms/step
>13964, dr[0.665,0.269], df[0.738,0.028], g[0.743,0.019]
1/1 [=====] - 0s 117ms/step
>13965, dr[0.683,0.456], df[0.763,0.055], g[0.812,0.016]
1/1 [=====] - 0s 104ms/step
>13966, dr[0.837,0.307], df[0.771,0.027], g[0.776,0.020]
1/1 [=====] - 0s 104ms/step
>13967, dr[0.671,0.823], df[0.669,0.027], g[0.793,0.027]
1/1 [=====] - 0s 110ms/step
>13968, dr[0.671,0.443], df[0.763,0.017], g[0.759,0.019]
1/1 [=====] - 0s 132ms/step
>13969, dr[0.793,0.333], df[0.708,0.036], g[0.770,0.018]
1/1 [=====] - 0s 108ms/step
>13970, dr[0.714,0.535], df[0.704,0.020], g[0.806,0.015]
1/1 [=====] - 0s 99ms/step
>13971, dr[0.690,0.470], df[0.723,0.008], g[0.765,0.034]
1/1 [=====] - 0s 100ms/step
>13972, dr[0.711,0.704], df[0.689,0.033], g[0.788,0.036]
1/1 [=====] - 0s 104ms/step
>13973, dr[0.654,0.328], df[0.790,0.015], g[0.773,0.020]
1/1 [=====] - 0s 104ms/step
>13974, dr[0.713,0.336], df[0.750,0.019], g[0.741,0.036]
1/1 [=====] - 0s 117ms/step
>13975, dr[0.697,0.606], df[0.686,0.021], g[0.759,0.022]
1/1 [=====] - 0s 103ms/step
>13976, dr[0.696,0.456], df[0.675,0.031], g[0.759,0.036]
1/1 [=====] - 0s 117ms/step
>13977, dr[0.749,0.403], df[0.705,0.024], g[0.740,0.017]
1/1 [=====] - 0s 103ms/step
>13978, dr[0.694,0.502], df[0.755,0.018], g[0.794,0.016]
1/1 [=====] - 0s 106ms/step
>13979, dr[0.709,0.318], df[0.763,0.035], g[0.793,0.030]
1/1 [=====] - 0s 119ms/step
>13980, dr[0.760,0.600], df[0.762,0.010], g[0.762,0.023]
1/1 [=====] - 0s 128ms/step
>13981, dr[0.647,0.475], df[0.695,0.042], g[0.757,0.023]
1/1 [=====] - 0s 122ms/step
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>13982, dr[0.801,0.416], df[0.688,0.011], g[0.734,0.017]
1/1 [=====] - 0s 110ms/step
>13983, dr[0.725,0.539], df[0.695,0.031], g[0.816,0.022]
1/1 [=====] - 0s 107ms/step
>13984, dr[0.689,0.751], df[0.743,0.017], g[0.706,0.032]
1/1 [=====] - 0s 111ms/step
>13985, dr[0.792,0.588], df[0.707,0.016], g[0.747,0.013]
1/1 [=====] - 0s 101ms/step
>13986, dr[0.745,0.154], df[0.714,0.019], g[0.711,0.031]
1/1 [=====] - 0s 117ms/step
>13987, dr[0.696,0.396], df[0.816,0.040], g[0.716,0.012]
1/1 [=====] - 0s 106ms/step
>13988, dr[0.755,0.901], df[0.742,0.022], g[0.744,0.026]
1/1 [=====] - 0s 115ms/step
>13989, dr[0.676,0.543], df[0.756,0.024], g[0.788,0.019]
1/1 [=====] - 0s 105ms/step
>13990, dr[0.696,0.213], df[0.772,0.021], g[0.752,0.013]
1/1 [=====] - 0s 104ms/step
>13991, dr[0.684,0.291], df[0.672,0.022], g[0.741,0.018]
1/1 [=====] - 0s 105ms/step
>13992, dr[0.739,0.566], df[0.746,0.027], g[0.741,0.021]
1/1 [=====] - 0s 121ms/step
>13993, dr[0.667,0.335], df[0.753,0.019], g[0.791,0.039]
1/1 [=====] - 0s 121ms/step
>13994, dr[0.651,0.571], df[0.647,0.014], g[0.747,0.030]
1/1 [=====] - 0s 103ms/step
>13995, dr[0.692,0.738], df[0.693,0.016], g[0.784,0.022]
1/1 [=====] - 0s 101ms/step
>13996, dr[0.625,0.343], df[0.717,0.028], g[0.843,0.019]
1/1 [=====] - 0s 110ms/step
>13997, dr[0.811,0.787], df[0.675,0.052], g[0.781,0.020]
1/1 [=====] - 0s 113ms/step
>13998, dr[0.650,0.211], df[0.659,0.019], g[0.748,0.013]
1/1 [=====] - 0s 103ms/step
>13999, dr[0.620,0.376], df[0.754,0.023], g[0.798,0.022]
1/1 [=====] - 0s 117ms/step
>14000, dr[0.776,0.186], df[0.696,0.041], g[0.773,0.016]
1/1 [=====] - 0s 110ms/step
>14001, dr[0.768,0.526], df[0.738,0.029], g[0.720,0.058]
1/1 [=====] - 0s 103ms/step
>14002, dr[0.741,0.396], df[0.705,0.017], g[0.783,0.020]
1/1 [=====] - 0s 117ms/step
>14003, dr[0.694,0.535], df[0.705,0.019], g[0.772,0.012]
1/1 [=====] - 0s 103ms/step
>14004, dr[0.742,0.459], df[0.740,0.016], g[0.754,0.037]
1/1 [=====] - 0s 111ms/step
>14005, dr[0.686,0.509], df[0.758,0.032], g[0.773,0.019]
1/1 [=====] - 0s 115ms/step
>14006, dr[0.736,0.320], df[0.783,0.027], g[0.726,0.019]
1/1 [=====] - 0s 114ms/step
>14007, dr[0.676,0.293], df[0.786,0.016], g[0.741,0.027]
1/1 [=====] - 0s 105ms/step
>14008, dr[0.734,0.299], df[0.729,0.020], g[0.773,0.047]
1/1 [=====] - 0s 107ms/step
>14009, dr[0.733,0.483], df[0.697,0.012], g[0.747,0.033]
1/1 [=====] - 0s 103ms/step
>14010, dr[0.662,0.516], df[0.760,0.020], g[0.756,0.015]
1/1 [=====] - 0s 111ms/step
>14011, dr[0.769,0.299], df[0.727,0.017], g[0.722,0.021]
1/1 [=====] - 0s 125ms/step
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>14012, dr[0.675,0.538], df[0.679,0.006], g[0.735,0.024]
1/1 [=====] - 0s 107ms/step
>14013, dr[0.697,0.298], df[0.692,0.044], g[0.780,0.018]
1/1 [=====] - 0s 103ms/step
>14014, dr[0.727,0.360], df[0.688,0.020], g[0.727,0.017]
1/1 [=====] - 0s 103ms/step
>14015, dr[0.681,0.245], df[0.718,0.016], g[0.791,0.023]
1/1 [=====] - 0s 110ms/step
>14016, dr[0.680,0.408], df[0.723,0.016], g[0.725,0.036]
1/1 [=====] - 0s 117ms/step
>14017, dr[0.708,0.562], df[0.702,0.033], g[0.780,0.022]
1/1 [=====] - 0s 116ms/step
>14018, dr[0.726,0.515], df[0.766,0.021], g[0.734,0.042]
1/1 [=====] - 0s 111ms/step
>14019, dr[0.750,0.606], df[0.787,0.015], g[0.704,0.025]
1/1 [=====] - 0s 104ms/step
>14020, dr[0.678,0.537], df[0.771,0.024], g[0.802,0.023]
1/1 [=====] - 0s 111ms/step
>14021, dr[0.690,0.446], df[0.688,0.013], g[0.792,0.010]
1/1 [=====] - 0s 104ms/step
>14022, dr[0.761,0.870], df[0.685,0.022], g[0.774,0.104]
1/1 [=====] - 0s 106ms/step
>14023, dr[0.637,0.556], df[0.738,0.010], g[0.811,0.012]
1/1 [=====] - 0s 111ms/step
>14024, dr[0.692,0.938], df[0.697,0.004], g[0.743,0.020]
1/1 [=====] - 0s 117ms/step
>14025, dr[0.687,0.579], df[0.766,0.017], g[0.737,0.020]
1/1 [=====] - 0s 121ms/step
>14026, dr[0.743,0.596], df[0.655,0.007], g[0.729,0.022]
1/1 [=====] - 0s 101ms/step
>14027, dr[0.659,0.578], df[0.743,0.051], g[0.731,0.022]
1/1 [=====] - 0s 104ms/step
>14028, dr[0.748,0.672], df[0.755,0.026], g[0.744,0.023]
1/1 [=====] - 0s 105ms/step
>14029, dr[0.702,0.351], df[0.773,0.017], g[0.730,0.027]
1/1 [=====] - 0s 122ms/step
>14030, dr[0.689,0.435], df[0.697,0.011], g[0.765,0.029]
1/1 [=====] - 0s 107ms/step
>14031, dr[0.656,0.307], df[0.638,0.029], g[0.780,0.025]
1/1 [=====] - 0s 109ms/step
>14032, dr[0.693,0.571], df[0.693,0.025], g[0.765,0.024]
1/1 [=====] - 0s 110ms/step
>14033, dr[0.717,0.485], df[0.724,0.017], g[0.760,0.018]
1/1 [=====] - 0s 102ms/step
>14034, dr[0.713,0.464], df[0.716,0.027], g[0.769,0.065]
1/1 [=====] - 0s 110ms/step
>14035, dr[0.685,0.673], df[0.729,0.019], g[0.762,0.032]
1/1 [=====] - 0s 113ms/step
>14036, dr[0.755,0.370], df[0.731,0.031], g[0.758,0.040]
1/1 [=====] - 0s 106ms/step
>14037, dr[0.717,0.569], df[0.685,0.029], g[0.777,0.067]
1/1 [=====] - 0s 101ms/step
>14038, dr[0.685,0.570], df[0.718,0.009], g[0.758,0.030]
1/1 [=====] - 0s 109ms/step
>14039, dr[0.727,0.355], df[0.748,0.030], g[0.779,0.026]
1/1 [=====] - 0s 107ms/step
>14040, dr[0.694,0.610], df[0.715,0.017], g[0.800,0.020]
1/1 [=====] - 0s 115ms/step
>14041, dr[0.692,0.441], df[0.677,0.017], g[0.800,0.015]
1/1 [=====] - 0s 104ms/step
```

```
>14042, dr[0.703,0.550], df[0.761,0.024], g[0.750,0.022]
1/1 [=====] - 0s 119ms/step
>14043, dr[0.664,0.601], df[0.684,0.021], g[0.770,0.017]
1/1 [=====] - 0s 101ms/step
>14044, dr[0.725,0.274], df[0.687,0.033], g[0.822,0.016]
1/1 [=====] - 0s 104ms/step
>14045, dr[0.713,1.028], df[0.771,0.035], g[0.805,0.022]
1/1 [=====] - 0s 113ms/step
>14046, dr[0.722,0.308], df[0.681,0.017], g[0.729,0.016]
1/1 [=====] - 0s 105ms/step
>14047, dr[0.759,0.684], df[0.738,0.023], g[0.731,0.024]
1/1 [=====] - 0s 119ms/step
>14048, dr[0.673,0.244], df[0.681,0.067], g[0.754,0.016]
1/1 [=====] - 0s 103ms/step
>14049, dr[0.745,0.900], df[0.722,0.010], g[0.723,0.022]
1/1 [=====] - 0s 106ms/step
>14050, dr[0.690,0.317], df[0.712,0.020], g[0.755,0.021]
1/1 [=====] - 0s 103ms/step
>14051, dr[0.678,0.360], df[0.644,0.021], g[0.750,0.033]
1/1 [=====] - 0s 128ms/step
>14052, dr[0.656,0.710], df[0.701,0.019], g[0.779,0.024]
1/1 [=====] - 0s 115ms/step
>14053, dr[0.669,0.549], df[0.720,0.017], g[0.711,0.027]
1/1 [=====] - 0s 109ms/step
>14054, dr[0.692,0.497], df[0.661,0.020], g[0.725,0.022]
1/1 [=====] - 0s 104ms/step
>14055, dr[0.678,0.396], df[0.747,0.008], g[0.734,0.019]
4/4 [=====] - 0s 65ms/step
WARNING:tensorflow:Compiled the loaded model, but the compiled metrics have yet to be
built. `model.compile_metrics` will be empty until you train or evaluate the model.
>Saved: generated_plot_14055.png and model_14055.h5
The runtime to fit this model was: 2:46:59.917900.
```

Let's show a summary of the discriminator structure.

```
In [2]: discriminator.summary()
```

Model: "model"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
<hr/>			
input_1 (InputLayer)	[(None, 28, 28, 1)]	0	[]
conv2d (Conv2D)	(None, 14, 14, 32)	320	['input_1[0][0]']
leaky_re_lu (LeakyReLU)	(None, 14, 14, 32)	0	['conv2d[0][0]']
dropout (Dropout) [0]'	(None, 14, 14, 32)	0	['leaky_re_lu[0]
conv2d_1 (Conv2D)	(None, 14, 14, 64)	18496	['dropout[0][0]']
batch_normalization (BatchNorm alization)	(None, 14, 14, 64)	256	['conv2d_1[0][0]']
leaky_re_lu_1 (LeakyReLU) n[0][0]'	(None, 14, 14, 64)	0	['batch_norma
dropout_1 (Dropout) [0]'	(None, 14, 14, 64)	0	['leaky_re_lu_1[0]
conv2d_2 (Conv2D)	(None, 7, 7, 128)	73856	['dropout_1[0][0]']
batch_normalization_1 (BatchNo rmalization)	(None, 7, 7, 128)	512	['conv2d_2[0][0]']
leaky_re_lu_2 (LeakyReLU) n_1[0][0]'	(None, 7, 7, 128)	0	['batch_norma
dropout_2 (Dropout) [0]'	(None, 7, 7, 128)	0	['leaky_re_lu_2[0]
conv2d_3 (Conv2D)	(None, 7, 7, 256)	295168	['dropout_2[0][0]']
batch_normalization_2 (BatchNo rmalization)	(None, 7, 7, 256)	1024	['conv2d_3[0][0]']
leaky_re_lu_3 (LeakyReLU) n_2[0][0]'	(None, 7, 7, 256)	0	['batch_norma
dropout_3 (Dropout) [0]'	(None, 7, 7, 256)	0	['leaky_re_lu_3[0]
flatten (Flatten)	(None, 12544)	0	['dropout_3[0][0]']
dense (Dense)	(None, 1)	12545	['flatten[0][0]']
dense_1 (Dense)	(None, 10)	125450	['flatten[0][0]']
<hr/>			
<hr/>			
Total params: 527,627			
Trainable params: 896			
Non-trainable params: 526,731			

Let's show a summary of the generator structure.

In [3]: `generator.summary()`

Model: "model_1"

Layer (type)	Output Shape	Param #	Connected to
<hr/>			
input_3 (InputLayer)	[None, 100]	0	[]
input_2 (InputLayer)	[None, 1]	0	[]
dense_3 (Dense)	(None, 18816)	1900416	['input_3[0][0]']
embedding (Embedding)	(None, 1, 50)	500	['input_2[0][0]']
activation (Activation)	(None, 18816)	0	['dense_3[0][0]']
dense_2 (Dense)	(None, 1, 49)	2499	['embedding[0][0]']
reshape_1 (Reshape)	(None, 7, 7, 384)	0	['activation[0][0]']
reshape (Reshape)	(None, 7, 7, 1)	0	['dense_2[0][0]']
concatenate (Concatenate)	(None, 7, 7, 385)	0	['reshape_1[0][0]', 'reshape[0][0]']
conv2d_transpose (Conv2DTranspose)	(None, 14, 14, 192)	1848192	['concatenate[0][0]']
batch_normalization_3 (BatchNormalization)	(None, 14, 14, 192)	768	['conv2d_transpose[0][0]']
activation_1 (Activation)	(None, 14, 14, 192)	0	['batch_normalization_3[0][0]']
conv2d_transpose_1 (Conv2DTranspose)	(None, 28, 28, 1)	4801	['activation_1[0][0]']
activation_2 (Activation)	(None, 28, 28, 1)	0	['conv2d_transpose_1[0][0]']
<hr/>			
<hr/>			
Total params: 3,757,176			
Trainable params: 3,756,792			
Non-trainable params: 384			

11.2) Evaluate Model Performance

Let's generate fake clothing images that we can use to calculate the inception scores.

In [1]:

```
# example of Loading the generator model and generating images
from math import sqrt
from numpy import asarray
from numpy.random import randn
from keras.models import load_model
from matplotlib import pyplot
import numpy as np


model = load_model('model_14055.h5')
latent_dim = 100
n_examples = 300


# generate points in latent space as input for the generator
def generate_latent_points(latent_dim, n_samples, n_class):
    # generate points in the latent space
    x_input = randn(latent_dim * n_samples)
    # reshape into a batch of inputs for the network
    z_input = x_input.reshape(n_samples, latent_dim)
    # generate labels
    labels = asarray([n_class for _ in range(n_samples)])
    return [z_input, labels]

# create and save a plot of generated images
def save_plot(examples, n_examples):
    # plot images
    for i in range(n_examples):
        # define subplot
        pyplot.subplot(sqrt(n_examples), sqrt(n_examples), 1 + i)
        # turn off axis
        pyplot.axis('off')
        # plot raw pixel data
        pyplot.imshow(examples[i, :, :, 0], cmap='gray_r')
    pyplot.show()


# Generate T-Shirt or Top Images
n_class = 0
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
t_shirt_or_top = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
t_shirt_or_top = (t_shirt_or_top + 1) / 2.0


# Generate Trouser Images
n_class = 1
# generate images
```

```
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
trouser = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
trouser = (trouser + 1) / 2.0

# Generate Pullover Images
n_class = 2
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
pullover = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
pullover = (pullover + 1) / 2.0

# Generate Dress Images
n_class = 3
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
dress = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
dress = (dress + 1) / 2.0

# Generate Coat Images
n_class = 4
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
coat = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
coat = (coat + 1) / 2.0

# Generate Sandal Images
n_class = 5
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sandal = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sandal = (sandal + 1) / 2.0

# Generate Shirt Images
n_class = 6
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
shirt = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
shirt = (shirt + 1) / 2.0

# Generate Sneaker Images
```

```
n_class = 7
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
sneaker = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
sneaker = (sneaker + 1) / 2.0

# Generate Bag Images
n_class = 8
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
bag = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
bag = (bag + 1) / 2.0

# Generate Ankle Boot Images
n_class = 9
# generate images
latent_points, labels = generate_latent_points(latent_dim, n_examples, n_class)
# generate images
ankle_boot = model.predict([latent_points, labels])
# scale from [-1,1] to [0,1]
ankle_boot = (ankle_boot + 1) / 2.0

Z = np.concatenate((t_shirt_or_top,
                    trouser,
                    pullover,
                    dress,
                    coat,
                    sandal,
                    shirt,
                    sneaker,
                    bag,
                    ankle_boot), axis=0)
print(Z.shape)
```

C:\Users\steve\anaconda3\lib\site-packages\keras\initializers\initializers.py:120: UserWarning: The initializer RandomNormal is unseeded and being called multiple times, which will return identical values each time (even if the initializer is unseeded). Please update your code to provide a seed to the initializer, or avoid using the same initializer instance more than once.
warnings.warn(

```
WARNING:tensorflow:No training configuration found in the save file, so the model was
*not* compiled. Compile it manually.
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 61ms/step
10/10 [=====] - 1s 57ms/step
10/10 [=====] - 1s 55ms/step
10/10 [=====] - 1s 69ms/step
10/10 [=====] - 1s 59ms/step
10/10 [=====] - 1s 58ms/step
10/10 [=====] - 1s 57ms/step
10/10 [=====] - 1s 54ms/step
10/10 [=====] - 1s 56ms/step
(3000, 28, 28, 1)
```

Let's calculate the inception scores.

```
In [2]: # calculate inception score in Keras
from math import floor
from numpy import expand_dims
from numpy import log
from numpy import mean
from numpy import std
from numpy import exp
from numpy.random import shuffle
from keras.applications.inception_v3 import InceptionV3
from keras.applications.inception_v3 import preprocess_input
from keras.datasets import cifar10
from skimage.transform import resize
from numpy import asarray

# scale an array of images to a new size
def scale_images(images, new_shape):
    images_list = list()
    for image in images:
        # resize with nearest neighbor interpolation
        new_image = resize(image, new_shape, 0)
        # store
        images_list.append(new_image)
    return asarray(images_list)

model_for_weights = model

# assumes images have any shape and pixels in [0,255]
def calculate_inception_score(images, n_split=10, eps=1E-16):
    # Load inception v3 model
    model = InceptionV3(classes=10, include_top = False)
    # enumerate splits of images/predictions
    scores = list()
    n_part = floor(images.shape[0] / n_split)
    for i in range(n_split):
        # retrieve images
        ix_start, ix_end = i * n_part, (i+1) * n_part
        subset = images[ix_start:ix_end]
        # convert from uint8 to float32
        subset = subset.astype('float32')
        # scale images to the required size
        subset = scale_images(subset, (299,299,3))
        # pre-process images, scale to [-1,1]
```

```

subset = preprocess_input(subset)
# predict p(y/x)
p_yx = model.predict(subset)
# calculate p(y)
p_y = expand_dims(p_yx.mean(axis=0), 0)
# calculate KL divergence using log probabilities
kl_d = p_yx * (log(p_yx + eps) - log(p_y + eps))
# sum over classes
sum_kl_d = kl_d.sum(axis=1)
# average over images
avg_kl_d = mean(sum_kl_d)
# undo the log
is_score = exp(avg_kl_d)
# store
scores.append(is_score)
# average across images
is_avg, is_std = mean(scores), std(scores)
return is_avg, is_std

# Load cifar10 images
#(images, _), (_, _) = cifar10.load_data()
# shuffle images
shuffle(Z)
#print('Loaded', images.shape)
# calculate inception score
#is_avg, is_std = calculate_inception_score(images)
is_avg, is_std = calculate_inception_score(Z)
print('score', is_avg, is_std)

10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 19s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 18s 2s/step
10/10 [=====] - 17s 2s/step
10/10 [=====] - 16s 2s/step
10/10 [=====] - 17s 2s/step
score 1.2244188 0.0046669813

```